Task 210 - Subsurface Site Investigation
DOT Project 171-305
DOT Assignment 403-3526

New Britain - Hartford Busway
Station 450+00 through 490+55 (Hartford North)

Hartford, Connecticut

Submitted to:
Connecticut Department of Transportation
Division of Environmental Compliance
2800 Berlin Turnpike
Newington, Connecticut

March 20, 2009

TETRA TECH RIZZO

March 20, 2009

Mr. Gregory M. Dorosh, P.E.
Principle Engineer
Environmental Compliance Section
Bureau of Engineering & Highway Operations
State of Connecticut Department of Transportation
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Attention: Ms. Judith Nemecek / Ms. Amie Maines

Re: Task 210 - Subsurface Site Investigation
DOT Project 171-305
DOT Assignment 403-3526
TtR 127-17797-09002
New Britain - Hartford Busway
Station 450+00 through 490+55 (Hartford North)
Hartford, Connecticut

Dear Mr. Dorosh:

Tetra Tech Rizzo (Tetra Tech) is pleased to submit this report summarizing the conduct and findings of the Task 210 – Subsurface Site Investigation conducted at the proposed location of the Bus Route along the Amtrak rail line in Hartford, Connecticut (hereinafter referred to as the "Project"). This report was prepared to evaluate the Project for evidence of a release of oil and/or hazardous materials. To this end, the Regulations of the Connecticut State Agencies Sections 22a-133k-1 through 3, the Remediation Standard Regulations (RSRs) were utilized to characterize soil and groundwater quality at the Project area. This investigation included the advancement of 21 soil borings and the collection and analysis of 21 soil samples. Groundwater was not encountered within eight feet of the ground's surface. No groundwater samples were collected.

The results and recommendations are presented in the attached report. Please contact us if you have any questions concerning this report.

Very truly yours,

Patrick S. de Paula
Environmental Engineer

David T. Williams, CPG, LEP
Project Manager

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1.0 Introduction

On behalf of the Connecticut Department of Transportation (CT DOT), Tetra Tech Rizzo (Tetra Tech) has developed this Task 210 - Subsurface Site Investigation for a portion of the New Britain-Hartford Busway along the active Amtrak line in Hartford, Connecticut (CT DOT Project No. 171-305) identified from Station 450+00 to 490+55 and commonly known as the Hartford North Section.

The overall Busway project has been broken into four separate contracts. This subsurface site investigation report pertains to the Hartford North contract, from station 450+00 to 490+55. The general location of this section is shown in **Figure 1**.

The objective of this investigation was to verify the presence or absence of subsurface contamination within the construction limits in locations along the rail line and to establish areas of environmental concern (AOEC). Soil analytical data collected during the investigation are 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). The project area is not considered an Establishment as defined under Connecticut General Statutes 22a-134 to 134(d), as amended (Connecticut Transfer Act) and therefore, the RSRs are used indirectly to assess the environmental quality of soil and groundwater and not used to assess regulatory compliance.

1.1 Project Description

The Busway will be a Bus Rapid Transit (BRT) facility along a 9.4-mile corridor between downtown New Britain and downtown Hartford. The Busway project will include associated improvements to the transit and transportation system that are necessary to make the busway possible. The recommended corridor for the busway follows an abandoned railroad right-of-way from New Britain to approximately 2,000 feet south of Newington Junction (a distance of approximately 4.4 miles). From this point north, the busway corridor lies within the active Amtrak railroad right-of-way and is, for the most part, parallel to the active Amtrak rail line (a distance of approximately 5.0 miles).

Plans depicting the proposed construction and soil boring locations are presented as **Drawings ENV-B1 through ENV-B4**.

Groundwater at the Project is classified by the Connecticut Department of Environmental Protection (DEP) as GB. GB groundwater is groundwater within a historically highly urbanized area or an area of intense industrial activities where public water supply service is available. Such groundwater may not be suitable for human consumption without treatment due to waste discharges, spills or leaks of chemicals or land use impacts. Analytical data summarized in this report is compared to the RSR criteria applicable for areas with GB classified groundwater.

The DEP's Geographical Information Systems database (DEP, 2005) indicates that soil in the vicinity of the Project area is classified as fines. The DEP's database also indicates that the bedrock underlying the Project area is mapped as the Portland Arkose, a reddish-brown sandstone (brownstone).

Park River, classified C/B, runs underground along the southeast side of the project, the river comes within 200 feet of the Project near Flower Street.

1.2 Previous Investigations

A number of investigations have been completed for the busway project, including a corridor study, Task 120-Preliminary Site Investigations, and Task 210 – Subsurface Site Investigations for individual moderate-high risk properties located along the bus route and at proposed bus-rail stations. Previous investigations include;

- Maguire Group, Inc. *Corridor Study Amtrak Adjacent Property Summary New Britain-Hartford Busway Connecticut.* January 2006.
- Baker Engineering NY, Inc. *Task 120 – Preliminary Site Evaluation Elmwood Station 646-650 & 642 New Park Avenue West Hartford, Connecticut.* May 2003.
- Maguire Group, Inc. *Task 120: Preliminary Site Evaluation 632 & 642 New Park Avenue West Hartford, Connecticut.* May 31, 2007.
- Maguire Group, Inc. *Task 210: Subsurface Site Investigation Elmwood Station 646-650 New Park Avenue West Hartford, Connecticut.* January 23, 2007.
- Tetra Tech Rizzo *Task 210 Subsurface Site Investigation 634 New Park Avenue West Hartford, Connecticut.* July 11, 2007.
- Tetra Tech Rizzo *Task 210 Subsurface Site Investigation 642 New Park Avenue West Hartford, Connecticut.* February 11, 2008.
- Baker Engineering NY, Inc. *Task 120 – Preliminary Site Evaluation 148, 150, & 160 Willard Avenue Newington Junction Station Newington, Connecticut.* March 2003.
- Maguire Group, Inc. *Task 210: Subsurface Site Investigation 144-148, 150, & 160 Willard Avenue Newington Junction Station Newington, Connecticut.* January 11, 2007.

The Project is located along the train tracks in Hartford, Connecticut. Potential on-site contaminant sources including creosote soaked railroad ties and other anthropogenic soil and fill material associated with current and past land use practices.

Potential off-site contaminant sources include documented petroleum releases and other land use activities which occurred on those properties previously investigated.

1.3 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 Project.

2.0 Applicable RSR Criteria Overview

2.1 Soil

Based on the Connecticut Remediation Standard Regulations, soil at a potential release area is in compliance if soil meets (A) the default Direct Exposure Criteria (DEC) or an alternative DEC and (B) the default PMC or an alternative 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 (Res-DEC). For application of the DEC, all projects must meet the Res DEC, unless an Environmental Land Use Restriction (ELUR) prohibiting residential use of the parcel is recorded on the land records

2.1.2 Pollutant Mobility Criteria

The PMC were established to identify the potential risk to groundwater represented by contaminants leaching from soil located above the water table. The PMC differ depending upon the groundwater classification of the area (GA versus GB). The groundwater classification for the subject project is GB. Therefore, the Project must comply with the GB PMC.

2.2 Groundwater

Groundwater was not encountered within eight feet of the land surface in this section of the Project.

Groundwater beneath the Site is classified by the DEP as GB. According to the DEP, GB classified groundwater may not be suitable for direct human consumption without treatment due to waste discharges, spills or leaks of chemicals, or other land use impacts. This Task 210

Subsurface Investigation was prepared in accordance with the RSR criteria applicable to areas with GB classified groundwater.

2.2.1 Surface Water Protection Criteria (SWPC)

The SWPC was established to protect the quality of surface waters for which groundwater discharges to. Park River runs underground along the southeast side of the Project. The Park River is a class C/B water body.

3.0 Scope of Investigation

Project activities were conducted on January 20-23, 2009, and included the advancement of twenty-one (21) soil borings, and analysis of twenty-one (21) soil samples, one sample from each of boring. Six samples (RSB-D3, RSB-D16, RSB-D17, RSB-D19, RSB-D20, and RSB-D21) were reanalyzed by the laboratory to better quantify estimated values.

3.1 Drilling

A total of 21 soil borings were advanced across the Project area to characterize soil and groundwater and assess potential environmental impacts along the corridor in areas where drainage features or other utilities were planned, and in the vicinity of potential off-site sources of contamination. New England Boring Contractors of Glastonbury, Connecticut was retained to provide the services of a Geoprobe® which advanced a 4-foot long by 2-inch diameter Macro-Core® sampling devise fitted with disposable, polyethylene sample tubes to the applicable depths. Work was performed January 20-23, 2009 and was supervised by a Tetra Tech environmental engineer. Boring locations are shown on Drawings ENV-B1 through ENV-B4. Soil borings were advanced to a maximum depth of 8 feet below grade (fbg), borings RSB-D3, RSB-D7, RSB-D8, RSB-D9, and RSB-D10 could only be advanced to the maximum depth of 4 fbg due to the presence of bridge footings. 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 surface to a depth of 8 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 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:

Soil samples were collected from each soil boring at depths ranging from 1-8 feet below grade (fbg). Soil samples were analyzed for VOCs by Environmental Protection Agency (EPA) method 5035/8260, Extractable Total Petroleum Hydrocarbons (ETPH) by the Connecticut method, Semi-Volatile Organic Compound (SVOCs) by EPA method 8270, herbicides by EPA method 8151, Polychlorinated Biphenyls (PCBs) by EPA method 8082 and mass analysis of the eight Resource Conservation and Recovery Act (RCRA) metals. Additionally, select soil samples were submitted for analysis of leachable analysis of the eight RCRA metals using the Synthetic Precipitation Leaching Procedure (SPLP) method and Toxic Characteristic Leaching Procedure (TCLP). Three samples were analyzed for leachable PCBs using the SPLP method

Groundwater Analyses:

Groundwater was not encountered in the Project area. No groundwater samples were collected.

4.0 Results of Soil Sampling Analyses

A total of 21 soil samples were collected during this investigation. Laboratory analytical reports and chain-of-custody records are included in **Appendix C**. **Table 1** presents the laboratory results for the soil samples.

Volatile Organic Compounds (VOCs)

A total of 21 soil samples were submitted for VOC analysis. With the exception of six samples (RSB-D3, RSB-D16, RSB-D17, RSB-D19, RSB-D20, and RSB-D21) which contained Freon 12 no VOCs were reported above the laboratory detection limits. A malfunctioning sample storage refrigerator resulted in the detection of Freon 12 See **Appendix C** for laboratory data qualifying the presence of Freon.

Semi-volatile Organic Compound (SVOCs)

A total of 21 soil samples were submitted for SVOC analysis. Two samples collected from RSB-D3 and RSB-D13 contained a number of SVOCs above the applicable RSR criteria. Seven samples collected from RSB-D1, RSB-D8, RSB-D10, RSB-D11, RSB-D12, RSB-D17, and RSB-D18 contained SVOCs above the laboratory detection limits but below the applicable RSR criteria. SVOCs were detected above the applicable RSR criteria in RSB-D3 and RSB-D13 only. Those SVOCs detected above the RSR criteria are listed below. See **Table 1** for additional information.

- RSB-D3 (1-4): Fluoranthene, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Chrysene, Dibenzo(a,h)anthracene, and Indeno(1,2,3-cd)pyrene.

- RSB-D13 (1-4): Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Chrysene, and Indeno(1,2,3-cd)

Polychlorinated Biphenyls (PCBs)

A total of 21 soil samples were submitted for PCB analysis. With the exception of three samples, no PCBs were detected above the laboratory detection limits. Three samples collected from RSB-D3, RSB-D10, and RSB-D11 contained concentrations of PCBs ranging from a low of 0.0747 mg/kg to a high of 0.987 mg/kg. No PCBs exceeded 1 mg/kg.

Herbicides

A total of 21 soil samples were submitted for herbicide analysis. No herbicides were reported above the laboratory detection limits

Extractable Total Petroleum Hydrocarbons (ETPH)

A total of 21 soil samples were submitted for ETPH analysis. With the exception of nine samples which detected ETPH below the RSR criteria (ranging from 39.5 mg/kg - 239 mg/kg) and two samples which detected ETPH above the RSR criteria (ranging from 676 mg/kg - 1,100 mg/kg), ETPH was not detected above the laboratory detection limits. For additional information, see **Table 1**.

Total RCRA 8 Metals

A total of 21 soil samples were submitted for mass analysis of the eight RCRA metals. Arsenic was detected above the RSR criteria, in the six soil samples from RSB-D8, RSB-D11, RSB-12, RSB-D13, RSB-D14, and RSB-D17, with concentrations ranging from 11.2 mg/kg - 128 mg/kg. No other total metals were detected at concentrations that exceed the applicable RSR criteria. Nine samples contained lead and/or arsenic above what could be considered background concentrations in samples RSB-D2, RSB-D3, RSB-D4, RSB-D5, RSB-D9, RSB-D10, RSB-D12, RSB-D13 and RSB-17. Total metal concentrations detected in the remaining samples are considered consistent with background levels for the region.

Leachable (SPLP) RCRA 8 Metals

Seven soil samples were submitted for analysis of the leachability of one or more RCRA metals using the SPLP method. RSB-D11 contained a lead concentration above the RSR criteria. The remaining six samples did not contain exceedances of the RSR criteria.

Leachable (TCLP) RCRA 8 Metals

Five soil samples were submitted for analysis of the leachability of RCRA metals using the TCLP method. With the exception of RSB-D3 (0.350 mg/l) and RSB-D11 (0.202 mg/l), lead was not detected above the applicable RSR criteria.

5.0 Results of Groundwater Sampling Analyses

Groundwater was not encountered within 8 feet of the ground surface in this section of the Project.

6.0 Quality Assurance/Quality Control

Laboratory analytical reports and chain-of-custody records are included in **Appendix C**.

A malfunctioning sample storage refrigerator resulted in the detection of Freon 12 in six separate samples. See QA/QC data in Appendix C.

7.0 Conclusions

This Task 210 – Subsurface Site Investigation was conducted on January 20-23, 2009. The project activities were conducted in accordance with industry standards including the DEP's RSRs.

Soil

SVOCs were detected above the applicable RSR criteria in RSB-D3 (1-2') and RSB-D13 (1-4'). Samples collected from RSB-D3 (1-2') and RSB-D10 (1-4') contained ETPH above the applicable RSR criteria. Arsenic was detected above the applicable RSR criteria in RSB-D8 (1-4'), RSB-D11 (1-4'), RSB-12 (1-4'), RSB-D13 (1-4'), RSB-D14 (1-4'), and RSB-D17 (1-4'). SPLP lead was detected above the applicable RSR criteria in the soil sample collected from RSB-D11 (1-4'). TCLP lead was detected above applicable RSR criteria in the soil collected from RSB-D3 (1-2') and RSB-D11 (1-4').

Low-level concentrations of VOCs, ETPH, SVOCs, PCBs, and RCRA 8 metals (total and leachable) were reported below the applicable RSR criteria but above the laboratory detection limits in a number of samples. Herbicides were not detected in the soil samples analyzed during this investigation.

Groundwater

Groundwater was not encountered within eight feet of the ground surface. No groundwater samples were collected.

8.0 Recommendations

Areas where results exceed the RSR criteria should be designated as areas of environmental concern (AOECs). Where contaminated soils are excavated, special handling, disposal and documentation procedures will be required. Soils excavated within an AOEC may be reused as fill/backfill only within the AOEC from which it was excavated. Excess or unsuitable soils that cannot be reused within its AOEC of origin must be transported off-Site for disposal. Task 310 plans and specifications are therefore recommended for the areas of construction within the AOECs.

Areas where the results are above the laboratory detection limits but below RSR criteria, should be designated as low level areas of environmental concern (LLAOECs). 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. Task 310 plans and specifications are therefore recommended for the areas of construction within the LLAOECs with consideration for reuse of LLAOEC soil.

Groundwater was not encountered across the project area below a depth of eight feet. Based on the presence of metals above the SWPC in the groundwater at RSB-A1, groundwater that may be generated during dewatering operations associated with the Project may need to be managed, treated, and disposed of in accordance with applicable local, state, and federal laws. Task 310 plans should address treatment options for potentially contaminated groundwater if excavations are extended below 8 feet into groundwater.

Table 1
Laboratory Soil Data
New Britain-Harford Busway
Hartford North
Ttl# 127-17797-9002
DOT Project No. 171-305
DOT Assignment No. 403-3526

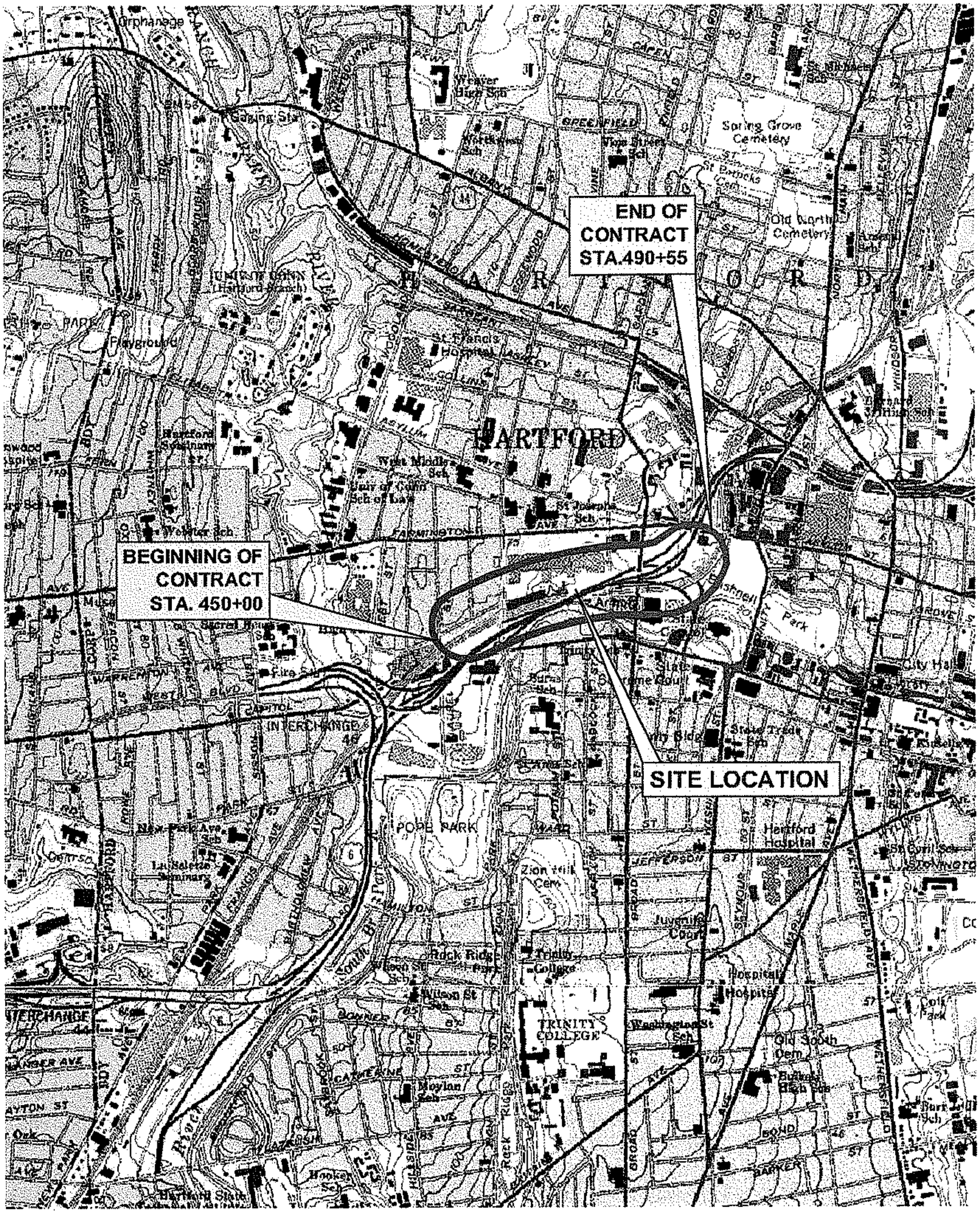
Sample Location	CTDEP Remediation Standard Regulations (RSR) Criteria			RSB-D1 (1-4)	RSB-D2 (1-4)	RSB-D3 (1-2)	RSB-D4 (1-4)	RSB-D5 (1-4)	RSB-D6 (1-4)	RSB-D7 (1-4)	RSB-D8 (1-4)	RSB-D9 (1-4)	RSB-D10 (1-4)	RSB-D11 (1-4)	RSB-D12 (1-4)	RSB-D13 (1-4)
Laboratory ID				SA90179-03	SA90179-04	SA90232-02	SA90179-05	SA90179-06	SA90179-07	SA90179-08	SA90179-09	SA90121-01	SA90121-02	SA90121-03	SA90121-04	SA90232-03
Sample Date				21-Jan-09	21-Jan-09	22-Jan-09	21-Jan-09	21-Jan-09	21-Jan-09	21-Jan-09	21-Jan-09	20-Jan-09	20-Jan-09	20-Jan-09	20-Jan-09	22-Jan-09
	GB PMC	I/C DEC	Res DEC													
Volatile Organic Compounds (VOCs) by SW846 8260B (µg/kg)																
Dichlorodifluoromethane (Freon12)	—	—	—	<15.1	<10.5	234 (E)/<104	<15.1	<9.8	<10.4	<13.1	<12.0	<17.0	<13.2	<11.0	<8.3	<11.8
Semi-Volatile Organic Compounds (SVOCs) by SW846 8270C (µg/kg)																
Acenaphthylene	84000	2500000	1000000	<363	<367	<4320	<425	<357	<356	<368	<375	<418	<407	<399	<367	951
Benzo (a) anthracene	1000	7800	1000	425	<367	**<4320**	<425	<357	<356	<368	<375	<418	<407	<399	<367	**3060**
Benzo (a) pyrene	1000	1000	1000	374	<367	**<4320**	<425	<357	<356	<368	<375	<418	<407	<399	406	**3740**
Benzo (b) fluoranthene	1000	7800	1000	378	<367	**<4320**	<425	<357	<356	<368	<375	<418	<407	<399	400	**5180**
Benzo (g,h,i) perylene	42000	2500000	1000000	<363	<367	<4320	<425	<357	<356	<368	<375	<418	<407	<399	<367	913
Benzo (k) fluoranthene	1000	78000	8400	492	<367	**<4320**	<425	<357	<356	<368	<375	<418	<407	<399	375	**3510**
Bis(2-ethylhexyl)phthalate	—	—	—	<363	<368	<4320	<426	<357	<356	<368	<375	<418	439	<399	<367	<378
Chrysene	1000	780000	84000	523	<367	**<4320**	<425	<357	<356	<368	<375	<418	<407	<399	449	**2580**
Dibenzo (a,h) anthracene	1000	1000	1000	<363	<367	**<4320**	<425	<357	<356	<368	<375	<418	<407	<399	<367	383
Fluoranthene	56000	2500000	1000000	1150	<367	**6840**	<425	<357	<356	<368	502	<418	685	649	869	3930
Phenanthrene	40000	2500000	1000000	891	<367	<4320	<425	<357	<356	<368	<375	<418	<407	<399	650	<378
Indeno (1,2,3-cd) pyrene	1000	7800	1000	<363	<367	**<4320**	<425	<357	<356	<368	<375	<418	<407	<399	<367	**1210**
Pyrene	40000	2500000	1000000	1170	<367	5410	<425	<357	<356	<368	381	<418	624	552	809	5500
Total RCRA 8 Metals by EPA 6000/7000 Series Methods (mg/kg)																
Arsenic	—	10	10	4.08	7.27	5.05	7.48	5.95	2.43	2.31	**16.6**	9.63	5.4	**16.3**	**128**	**12.0**
Barium	—	140000	4700	67.2	52.3	80.5	181	36.0	56.4	140	79.3	213	120	74.8	68.2	220
Cadmium	—	1000	34	<0.492	<0.487	1.00	0.918	<0.533	<0.531	0.668	<0.556	0.792	0.944	1.04	<0.562	0.849
Chromium	—	—	—	10.9	10.4	19.1	33.1	7.73	11.5	28.2	12.2	31.7	40.2	14.3	9.11	20.4
Mercury	—	610	20	0.190	0.128	0.100	0.0667	0.188	0.151	0.0801	0.118	0.149	0.112	0.489	0.541	0.161
Lead	—	1000	400	56.7	52.3	242	43.8	54.6	30.1	12.5	82.4	45.7	330	199	113	135
Selenium	—	10000	340	1.95	1.80	2.39	4.84	<1.60	1.95	4.02	1.67	4.78	1.72	1.81	1.85	3.11
SPLP of Metals by EPA 1312 and 6000/7000 Series Methods (mg/L)																
Silver	0.36	—	—	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	0.5	—	—	NA	NA	NA	NA	NA	NA	NA	<0.0080	NA	NA	<0.0080	0.0429	0.0140
Barium	10	—	—	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0257
Cadmium	0.05	—	—	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.0050	NA	NA
Chromium	0.5	—	—	NA	NA	NA	NA	NA	NA	NA	<0.0100	NA	NA	<0.0100	NA	<0.0100
Mercury	0.02	—	—	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.00020	<0.00020	NA
Lead	0.15	—	—	NA	NA	NA	NA	NA	NA	NA	0.0174	NA	0.0477	**0.156**	0.0157	<0.0150
TCLP of Metals by EPA 1311 and 6000/7000 Series Methods (mg/L)																
Arsenic	0.5	—	—	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.124	NA
Lead	0.15	—	—	NA	NA	**0.350**	NA	NA	NA	NA	NA	NA	0.0850	**0.202**	0.0207	0.0809
Extractable Petroleum Hydrocarbons (TPH) by CT Method (mg/kg)																
Total Petroleum Hydrocarbons	2500	2500	500	81.5	<14.8	**1100**	<17.1	<14.4	<14.4	<14.8	39.5	39.7	**676**	84.9	57	239
Polychlorinated Biphenyls (PCBs) by SW846 8082 (µg/kg)																
PCB 1016	—	—	—	<21.7	<21.7	832	<25.1	<21.6	<21.1	<22.4	<22.6	<25.2	<22.9	<24.4	<22.4	<21.7
PCB 1254	—	—	—	<21.7	<21.7	<20.1	<25.1	<21.6	<21.1	<22.4	<22.6	<25.2	147	25.7	<22.4	<21.7
PCB 1260	—	—	—	<21.7	<21.7	155	<25.1	<21.6	<21.1	<22.4	<22.6	<25.2	46.1	49.0	<22.4	<21.7
Total PCBs	—	10,000	1,000	<21.7	<21.7	987	<25.1	<21.6	<21.1	<22.4	<22.6	<25.2	193.1	74.7	<22.4	<21.7
SPLP of PCBs by SW846 1312/8082 (µg/l)																
Total PCBs	5	—	—	NA	NA	<0.0204	NA	NA	NA	NA	NA	NA	<0.0250	<0.0200	NA	NA
Chlorinated Herbicides by SW846 8151A (µg/kg)																
Chlorinated Herbicides	Varies	Varies	Varies	BRL(var)	BRL(var)	BRL(var)	BRL(var)	BRL(var)	BRL(var)	BRL(var)	BRL(var)	BRL(var)	BRL(var)	BRL(var)	BRL(var)	BRL(var)

Abbreviations:
Bold font denotes an exceedance of the RSRs
NA = not analyzed
— = RSR criteria not established
< = Concentration less than the laboratory reportable detection limits
SPLP = Synthetic Precipitation Leaching Procedure
I/C DEC = Industrial/Commercial Direct Exposure Criteria
RES DEC = Residential Direct Exposure Criteria
GB PMC = Pollutant Mobility Criteria for a GB groundwater designation
CTDEP = Connecticut Department of Environmental Protection
RCRA = Resource Conservation and Recovery Act
mg/kg = milligrams /kilogram or parts per million
µg/kg= micrograms/kilogram or parts per billion
mg/L = milligrams/liter or parts per million
BRL = Below Laboratory Reportable Detection Limits
(var) = Variable Laboratory Detection Limits
E = The concentration indicated for this analyte is an estimated value
#/# = Original value/ Reanalyzed Value
PCB = Poluchlorinated Biphenyls
TCLP = Toxicity Characteristic Leaching Procedure
Notes:
1. Analytes listed when detected in at least one sample

Table 1
Laboratory Soil Data
New Britain-Harford Busway
Hartford North
Ti# 127-17797-9002
DOT Project No. 171-305
DOT Assignment No. 403-3526

Sample Location Laboratory ID Sample Date	CTDEP Remediation Standard Regulations (RSR) Criteria GB PMC	I/C DEC	Res DEC	RSB-D14 (1-4) SA90232-04 22-Jan-09	RSB-D15 (4-8) SA90232-05 22-Jan-09	RSB-D16 (1-4) SA90344-04 23-Jan-09	RSB-D17 (1-4) SA90232-06 22-Jan-09	RSB-D18 (1-4) SA90232-07 22-Jan-09	RSB-D19 (1-4) SA90344-01 23-Jan-09	RSB-D20 (4-8) SA90344-02 23-Jan-09	RSB-D21 (4-6.5) SA90344-03 23-Jan-09
Volatile Organic Compounds (VOCs) by SW846 8260B (µg/kg)											
Dichlorodifluoromethane (Freon12)	---	---	---	<11.0	<10.6	2690(E)/254	214 (E)/<114	<9.6	3520(E)/775	6240(E)/2780	4260(E)/461
Semi-Volatile Organic Compounds (SVOCs) by SW846 8270C (µg/kg)											
Acenaphthylene	84000	2500000	1000000	<364	<378	<356	<361	<350	<358	<369	<702
Benzo (a) anthracene	1000	7800	1000	<364	<378	<356	369	<350	<358	<369	<702
Benzo (a) pyrene	1000	1000	1000	<364	<378	<356	443	<350	<358	<369	<702
Benzo (b) fluoranthene	1000	7800	1000	<364	<378	<356	544	<350	<358	<369	<702
Benzo (g,h,i) perylene	42000	2500000	1000000	<364	<378	<356	<361	<350	<358	<369	<702
Benzo (k) fluoranthene	1000	78000	8400	<364	<378	<356	568	407	<358	<369	<702
Bis(2-ethylhexyl)phthalate	---	---	---	<364	<378	<356	<361	<350	<358	<369	<702
Chrysene	1000	780000	84000	<364	<378	<356	452	<350	<358	<369	<702
Dibenzo (a,h) anthracene	1000	1000	1000	<364	<378	<356	<361	<350	<358	<369	<702
Fluoranthene	56000	2500000	1000000	<364	<378	<356	816	578	<358	<369	<702
Phenanthrene	40000	2500000	1000000	<364	<378	<356	<361	<350	<358	<369	<702
Indeno (1,2,3-cd) pyrene	1000	7800	1000	<364	<378	<356	<361	<350	<358	<369	<702
Pyrene	40000	2500000	1000000	<364	<378	<356	622	444	<358	<369	<702
Total RCRA 8 Metals by EPA 6000/7000 Series Methods (mg/kg)											
Arsenic	---	10	10	**11.2**	1.53	<1.48	**24.6**	3.30	2.44	<1.53	<1.58
Barium	---	140000	4700	83.0	35.2	144	43.5	26.4	225	115	79.2
Cadmium	---	1000	34	0.733	<0.501	<0.492	<0.538	<0.496	0.522	<0.509	0.542
Chromium	---	---	---	14.5	6.33	24.4	8.30	7.85	16.9	17.0	15.0
Mercury	---	610	20	<0.0293	<0.0334	<0.0326	0.130	0.0536	<0.0303	<0.0327	0.0301
Lead	---	1000	400	43.9	5.37	9.52	68.9	34.5	8.96	8.16	15.1
Selenium	---	10000	340	2.09	<1.50	<1.48	<1.61	1.55	<1.57	<1.53	<1.58
SPLP of Metals by EPA 1312 and 6000/7000 Series Methods (mg/L)											
Silver	0.36	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	0.5	---	---	<0.0080	NA	NA	0.0103	NA	NA	NA	NA
Barium	10	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	0.05	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	0.5	---	---	<0.0100	NA	NA	<0.0100	NA	NA	NA	NA
Mercury	0.02	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Lead	0.15	---	---	NA	NA	NA	NA	NA	NA	NA	NA
TCLP of Metals by EPA 1311 and 6000/7000 Series Methods (mg/L)											
Arsenic	0.5	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Lead	0.15	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Extractable Petroleum Hydrocarbons (TPH) by CT Method (mg/kg)											
Total Petroleum Hydrocarbons	2500	2500	500	<14.7	<15.2	<14.3	74.1	40.0	<14.4	<14.9	217
Polychlorinated Biphenyls (PCBs) by SW846 8082 (µg/kg)											
PCB 1016	---	---	---	<21.8	<22.4	<21.8	<21.1	<21.0	<21.5	<21.1	<21.3
PCB 1254	---	---	---	<21.8	<22.4	<21.8	<21.1	<21.0	<21.5	<21.1	<21.3
PCB 1260	---	---	---	<21.8	<22.4	<21.8	<21.1	<21.0	<21.5	<21.1	<21.3
Total PCBs	---	10,000	1,000	<21.8	<22.4	<21.8	<21.1	<21.0	<21.5	<21.1	<21.3
SPLP of PCBs by SW846 1312/8082 (µg/l)											
Total PCBs	5	---	---	NA	NA	NA	NA	NA	NA	NA	NA
Chlorinated Herbicides by SW846 8151A (µg/kg)											
Chlorinated Herbicides	Varies	Varies	Varies	BRL(var)	BRL(var)	BRL(var)	BRL(var)	BRL(var)	BRL(var)	BRL(var)	BRL(var)

Abbreviations:
Bold font denotes an exceedance of the RSRs
NA = not analyzed
--- = RSR criteria not established
< = Concentration less than the laboratory reportable detection limits
SPLP = Synthetic Precipitation Leaching Procedure
I/C DEC = Industrial/Commercial Direct Exposure Criteria
RES DEC = Residential Direct Exposure Criteria
GB PMC = Pollutant Mobility Criteria for a GB groundwater designation
CTDEP = Connecticut Department of Environmental Protection
RCRA = Resource Conservation and Recovery Act
mg/kg = milligrams /kilogram or parts per million
µg/kg= micrograms/kilogram or parts per billion
mg/L = milligrams/liter or parts per million
BRL = Below Laboratory Reportable Detection Limits
(var) = Variable Laboratory Detection Limits
E = The concentration indicated for this analyte is an estimated value
#/# = Original value/ Reanalyzed Value
PCB = Poluchlorinated Biphenyls
TCLP = Toxicity Characteristic Leaching Procedure
Notes:
1. Analytes listed when detected in at least one sample



127-17797-09002G-ESL02.dwg

0 2,000± Feet

TETRA TECH RIZZO

Information obtained from
USGS Map of Hartford North, Connecticut
Quadrangle dated 1964, Photorevised 1992
USGS Hartford South, Connecticut
Quadrangle dated 1964, Photorevised 1992

New Britain - Hartford Busway
Sta. 450+00 to Sta. 490+55
Hartford, Connecticut

Site Location Mapl

Figure
1

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BEGINNING OF CONTRACT
STA. 450+00

HAWTHORNE STREET

MILAY STREET

RSB-D1

RSB-D2

RSB-D3

RSB-D4

RSB-D5

MATCH LINE STA. 460+50 - SEE DRAWING ENV-B2

LEGEND

RSB-D1 SOIL BORING LOCATION

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

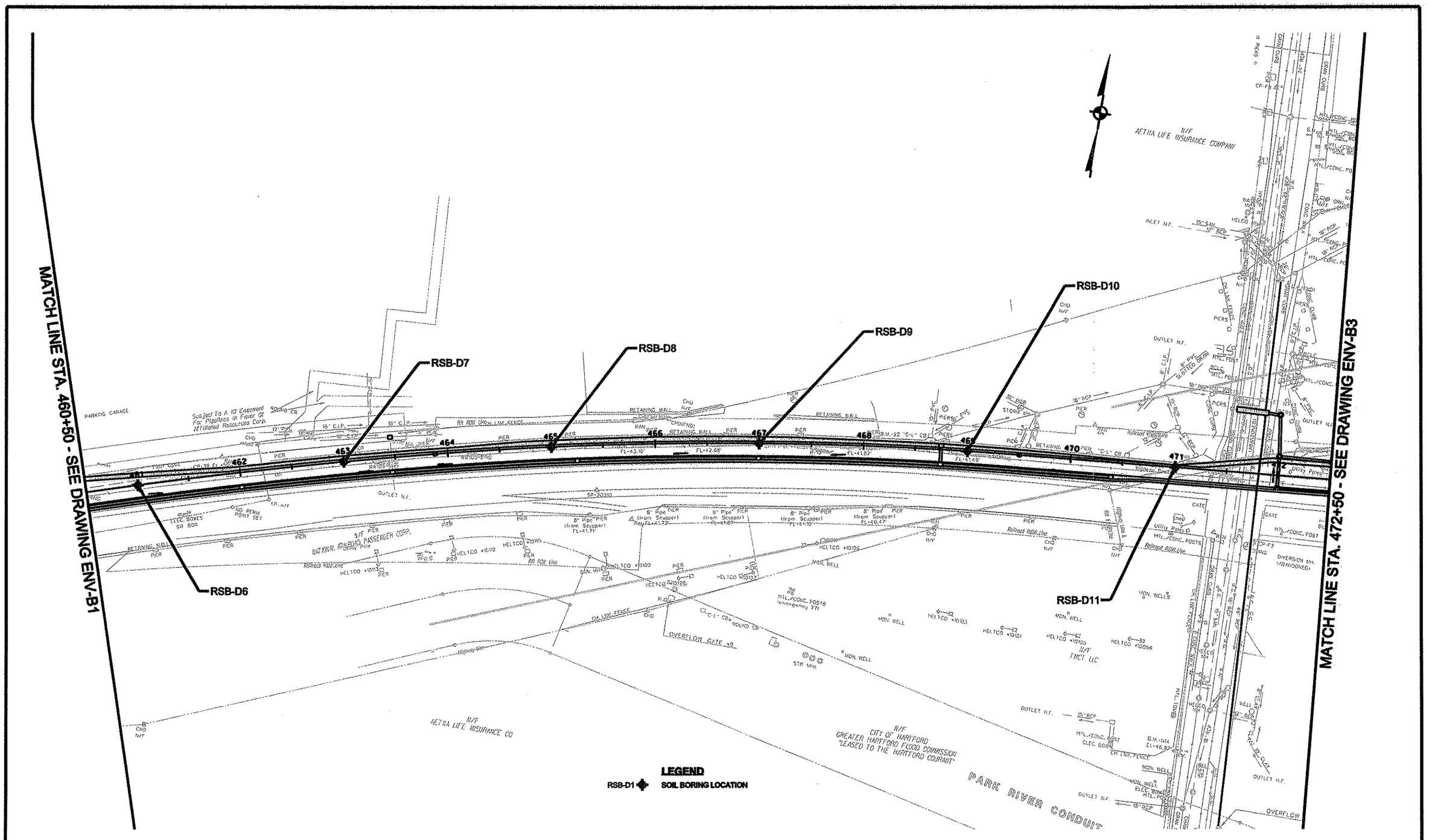
PROJECT TITLE: NEW BRITAIN – HARTFORD BUSWAY

CADD FILE: 063H137-210-ENV01.dgn | PLOTTED DATE: 3/9/2009

TOWN: HARTFORD

DRAWING TITLE: SOIL BORING LOCATION PLAN

CONTRACT NO.: 63–H137
DRAWING NO.: ENV–B1
SHEET NO.:



REV.	DATE	DESCRIPTION REVISIONS	SHEET NO.

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

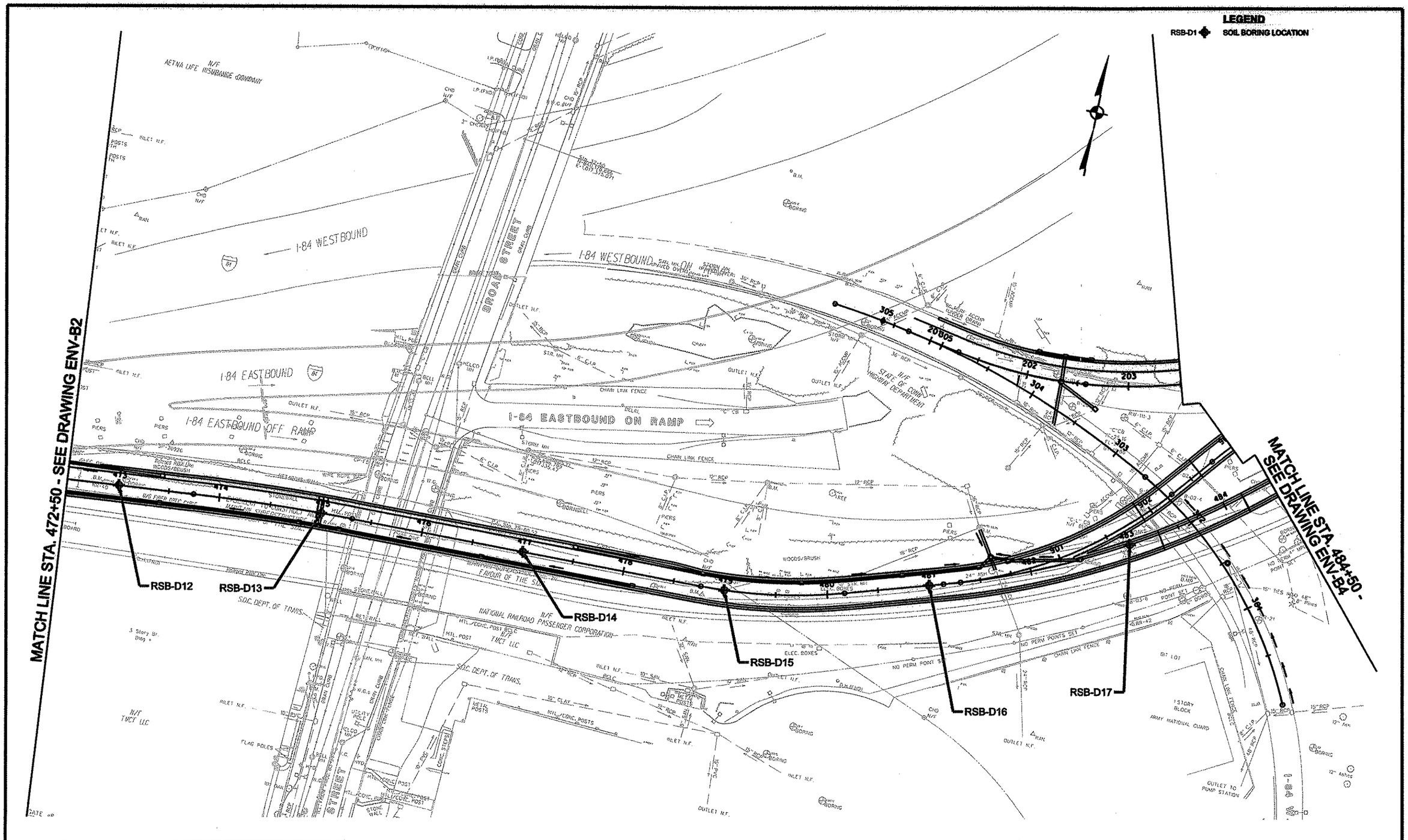
PROJECT TITLE: NEW BRITAIN – HARTFORD BUSWAY

CADD: 063H137-210-ENV02.dgn PLOTTED DATE: 3/6/2009

TOWN: HARTFORD

DRAWING TITLE: SOIL BORING LOCATION PLAN

CONTRACT NO: 63-H137
DRAWING NO: ENV-B2
SHEET NO.:



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

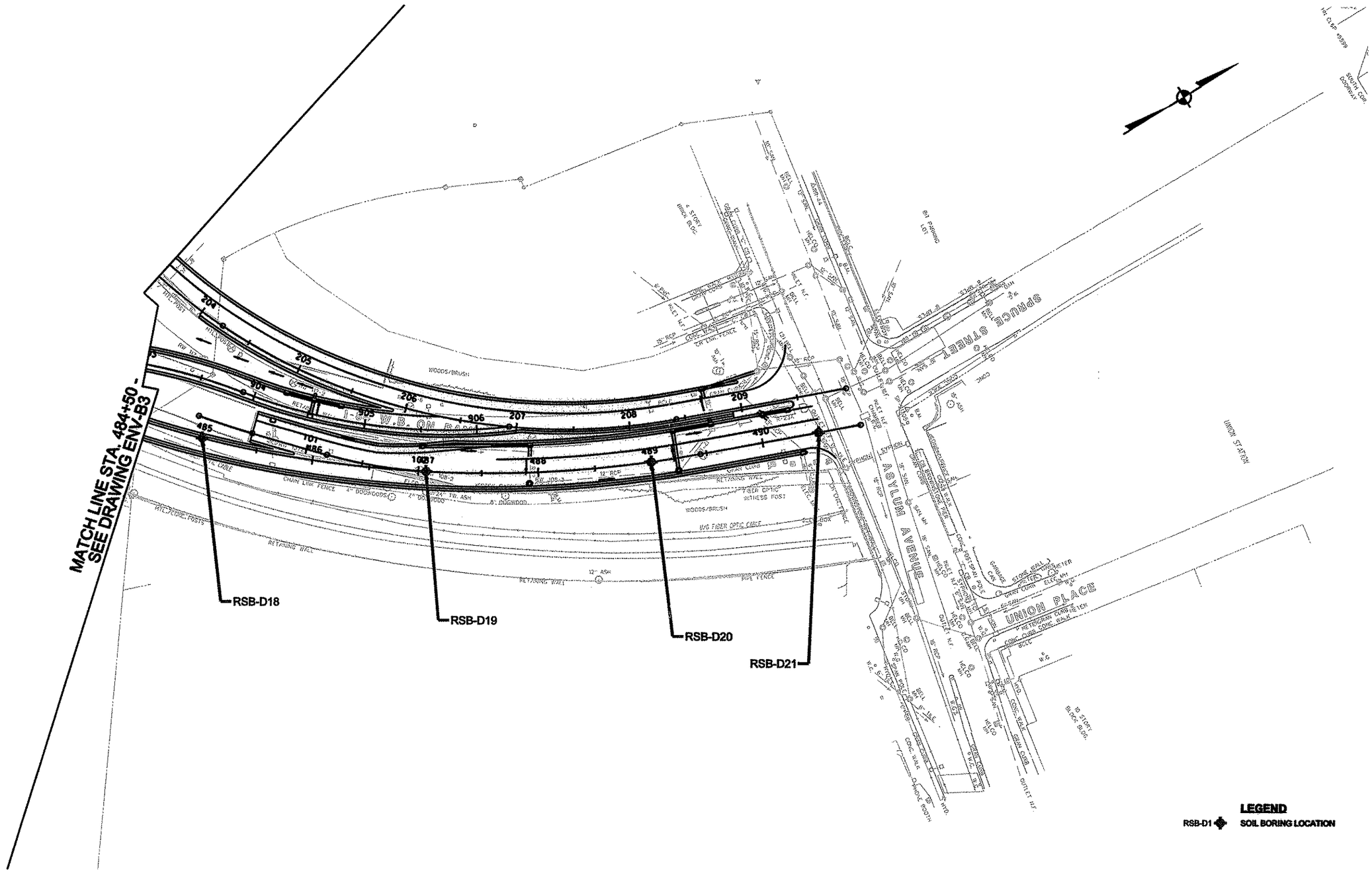
PROJECT TITLE: NEW BRITAIN – HARTFORD BUSWAY

CADD FILE: 063h137-210-ENV03.dgn PLOTTED DATE: 3/3/2009

TOWN: HARTFORD

DRAWING TITLE: SOIL BORING LOCATION PLAN

CONTRACT NO.: 63-H137
DRAWING NO.: ENV-B3
SHEET NO.:



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: NEW BRITAIN – HARTFORD BUSWAY

CADD FILE: 063H137-210-ENV04.dgn | PLOTTED DATE: 3/3/2009

TOWN: HARTFORD

DRAWING TITLE: SOIL BORING LOCATION PLAN

CONTRACT NO.: 63-H137
DRAWING NO.: ENV-B4
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 the 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, ENGINEER 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 ENGINEER at the time of the site assessment. Although there may have been some degree of overlap in the information provided by these various sources, ENGINEER 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, ENGINEER 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, ENGINEER 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. ENGINEER 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, ENGINEER 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.

TETRA TECH RIZZO

BORING NUMBER RSB-D1

CLIENT Connecticut Department of Transportation
PROJECT NAME Busway New Britain/Hartford
PROJECT NUMBER 127-17797-09002
PROJECT LOCATION Hartford, Connecticut
DATE STARTED 1/21/09 **COMPLETED** 1/21/09
GROUND ELEVATION ___ **HOLE SIZE** 2"
DRILLING CONTRACTOR New England Boring
GROUND WATER LEVELS:
DRILLING METHOD Direct Push (Geoprobe)
AT TIME OF DRILLING ---
LOGGED BY Patrick de Paula **CHECKED BY** Rachel H. Rindfleisch
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0						
	(0-4)	75	SOIL SAMPLE: RSB-D1 (1-4') 11:55 SUBMITTED		3" Top soil and angular, m GRAVEL; 18" Black, f-c SAND; 15" Red, f-c SAND; no odor, dry	0.0
2.5						
5.0					30" Gray CLAY; no staining, no odor, dry	
	(4-8)	63				0.0
7.5						
					8.0 Bottom of hole at 8.0 feet.	

TETRA TECH RIZZO

BORING NUMBER RSB-D10

CLIENT Connecticut Department of Transportation
PROJECT NAME Busway New Britain/Hartford
PROJECT NUMBER 127-17797-09002
PROJECT LOCATION Hartford, Connecticut
DATE STARTED 1/20/09 **COMPLETED** 1/20/09
GROUND ELEVATION ____ **HOLE SIZE** 2"
DRILLING CONTRACTOR New England Boring
GROUND WATER LEVELS:
DRILLING METHOD Direct Push (Geoprobe)
AT TIME OF DRILLING ---
LOGGED BY Patrick de Paula **CHECKED BY** Rachel H. Rindfleisch
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0						
2.5	(0-4)	75	SOIL SAMPLE: RSB-D10 (1-4') 11:00 SUBMITTED		36" Brown CLAY and angular, f-c GRAVEL; no staining, no odor, dry	0.0
				4.0	Bottom of hole at 4.0 feet.	

BORING NUMBER RSB-D11

TETRA TECH RIZZO

CLIENT Connecticut Department of Transportation
PROJECT NAME Busway New Britain/Hartford
PROJECT NUMBER 127-17797-09002
PROJECT LOCATION Hartford, Connecticut
DATE STARTED 1/20/09 **COMPLETED** 1/20/09
GROUND ELEVATION ___ **HOLE SIZE** 2"
DRILLING CONTRACTOR New England Boring
GROUND WATER LEVELS:
DRILLING METHOD Direct Push (Geoprobe)
AT TIME OF DRILLING ---
LOGGED BY Patrick de Paula **CHECKED BY** Rachel H. Rindfleisch
AT END OF DRILLING ---
NOTES ___
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0						
	(0-4)	100	SOIL SAMPLE: RSB-D11 (1-4') 10:35 SUBMITTED		48" Black, f-c SAND, some angular, f-c GRAVEL; petroleum odor, dry	0.0
2.5						
					36" Brown CLAY some SILT; no staining, no odor, dry	
5.0						
	(4-8)	75				0.0
7.5						
					8.0 Bottom of hole at 8.0 feet.	

TETRA TECH RIZZO

BORING NUMBER RSB-D12

CLIENT Connecticut Department of Transportation
PROJECT NAME Busway New Britain/Hartford
PROJECT NUMBER 127-17797-09002
PROJECT LOCATION Hartford, Connecticut
DATE STARTED 1/20/09 **COMPLETED** 1/20/09
GROUND ELEVATION ____ **HOLE SIZE** 2"
DRILLING CONTRACTOR New England Boring
GROUND WATER LEVELS:
DRILLING METHOD Direct Push (Geoprobe)
AT TIME OF DRILLING ---
LOGGED BY Patrick de Paula **CHECKED BY** Rachel H. Rindfleisch
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0						
	(0-4)	75	SOIL SAMPLE: RSB-D12 (1-4') 10:15 SUBMITTED		12" Top soil and angular, m GRAVEL; 12" Black, f-c SAND; 12" Red, f-c SAND; no odor, dry	0.0
2.5						
5.0					36" Brown CLAY some SILT; no staining, no odor, dry	
	(4-8)	75				0.0
7.5						
					8.0	
					Bottom of hole at 8.0 feet.	

TETRA TECH RIZZO

BORING NUMBER RSB-D13

CLIENT Connecticut Department of Transportation
PROJECT NAME Busway New Britain/Hartford
PROJECT NUMBER 127-17797-09002
PROJECT LOCATION Hartford, Connecticut
DATE STARTED 1/22/09 **COMPLETED** 1/22/09
GROUND ELEVATION ____ **HOLE SIZE** 2"
DRILLING CONTRACTOR New England Boring
GROUND WATER LEVELS:
DRILLING METHOD Direct Push (Geoprobe)
∇ **AT TIME OF DRILLING** 4.0 ft
LOGGED BY Patrick de Paula **CHECKED BY** Rachel H. Rindfleisch
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0						
	(0-4)	100	SOIL SAMPLE: RSB-D13 (1-4') 9:45 SUBMITTED		48" Brown CLAY some angular, f-c GRAVEL; no staining, no odor, dry	0.0
2.5						
					∇ 36" Brown CLAY; wet, no staining, no odor	
5.0						
	(4-8)	75				0.0
7.5						
					8.0	
					Bottom of hole at 8.0 feet.	

TETRA TECH RIZZO

BORING NUMBER RSB-D14

CLIENT Connecticut Department of Transportation
PROJECT NAME Busway New Britain/Hartford
PROJECT NUMBER 127-17797-09002
PROJECT LOCATION Hartford, Connecticut
DATE STARTED 1/22/09 **COMPLETED** 1/22/09
GROUND ELEVATION ____ **HOLE SIZE** 2"
DRILLING CONTRACTOR New England Boring
GROUND WATER LEVELS:
DRILLING METHOD Direct Push (Geoprobe)
AT TIME OF DRILLING ---
LOGGED BY Patrick de Paula **CHECKED BY** Rachel H. Rindfleisch
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0						
	(0-4)	50	SOIL SAMPLE: RSB-D14 (1-4') 12:15 SUBMITTED		3" Top soil; 21" Brown CLAY and angular, m GRAVEL; no staining, no odor, dry	0.0
2.5						
5.0					36" Brown CLAY and angular, f-c GRAVEL; no staining, no odor, dry	
	(4-8)	75				0.0
7.5						
					8.0 Bottom of hole at 8.0 feet.	

TETRA TECH RIZZO

BORING NUMBER RSB-D15

CLIENT Connecticut Department of Transportation
PROJECT NAME Busway New Britain/Hartford
PROJECT NUMBER 127-17797-09002
PROJECT LOCATION Hartford, Connecticut
DATE STARTED 1/22/09 **COMPLETED** 1/22/09
GROUND ELEVATION ____ **HOLE SIZE** 2"
DRILLING CONTRACTOR New England Boring
GROUND WATER LEVELS:
DRILLING METHOD Direct Push (Geoprobe)
AT TIME OF DRILLING ---
LOGGED BY Patrick de Paula **CHECKED BY** Rachel H. Rindfleisch
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0						
	(0-4)	75			24" Brown SILT and angular c GRAVEL; 12" Yellow, f-c SAND; no staining, no odor, dry	0.0
2.5						
5.0					12" Yellow, f-c SAND; 6" Brown, f-c SAND with some tree roots; 6" Red, f-c SAND; no staining, no odor, dry	
	(4-8)	50	SOIL SAMPLE: RSB-D15 (4-8') 10:30 SUBMITTED			0.0
7.5						
					8.0	
					Bottom of hole at 8.0 feet.	

TETRA TECH RIZZO

BORING NUMBER RSB-D16

CLIENT Connecticut Department of Transportation
PROJECT NAME Busway New Britain/Hartford
PROJECT NUMBER 127-17797-09002
PROJECT LOCATION Hartford, Connecticut
DATE STARTED 1/23/09 **COMPLETED** 1/23/09
GROUND ELEVATION ____ **HOLE SIZE** 2"
DRILLING CONTRACTOR New England Boring
GROUND WATER LEVELS:
DRILLING METHOD Direct Push (Geoprobe)
AT TIME OF DRILLING ---
LOGGED BY Patrick de Paula **CHECKED BY** Rachel H. Rindfleisch
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0						
	(0-4)	63	SOIL SAMPLE: RSB-D16 (1-4') 10:50 SUBMITTED		30" Brown CLAY, some f SAND, some rounded, f GRAVEL; no staining, no odor, dry	0.0
2.5						
5.0					48" Brown CLAY, some f SAND, some rounded, f GRAVEL; no staining, no odor, dry	
	(4-8)	100				0.0
7.5						
					8.0 Bottom of hole at 8.0 feet.	

BORING NUMBER RSB-D17

TETRA TECH RIZZO

CLIENT Connecticut Department of Transportation
PROJECT NAME Busway New Britain/Hartford
PROJECT NUMBER 127-17797-09002
PROJECT LOCATION Hartford, Connecticut
DATE STARTED 1/22/09 **COMPLETED** 1/22/09
GROUND ELEVATION ____ **HOLE SIZE** 2"
DRILLING CONTRACTOR New England Boring
GROUND WATER LEVELS:
DRILLING METHOD Direct Push (Geoprobe)
AT TIME OF DRILLING ---
LOGGED BY Patrick de Paula **CHECKED BY** Rachel H. Rindfleisch
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0						
	(0-4)	75	SOIL SAMPLE: RSB-D17 (1-4') 11:00 SUBMITTED		9" Angular, c GRAVEL; 9" Brown SILT some angular GRAVEL; 6" Brown, f-c SAND, black staining; 12" Brown, f-c SAND; no odor, dry	0.0
2.5						
5.0					12" Brown, f-c SAND; 24" Brown CLAY; no staining, no odor, dry	
	(4-8)	75				0.0
7.5						
					8.0	
					Bottom of hole at 8.0 feet.	

TETRA TECH RIZZO

BORING NUMBER RSB-D18

CLIENT Connecticut Department of Transportation
PROJECT NAME Busway New Britain/Hartford
PROJECT NUMBER 127-17797-09002
PROJECT LOCATION Hartford, Connecticut
DATE STARTED 1/22/09 **COMPLETED** 1/22/09
GROUND ELEVATION ____ **HOLE SIZE** 2"
DRILLING CONTRACTOR New England Boring
GROUND WATER LEVELS:
DRILLING METHOD Direct Push (Geoprobe)
AT TIME OF DRILLING ---
LOGGED BY Patrick de Paula **CHECKED BY** Rachel H. Rindfleisch
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0						
	(0-4)	50	SOIL SAMPLE: RSB-D18 (1-4') 11:50 SUBMITTED		24" Yellow, stained, m SAND, some angular, m GRAVEL; no odor, dry	0.0
2.5						
5.0					3" Yellow, stained, m SAND; 15" Yellow, m SAND; no odor, dry	
	(4-8)	38				0.0
7.5						
					8.0 Bottom of hole at 8.0 feet.	

BORING NUMBER RSB-D19

TETRA TECH RIZZO

CLIENT Connecticut Department of Transportation
PROJECT NAME Busway New Britain/Hartford
PROJECT NUMBER 127-17797-09002
PROJECT LOCATION Hartford, Connecticut
DATE STARTED 1/23/09 **COMPLETED** 1/23/09
GROUND ELEVATION ___ **HOLE SIZE** 2"
DRILLING CONTRACTOR New England Boring
GROUND WATER LEVELS:
DRILLING METHOD Direct Push (Geoprobe)
AT TIME OF DRILLING ---
LOGGED BY Patrick de Paula **CHECKED BY** Rachel H. Rindfleisch
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0						
	(0-4)	100	SOIL SAMPLE: RSB-D19 (1-4') 8:30 SUBMITTED		36" Asphalt and concrete; 12" Brown SILT, some f SAND, trace angular GRAVEL; no staining, no odor, dry	0.0
2.5						
				4.0	48" Brown CLAY; no staining, no odor, dry	
5.0						
	(4-8)	100				0.0
7.5						
					Bottom of hole at 8.0 feet.	

TETRA TECH RIZZO

BORING NUMBER RSB-D2

CLIENT Connecticut Department of Transportation
PROJECT NAME Busway New Britain/Hartford
PROJECT NUMBER 127-17797-09002
PROJECT LOCATION Hartford, Connecticut
DATE STARTED 1/21/09 **COMPLETED** 1/21/09
GROUND ELEVATION **HOLE SIZE** 2"
DRILLING CONTRACTOR New England Boring
GROUND WATER LEVELS:
DRILLING METHOD Direct Push (Geoprobe)
AT TIME OF DRILLING ---
LOGGED BY Patrick de Paula **CHECKED BY** Rachel H. Rindfleisch
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0						
	(0-4)	75	SOIL SAMPLE: RSB-D2 (1-4') 11:25 SUBMITTED		3" Top soil and angular, m GRAVEL; 18" Black, f-c SAND; 15" Red, f-c SAND; no odor, dry	0.0
2.5						
5.0					36" Gray CLAY; no staining, no odor, dry	
	(4-8)	75				0.0
7.5						
					8.0 Bottom of hole at 8.0 feet.	

TETRA TECH RIZZO

BORING NUMBER RSB-D20

CLIENT Connecticut Department of Transportation
PROJECT NAME Busway New Britain/Hartford
PROJECT NUMBER 127-17797-09002
PROJECT LOCATION Hartford, Connecticut
DATE STARTED 1/23/09 **COMPLETED** 1/23/09
GROUND ELEVATION ____ **HOLE SIZE** 2"
DRILLING CONTRACTOR New England Boring
GROUND WATER LEVELS:
DRILLING METHOD Direct Push (Geoprobe)
AT TIME OF DRILLING ---
LOGGED BY Patrick de Paula **CHECKED BY** Rachel H. Rindfleisch
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0	(0-4)	75			12" Concrete; 12" Gray, f SAND and angular GRAVEL; 12" Brown SILT, some f SAND, trace subangular GRAVEL; no staining, no odor, dry	0.0
2.5						
5.0	(4-8)	75	SOIL SAMPLE: RSB-D20 (4-8') 9:00 SUBMITTED		12" Gray, f SAND and angular, m GRAVEL; 24" Brown-red SILT, some f SAND, trace subangular GRAVEL; no staining, no odor, dry	0.0
7.5						
8.0					Bottom of hole at 8.0 feet.	

TETRA TECH RIZZO

BORING NUMBER RSB-D21

CLIENT Connecticut Department of Transportation
PROJECT NAME Busway New Britain/Hartford
PROJECT NUMBER 127-17797-09002
PROJECT LOCATION Hartford, Connecticut
DATE STARTED 1/23/09 **COMPLETED** 1/23/09
GROUND ELEVATION ___ **HOLE SIZE** 2"
DRILLING CONTRACTOR New England Boring
GROUND WATER LEVELS:
DRILLING METHOD Direct Push (Geoprobe)
AT TIME OF DRILLING ---
LOGGED BY Patrick de Paula **CHECKED BY** Rachel H. Rindfleisch
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0						
	(0-4)	75			33" Asphalt and concrete; 3" Brown SILT, some f SAND, trace angular GRAVEL; no staining, no odor, dry	0.0
2.5						
	(4-6.5)	60	SOIL SAMPLE: RSB-D21 (4-6.5') 9:30 SUBMITTED		18" Brown SILT some f SAND trace angular GRAVEL; Refusal at 6.5 fbg due to sandstone bedrock; no staining, no odor, dry	0.0
5.0						
					8.0 Bottom of hole at 6.5 feet.	

TETRA TECH RIZZO

BORING NUMBER RSB-D3

CLIENT Connecticut Department of Transportation
PROJECT NAME Busway New Britain/Hartford
PROJECT NUMBER 127-17797-09002
PROJECT LOCATION Hartford, Connecticut
DATE STARTED 1/22/09 **COMPLETED** 1/22/09
GROUND ELEVATION ___ **HOLE SIZE** 2"
DRILLING CONTRACTOR New England Boring
GROUND WATER LEVELS:
DRILLING METHOD Direct Push (Geoprobe)
AT TIME OF DRILLING ---
LOGGED BY Patrick de Paula **CHECKED BY** Rachel H. Rindfleisch
AT END OF DRILLING ---
NOTES ___
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0						
2.5	(0-4)	50	SOIL SAMPLE: RSB-D3 (1-4') 8:20 SUBMITTED		24" Brown, f-c SAND and angular, m GRAVEL; no staining, no odor, dry	0.0
					4.0	
					Bottom of hole at 4.0 feet.	

TETRA TECH RIZZO

BORING NUMBER RSB-D4

CLIENT Connecticut Department of Transportation
PROJECT NAME Busway New Britain/Hartford
PROJECT NUMBER 127-17797-09002
PROJECT LOCATION Hartford, Connecticut
DATE STARTED 1/21/09 **COMPLETED** 1/21/09
GROUND ELEVATION ____ **HOLE SIZE** 2"
DRILLING CONTRACTOR New England Boring
GROUND WATER LEVELS:
DRILLING METHOD Direct Push (Geoprobe)
AT TIME OF DRILLING ---
LOGGED BY Patrick de Paula **CHECKED BY** Rachel H. Rindfleisch
AT END OF DRILLING ---
NOTES ____
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0						
	(0-4)	50	SOIL SAMPLE: RSB-D4 (1-4') 10:15 SUBMITTED		24" Brown CLAY; no staining, no odor, dry	0.0
2.5						
5.0	(4-8)	50			24" Brown CLAY; no staining, no odor, dry	0.0
7.5						
					8.0 Bottom of hole at 8.0 feet.	

TETRA TECH RIZZO

BORING NUMBER RSB-D5

CLIENT Connecticut Department of Transportation
PROJECT NAME Busway New Britain/Hartford
PROJECT NUMBER 127-17797-09002
PROJECT LOCATION Hartford, Connecticut
DATE STARTED 1/21/09 **COMPLETED** 1/21/09
GROUND ELEVATION ____ **HOLE SIZE** 2"
DRILLING CONTRACTOR New England Boring
GROUND WATER LEVELS:
DRILLING METHOD Direct Push (Geoprobe)
AT TIME OF DRILLING ---
LOGGED BY Patrick de Paula **CHECKED BY** Rachel H. Rindfleisch
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0						
	(0-4)	56	SOIL SAMPLE: RSB-D5 (1-4') 9:50 SUBMITTED		6" Angular, c GRAVEL; 9" Black, f-c SAND; 12" Brown, m SAND; no odor, dry	0.0
2.5						
5.0					27" Brown CLAY; no staining, no odor, dry	
	(4-8)	56				0.0
7.5						
					8.0 Bottom of hole at 8.0 feet.	

TETRA TECH RIZZO

BORING NUMBER RSB-D6

CLIENT Connecticut Department of Transportation
PROJECT NAME Busway New Britain/Hartford
PROJECT NUMBER 127-17797-09002
PROJECT LOCATION Hartford, Connecticut
DATE STARTED 1/21/09 **COMPLETED** 1/21/09
GROUND ELEVATION ___ **HOLE SIZE** 2"
DRILLING CONTRACTOR New England Boring
GROUND WATER LEVELS:
DRILLING METHOD Direct Push (Geoprobe)
∇ **AT TIME OF DRILLING** 6.0 ft
LOGGED BY Patrick de Paula **CHECKED BY** Rachel H. Rindfleisch
AT END OF DRILLING ---
NOTES ___
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0	(0-4)	75	SOIL SAMPLE: RSB-D6 (1-4') 9:15 SUBMITTED		12" Angular, GRAVEL; 12" Black, f-c SAND; 12" Brown-red, f-c SAND; no odor, dry	0.0
2.5						
5.0	(4-8)	63			6" Brown, f-c SAND; 24" Brown CLAY and SILT, wet; no staining, no odor ∇	0.0
7.5						
8.0					Bottom of hole at 8.0 feet.	

TETRA TECH RIZZO

BORING NUMBER RSB-D7

CLIENT Connecticut Department of Transportation
PROJECT NAME Busway New Britain/Hartford
PROJECT NUMBER 127-17797-09002
PROJECT LOCATION Hartford, Connecticut
DATE STARTED 1/21/09 **COMPLETED** 1/21/09
GROUND ELEVATION ___ **HOLE SIZE** 2"
DRILLING CONTRACTOR New England Boring
GROUND WATER LEVELS:
DRILLING METHOD Direct Push (Geoprobe)
AT TIME OF DRILLING ---
LOGGED BY Patrick de Paula **CHECKED BY** Rachel H. Rindfleisch
AT END OF DRILLING ---
NOTES ___
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0						
2.5	(0-4)	50	SOIL SAMPLE: RSB-D7 (1-4') 14:30 SUBMITTED		24" Brown, f-c SAND and angular, f-c GRAVEL; no staining, no odor, dry	0.0
					4.0 Bottom of hole at 4.0 feet.	

TETRA TECH RIZZO

BORING NUMBER RSB-D8

CLIENT Connecticut Department of Transportation
PROJECT NAME Busway New Britain/Hartford
PROJECT NUMBER 127-17797-09002
PROJECT LOCATION Hartford, Connecticut
DATE STARTED 1/21/09 **COMPLETED** 1/21/09
GROUND ELEVATION **HOLE SIZE** 2"
DRILLING CONTRACTOR New England Boring
GROUND WATER LEVELS:
DRILLING METHOD Direct Push (Geoprobe)
AT TIME OF DRILLING ---
LOGGED BY Patrick de Paula **CHECKED BY** Rachel H. Rindfleisch
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0	(0-4)	75	SOIL SAMPLE: RSB-D8 (1-4') 8:30 SUBMITTED		18" Angular, c GRAVEL and brown, f-c SAND; 18" Brown, f-c SAND some CLAY; no staining, no odor, dry	0.0
2.5						
4.0					Bottom of hole at 4.0 feet.	

TETRA TECH RIZZO

BORING NUMBER RSB-D9

CLIENT Connecticut Department of Transportation
PROJECT NAME Busway New Britain/Hartford
PROJECT NUMBER 127-17797-09002
PROJECT LOCATION Hartford, Connecticut
DATE STARTED 1/20/09 **COMPLETED** 1/20/09
GROUND ELEVATION ____ **HOLE SIZE** 2"
DRILLING CONTRACTOR New England Boring
GROUND WATER LEVELS:
DRILLING METHOD Direct Push (Geoprobe)
AT TIME OF DRILLING ---
LOGGED BY Patrick de Paula **CHECKED BY** Rachel H. Rindfleisch
AT END OF DRILLING ---
NOTES ____
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0	(0-4)	50	SOIL SAMPLE: RSB-D9 (1-4') 11:15 SUBMITTED		24" Brown CLAY and angular, f-c GRAVEL; no staining, no odor, dry	0.0
2.5						
				4.0	Bottom of hole at 4.0 feet.	

Report Date:
13-Feb-09 12:08

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

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

Project: Hartford Busway - Hartford, CT
Project 127-17797-08011

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SA90179-01	RSB-B45	Soil	21-Jan-09 14:00	22-Jan-09 13:06
SA90179-02	RSB-B46	Soil	21-Jan-09 13:30	22-Jan-09 13:06
SA90179-03	RSB-D1	Soil	21-Jan-09 11:55	22-Jan-09 13:06
SA90179-04	RSB-D2	Soil	21-Jan-09 11:25	22-Jan-09 13:06
SA90179-05	RSB-D4	Soil	21-Jan-09 10:15	22-Jan-09 13:06
SA90179-06	RSB-D5	Soil	21-Jan-09 09:50	22-Jan-09 13:06
SA90179-07	RSB-D6	Soil	21-Jan-09 09:15	22-Jan-09 13:06
SA90179-08	RSB-D7	Soil	21-Jan-09 14:30	22-Jan-09 13:06
SA90179-09	RSB-D8	Soil	21-Jan-09 08:30	22-Jan-09 13:06

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

ACCREDITED IN ACCORDANCE WITH nelac

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 73 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.

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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 samples were received 2.3 degrees Celsius, please refer to the Chain of Custody for details specific to temperature upon receipt. An infrared thermometer with a tolerance of +/- 2.0 degrees Celsius was used immediately upon receipt of the samples.

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

SW846 6010B

Duplicates:

9011514-DUP1 *Source: SA90179-01*

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

Arsenic
Chromium
Lead

SW846 7471A

Duplicates:

9011515-DUP1 *Source: SA90179-01*

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.

Mercury

SW846 8260B

Laboratory Control Samples:

9011610-BSD1

Analyte out of acceptance range.

Chloromethane

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.

2-Hexanone (MBK)
Acetone
Ethanol
Tert-Butanol / butyl alcohol
Vinyl chloride

9011612-BSD1

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.

Acetone

Samples:

SA90179-06 *RSB-D5*

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

1,2-Dichloroethane-d4

SW846 8270C

SW846 8270C

Laboratory Control Samples:

9011586-BS1

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

2,4-Dinitrophenol
4,6-Dinitro-2-methylphenol
Aniline
Di-n-octyl phthalate
Hexachlorocyclopentadiene

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-B45 SA90179-01	127-17797-08011	Soil	21-Jan-09 14:00	22-Jan-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	23-Jan-09	23-Jan-09	9011538	
Volatile Organic Compounds											
Prepared by method SW846 5035A Soil (low level)					Initial weight: 5.88 g						
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	5.5	1	SW846 8260B	26-Jan-09	26-Jan-09	9011610	X
67-64-1	Acetone	BRL		µg/kg dry	55.3	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	11.1	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	55.3	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	27.6	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	11.1	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	5.5	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	11.1	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	11.1	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	11.1	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	55.3	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	55.3	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	55.3	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	5.5	1	"	"	"	"	X

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-B45 SA90179-01	127-17797-08011	Soil	21-Jan-09 14:00	22-Jan-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: 5.88 g						
103-65-1	n-Propylbenzene	BRL		µg/kg dry	5.5	1	SW846 8260B	26-Jan-09	26-Jan-09	9011610	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	11.1	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	5.5	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	55.3	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	55.3	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	111	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	27.6	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	2210	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*86*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*88*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*121*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*103*		*70-130 %*			"	"	"	"	
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
83-32-9	Acenaphthene	BRL		µg/kg dry	373	1	SW846 8270C	26-Jan-09	27-Jan-09	9011586	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	373	1	"	"	"	"	X
62-53-3	Aniline	BRL		µg/kg dry	373	1	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	373	1	"	"	"	"	X
1912-24-9	Atrazine	BRL		µg/kg dry	373	1	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/kg dry	373	1	"	"	"	"	
92-87-5	Benzidine	BRL		µg/kg dry	373	1	"	"	"	"	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	373	1	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	373	1	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	373	1	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	373	1	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	373	1	"	"	"	"	X
65-85-0	Benzoic acid	BRL		µg/kg dry	373	1	"	"	"	"	X
100-51-6	Benzyl alcohol	BRL		µg/kg dry	373	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-B45 SA90179-01	127-17797-08011	Soil	21-Jan-09 14:00	22-Jan-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 3550B											
111-91-1	Bis(2-chloroethoxy)methane	BRL		µg/kg dry	373	1	SW846 8270C	26-Jan-09	27-Jan-09	9011586	X
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/kg dry	373	1	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	373	1	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	373	1	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/kg dry	373	1	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	BRL		µg/kg dry	373	1	"	"	"	"	X
86-74-8	Carbazole	BRL		µg/kg dry	373	1	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	BRL		µg/kg dry	373	1	"	"	"	"	X
106-47-8	4-Chloroaniline	BRL		µg/kg dry	373	1	"	"	"	"	X
91-58-7	2-Chloronaphthalene	BRL		µg/kg dry	373	1	"	"	"	"	X
95-57-8	2-Chlorophenol	BRL		µg/kg dry	373	1	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/kg dry	373	1	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	373	1	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	373	1	"	"	"	"	X
132-64-9	Dibenzofuran	BRL		µg/kg dry	373	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	373	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	373	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	373	1	"	"	"	"	X
91-94-1	3,3'-Dichlorobenzidine	BRL		µg/kg dry	373	1	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	BRL		µg/kg dry	373	1	"	"	"	"	X
84-66-2	Diethyl phthalate	BRL		µg/kg dry	373	1	"	"	"	"	X
131-11-3	Dimethyl phthalate	BRL		µg/kg dry	373	1	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	BRL		µg/kg dry	373	1	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	BRL		µg/kg dry	373	1	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	373	1	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	BRL		µg/kg dry	373	1	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	BRL		µg/kg dry	373	1	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	BRL		µg/kg dry	373	1	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	BRL		µg/kg dry	373	1	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	373	1	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	373	1	"	"	"	"	X
118-74-1	Hexachlorobenzene	BRL		µg/kg dry	373	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	373	1	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	BRL		µg/kg dry	373	1	"	"	"	"	X
67-72-1	Hexachloroethane	BRL		µg/kg dry	373	1	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	373	1	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	373	1	"	"	"	"	
78-59-1	Isophorone	BRL		µg/kg dry	373	1	"	"	"	"	X
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	373	1	"	"	"	"	X
95-48-7	2-Methylphenol	BRL		µg/kg dry	373	1	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	BRL		µg/kg dry	373	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	373	1	"	"	"	"	X
88-74-4	2-Nitroaniline	BRL		µg/kg dry	373	1	"	"	"	"	X
99-09-2	3-Nitroaniline	BRL		µg/kg dry	373	1	"	"	"	"	X
100-01-6	4-Nitroaniline	BRL		µg/kg dry	1490	1	"	"	"	"	X
98-95-3	Nitrobenzene	BRL		µg/kg dry	373	1	"	"	"	"	X
88-75-5	2-Nitrophenol	BRL		µg/kg dry	373	1	"	"	"	"	X
100-02-7	4-Nitrophenol	BRL		µg/kg dry	1490	1	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	BRL		µg/kg dry	373	1	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/kg dry	373	1	"	"	"	"	X

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-B45 SA90179-01	127-17797-08011	Soil	21-Jan-09 14:00	22-Jan-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 3550B											
86-30-6	N-Nitrosodiphenylamine	BRL		µg/kg dry	373	1	SW846 8270C	26-Jan-09	27-Jan-09	9011586	X
87-86-5	Pentachlorophenol	BRL		µg/kg dry	373	1	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	373	1	"	"	"	"	X
108-95-2	Phenol	BRL		µg/kg dry	373	1	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	373	1	"	"	"	"	X
110-86-1	Pyridine	BRL		µg/kg dry	373	1	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	373	1	"	"	"	"	X
95-95-4	2,4,5-Trichlorophenol	BRL		µg/kg dry	373	1	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	BRL		µg/kg dry	373	1	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	BRL		µg/kg dry	373	1	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	373	1	"	"	"	"	X
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*82*		*30-130 %*			"	"	"	"	
367-12-4	*2-Fluorophenol*	*76*		*15-110 %*			"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*78*		*30-130 %*			"	"	"	"	
4165-62-2	*Phenol-d5*	*78*		*15-110 %*			"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*84*		*30-130 %*			"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*72*		*15-110 %*			"	"	"	"	
Semivolatile Organic Compounds by GC											
Polychlorinated Biphenyls by SW846 8082											
Prepared by method SW846 3550B											
12674-11-2	PCB 1016	BRL		µg/kg dry	21.4	1	SW846 8082	26-Jan-09	27-Jan-09	9011590	X
11104-28-2	PCB 1221	BRL		µg/kg dry	21.4	1	"	"	"	"	X
11141-16-5	PCB 1232	BRL		µg/kg dry	21.4	1	"	"	"	"	X
53469-21-9	PCB 1242	BRL		µg/kg dry	21.4	1	"	"	"	"	X
12672-29-6	PCB 1248	BRL		µg/kg dry	21.4	1	"	"	"	"	X
11097-69-1	PCB 1254	BRL		µg/kg dry	21.4	1	"	"	"	"	X
11096-82-5	PCB 1260	BRL		µg/kg dry	21.4	1	"	"	"	"	X
37324-23-5	PCB 1262	BRL		µg/kg dry	21.4	1	"	"	"	"	X
11100-14-4	PCB 1268	BRL		µg/kg dry	21.4	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*99*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*64*		*30-150 %*			"	"	"	"	
Chlorinated Herbicides by SW846 8151A											
Prepared by method SW846 3550B											
93-76-5	2,4,5-T	BRL		µg/kg dry	6.70	1	SW846 8151A	27-Jan-09	28-Jan-09	9011686	X
93-72-1	2,4,5-TP (Silvex)	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-75-7	2,4-D	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-82-6	2,4-DB	BRL		µg/kg dry	6.70	1	"	"	"	"	X
75-99-0	Dalapon	BRL		µg/kg dry	6.70	1	"	"	"	"	X
1918-00-9	Dicamba	BRL		µg/kg dry	6.70	1	"	"	"	"	X
120-36-5	Dichlorprop	BRL		µg/kg dry	6.70	1	"	"	"	"	X
88-85-7	Dinoseb	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-74-6	MCPA	BRL		µg/kg dry	670	1	"	"	"	"	X
94-81-5	MCPB	BRL		µg/kg dry	670	1	"	"	"	"	
93-65-2	MCPP	BRL		µg/kg dry	670	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*66*		*30-150 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-B45 SA90179-01	127-17797-08011	Soil	21-Jan-09 14:00	22-Jan-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 3550B											
8006-61-9	Gasoline	BRL		mg/kg dry	15.0	1	+CT ETPH	26-Jan-09	28-Jan-09	9011584	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	15.0	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	15.0	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	15.0	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	15.0	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	15.0	1	"	"	"	"	
	Unidentified	34.1		mg/kg dry	15.0	1	"	"	"	"	
	Other Oil	Calculated as		mg/kg dry	15.0	1	"	"	"	"	
	Total Petroleum Hydrocarbons	34.1		mg/kg dry	15.0	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	34.1		mg/kg dry	15.0	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*93*		*50-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	BRL		mg/kg dry	1.69	1	SW846 6010B	23-Jan-09	27-Jan-09	9011514	X
7440-38-2	Arsenic	10.1		mg/kg dry	1.69	1	"	"	"	"	X
7440-39-3	Barium	43.7		mg/kg dry	1.12	1	"	"	"	"	X
7440-43-9	Cadmium	BRL		mg/kg dry	0.562	1	"	"	"	"	X
7440-47-3	Chromium	8.68		mg/kg dry	1.12	1	"	"	"	"	X
7439-97-6	Mercury	0.0587		mg/kg dry	0.0305	1	SW846 7471A	"	26-Jan-09	9011515	X
7439-92-1	Lead	10.3		mg/kg dry	1.69	1	SW846 6010B	"	27-Jan-09	9011514	X
7782-49-2	Selenium	BRL		mg/kg dry	1.69	1	"	"	"	"	X
SPLP Metals by EPA 1312 & 6000/7000 Series Methods											
	SPLP Extraction	Completed		N/A		1	SW846 1312	05-Feb-09	05-Feb-09	9020429	
7440-38-2	Arsenic	BRL		mg/l	0.0080	1	SW846 1312/6010B	06-Feb-09	07-Feb-09	9020464	
7440-47-3	Chromium	BRL		mg/l	0.0100	1	"	"	"	"	
7439-92-1	Lead	BRL		mg/l	0.0150	1	"	"	"	"	
General Chemistry Parameters											
	% Solids	87.9		%		1	SM2540 G Mod.	23-Jan-09	23-Jan-09	9011547	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-B46 SA90179-02	127-17797-08011	Soil	21-Jan-09 13:30	22-Jan-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	23-Jan-09	23-Jan-09	9011538	
Volatile Organic Compounds											
Prepared by method SW846 5035A Soil (low level)					Initial weight: 5.55 g						
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	5.8	1	SW846 8260B	26-Jan-09	26-Jan-09	9011610	X
67-64-1	Acetone	BRL		µg/kg dry	57.9	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	5.8	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	5.8	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	5.8	1	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	5.8	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	5.8	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	5.8	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	11.6	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	57.9	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	5.8	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	5.8	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	5.8	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	28.9	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	5.8	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	5.8	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	11.6	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	5.8	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	11.6	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	5.8	1	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	5.8	1	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	11.6	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	5.8	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	5.8	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	5.8	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	5.8	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	5.8	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	5.8	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	11.6	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	5.8	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	5.8	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	5.8	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	5.8	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	5.8	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	5.8	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	5.8	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	5.8	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	5.8	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	5.8	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	5.8	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	5.8	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	5.8	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	57.9	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	5.8	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	5.8	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	5.8	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	57.9	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	57.9	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	5.8	1	"	"	"	"	X

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-B46 SA90179-02	127-17797-08011	Soil	21-Jan-09 13:30	22-Jan-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: 5.55 g						
103-65-1	n-Propylbenzene	BRL		µg/kg dry	5.8	1	SW846 8260B	26-Jan-09	26-Jan-09	9011610	X
100-42-5	Styrene	BRL		µg/kg dry	5.8	1	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	5.8	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	5.8	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	5.8	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	5.8	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	5.8	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	5.8	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	5.8	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	5.8	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	5.8	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	5.8	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	5.8	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	5.8	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	5.8	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	5.8	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	5.8	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	11.6	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	5.8	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	57.9	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	5.8	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	5.8	1	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	5.8	1	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	5.8	1	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	57.9	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	116	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	28.9	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	2320	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*90*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*91*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*121*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*102*		*70-130 %*			"	"	"	"	
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
83-32-9	Acenaphthene	BRL		µg/kg dry	369	1	SW846 8270C	26-Jan-09	27-Jan-09	9011586	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	369	1	"	"	"	"	X
62-53-3	Aniline	BRL		µg/kg dry	369	1	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	369	1	"	"	"	"	X
1912-24-9	Atrazine	BRL		µg/kg dry	369	1	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/kg dry	369	1	"	"	"	"	
92-87-5	Benzidine	BRL		µg/kg dry	369	1	"	"	"	"	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	369	1	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	369	1	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	369	1	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	369	1	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	369	1	"	"	"	"	X
65-85-0	Benzoic acid	BRL		µg/kg dry	369	1	"	"	"	"	X
100-51-6	Benzyl alcohol	BRL		µg/kg dry	369	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-B46 SA90179-02	127-17797-08011	Soil	21-Jan-09 13:30	22-Jan-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 3550B											
111-91-1	Bis(2-chloroethoxy)methane	BRL		µg/kg dry	369	1	SW846 8270C	26-Jan-09	27-Jan-09	9011586	X
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/kg dry	369	1	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	369	1	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	369	1	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/kg dry	369	1	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	BRL		µg/kg dry	369	1	"	"	"	"	X
86-74-8	Carbazole	BRL		µg/kg dry	369	1	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	BRL		µg/kg dry	369	1	"	"	"	"	X
106-47-8	4-Chloroaniline	BRL		µg/kg dry	369	1	"	"	"	"	X
91-58-7	2-Chloronaphthalene	BRL		µg/kg dry	369	1	"	"	"	"	X
95-57-8	2-Chlorophenol	BRL		µg/kg dry	369	1	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/kg dry	369	1	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	369	1	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	369	1	"	"	"	"	X
132-64-9	Dibenzofuran	BRL		µg/kg dry	369	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	369	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	369	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	369	1	"	"	"	"	X
91-94-1	3,3'-Dichlorobenzidine	BRL		µg/kg dry	369	1	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	BRL		µg/kg dry	369	1	"	"	"	"	X
84-66-2	Diethyl phthalate	BRL		µg/kg dry	369	1	"	"	"	"	X
131-11-3	Dimethyl phthalate	BRL		µg/kg dry	369	1	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	BRL		µg/kg dry	369	1	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	BRL		µg/kg dry	369	1	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	369	1	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	BRL		µg/kg dry	369	1	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	BRL		µg/kg dry	369	1	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	BRL		µg/kg dry	369	1	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	BRL		µg/kg dry	369	1	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	369	1	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	369	1	"	"	"	"	X
118-74-1	Hexachlorobenzene	BRL		µg/kg dry	369	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	369	1	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	BRL		µg/kg dry	369	1	"	"	"	"	X
67-72-1	Hexachloroethane	BRL		µg/kg dry	369	1	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	369	1	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	369	1	"	"	"	"	
78-59-1	Isophorone	BRL		µg/kg dry	369	1	"	"	"	"	X
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	369	1	"	"	"	"	X
95-48-7	2-Methylphenol	BRL		µg/kg dry	369	1	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	BRL		µg/kg dry	369	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	369	1	"	"	"	"	X
88-74-4	2-Nitroaniline	BRL		µg/kg dry	369	1	"	"	"	"	X
99-09-2	3-Nitroaniline	BRL		µg/kg dry	369	1	"	"	"	"	X
100-01-6	4-Nitroaniline	BRL		µg/kg dry	1480	1	"	"	"	"	X
98-95-3	Nitrobenzene	BRL		µg/kg dry	369	1	"	"	"	"	X
88-75-5	2-Nitrophenol	BRL		µg/kg dry	369	1	"	"	"	"	X
100-02-7	4-Nitrophenol	BRL		µg/kg dry	1480	1	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	BRL		µg/kg dry	369	1	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/kg dry	369	1	"	"	"	"	X

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-B46 SA90179-02	127-17797-08011	Soil	21-Jan-09 13:30	22-Jan-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 3550B											
86-30-6	N-Nitrosodiphenylamine	BRL		µg/kg dry	369	1	SW846 8270C	26-Jan-09	27-Jan-09	9011586	X
87-86-5	Pentachlorophenol	BRL		µg/kg dry	369	1	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	369	1	"	"	"	"	X
108-95-2	Phenol	BRL		µg/kg dry	369	1	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	369	1	"	"	"	"	X
110-86-1	Pyridine	BRL		µg/kg dry	369	1	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	369	1	"	"	"	"	X
95-95-4	2,4,5-Trichlorophenol	BRL		µg/kg dry	369	1	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	BRL		µg/kg dry	369	1	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	BRL		µg/kg dry	369	1	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	369	1	"	"	"	"	X
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*78*		*30-130 %*			"	"	"	"	
367-12-4	*2-Fluorophenol*	*69*		*15-110 %*			"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*73*		*30-130 %*			"	"	"	"	
4165-62-2	*Phenol-d5*	*76*		*15-110 %*			"	"	"	"	
1718-51-0	*Terphenyl-d14*	*78*		*30-130 %*			"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*64*		*15-110 %*			"	"	"	"	
Semivolatile Organic Compounds by GC											
Polychlorinated Biphenyls by SW846 8082											
Prepared by method SW846 3550B											
12674-11-2	PCB 1016	BRL		µg/kg dry	22.1	1	SW846 8082	26-Jan-09	27-Jan-09	9011590	X
11104-28-2	PCB 1221	BRL		µg/kg dry	22.1	1	"	"	"	"	X
11141-16-5	PCB 1232	BRL		µg/kg dry	22.1	1	"	"	"	"	X
53469-21-9	PCB 1242	BRL		µg/kg dry	22.1	1	"	"	"	"	X
12672-29-6	PCB 1248	BRL		µg/kg dry	22.1	1	"	"	"	"	X
11097-69-1	PCB 1254	BRL		µg/kg dry	22.1	1	"	"	"	"	X
11096-82-5	PCB 1260	BRL		µg/kg dry	22.1	1	"	"	"	"	X
37324-23-5	PCB 1262	BRL		µg/kg dry	22.1	1	"	"	"	"	X
11100-14-4	PCB 1268	BRL		µg/kg dry	22.1	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*95*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*59*		*30-150 %*			"	"	"	"	
Chlorinated Herbicides by SW846 8151A											
Prepared by method SW846 3550B											
93-76-5	2,4,5-T	BRL		µg/kg dry	6.70	1	SW846 8151A	27-Jan-09	28-Jan-09	9011686	X
93-72-1	2,4,5-TP (Silvex)	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-75-7	2,4-D	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-82-6	2,4-DB	BRL		µg/kg dry	6.70	1	"	"	"	"	X
75-99-0	Dalapon	BRL		µg/kg dry	6.70	1	"	"	"	"	X
1918-00-9	Dicamba	BRL		µg/kg dry	6.70	1	"	"	"	"	X
120-36-5	Dichlorprop	BRL		µg/kg dry	6.70	1	"	"	"	"	X
88-85-7	Dinoseb	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-74-6	MCPA	BRL		µg/kg dry	670	1	"	"	"	"	X
94-81-5	MCPB	BRL		µg/kg dry	670	1	"	"	"	"	
93-65-2	MCPP	BRL		µg/kg dry	670	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*81*		*30-150 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-B46 SA90179-02	127-17797-08011	Soil	21-Jan-09 13:30	22-Jan-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 3550B											
8006-61-9	Gasoline	BRL		mg/kg dry	14.9	1	+CT ETPH	26-Jan-09	28-Jan-09	9011584	
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	BRL		mg/kg dry	14.9	1	"	"	"	"	
	Other Oil	BRL		mg/kg dry	14.9	1	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL		mg/kg dry	14.9	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	14.9	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*90*		*50-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	BRL		mg/kg dry	1.58	1	SW846 6010B	23-Jan-09	28-Jan-09	9011514	X
7440-38-2	Arsenic	1.59		mg/kg dry	1.58	1	"	"	"	"	X
7440-39-3	Barium	43.2		mg/kg dry	1.05	1	"	"	"	"	X
7440-43-9	Cadmium	BRL		mg/kg dry	0.527	1	"	"	"	"	X
7440-47-3	Chromium	9.71		mg/kg dry	1.05	1	"	"	"	"	X
7439-97-6	Mercury	BRL		mg/kg dry	0.0300	1	SW846 7471A	"	26-Jan-09	9011515	X
7439-92-1	Lead	9.01		mg/kg dry	1.58	1	SW846 6010B	"	28-Jan-09	9011514	X
7782-49-2	Selenium	1.59		mg/kg dry	1.58	1	"	"	"	"	X
General Chemistry Parameters											
	% Solids	88.1		%		1	SM2540 G Mod.	23-Jan-09	23-Jan-09	9011547	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-D1	127-17797-08011	Soil	21-Jan-09 11:55	22-Jan-09
SA90179-03				

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	23-Jan-09	23-Jan-09	9011538	
Volatile Organic Compounds											
Prepared by method SW846 5035A Soil (low level)					Initial weight: 3.94 g						
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	7.5	1	SW846 8260B	26-Jan-09	26-Jan-09	9011610	X
67-64-1	Acetone	BRL		µg/kg dry	75.5	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	7.5	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	7.5	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	7.5	1	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	7.5	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	7.5	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	7.5	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	15.1	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	75.5	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	7.5	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	7.5	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	7.5	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	37.7	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	7.5	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	7.5	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	15.1	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	7.5	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	15.1	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	7.5	1	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	7.5	1	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	15.1	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	7.5	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	7.5	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	7.5	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	7.5	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	7.5	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	7.5	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	15.1	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	7.5	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	7.5	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	7.5	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	7.5	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	7.5	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	7.5	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	7.5	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	7.5	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	7.5	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	7.5	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	7.5	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	7.5	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	7.5	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	75.5	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	7.5	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	7.5	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	7.5	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	75.5	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	75.5	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	7.5	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-D1 SA90179-03	127-17797-08011	Soil	21-Jan-09 11:55	22-Jan-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: 3.94 g						
103-65-1	n-Propylbenzene	BRL		µg/kg dry	7.5	1	SW846 8260B	26-Jan-09	26-Jan-09	9011610	X
100-42-5	Styrene	BRL		µg/kg dry	7.5	1	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	7.5	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	7.5	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	7.5	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	7.5	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	7.5	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	7.5	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	7.5	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	7.5	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	7.5	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	7.5	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	7.5	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	7.5	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	7.5	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	7.5	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	7.5	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	15.1	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	7.5	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	75.5	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	7.5	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	7.5	1	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	7.5	1	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	7.5	1	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	75.5	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	151	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	37.7	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	3020	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*88*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*90*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*117*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*102*		*70-130 %*			"	"	"	"	
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
83-32-9	Acenaphthene	BRL		µg/kg dry	363	1	SW846 8270C	26-Jan-09	27-Jan-09	9011586	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	363	1	"	"	"	"	X
62-53-3	Aniline	BRL		µg/kg dry	363	1	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	363	1	"	"	"	"	X
1912-24-9	Atrazine	BRL		µg/kg dry	363	1	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/kg dry	363	1	"	"	"	"	
92-87-5	Benzidine	BRL		µg/kg dry	363	1	"	"	"	"	X
56-55-3	Benzo (a) anthracene	425		µg/kg dry	363	1	"	"	"	"	X
50-32-8	Benzo (a) pyrene	374		µg/kg dry	363	1	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	378		µg/kg dry	363	1	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	363	1	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	492		µg/kg dry	363	1	"	"	"	"	X
65-85-0	Benzoic acid	BRL		µg/kg dry	363	1	"	"	"	"	X
100-51-6	Benzyl alcohol	BRL		µg/kg dry	363	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-D1	127-17797-08011	Soil	21-Jan-09 11:55	22-Jan-09
SA90179-03				

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 3550B											
111-91-1	Bis(2-chloroethoxy)methane	BRL		µg/kg dry	363	1	SW846 8270C	26-Jan-09	27-Jan-09	9011586	X
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/kg dry	363	1	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	363	1	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	363	1	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/kg dry	363	1	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	BRL		µg/kg dry	363	1	"	"	"	"	X
86-74-8	Carbazole	BRL		µg/kg dry	363	1	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	BRL		µg/kg dry	363	1	"	"	"	"	X
106-47-8	4-Chloroaniline	BRL		µg/kg dry	363	1	"	"	"	"	X
91-58-7	2-Chloronaphthalene	BRL		µg/kg dry	363	1	"	"	"	"	X
95-57-8	2-Chlorophenol	BRL		µg/kg dry	363	1	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/kg dry	363	1	"	"	"	"	X
218-01-9	Chrysene	523		µg/kg dry	363	1	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	363	1	"	"	"	"	X
132-64-9	Dibenzofuran	BRL		µg/kg dry	363	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	363	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	363	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	363	1	"	"	"	"	X
91-94-1	3,3'-Dichlorobenzidine	BRL		µg/kg dry	363	1	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	BRL		µg/kg dry	363	1	"	"	"	"	X
84-66-2	Diethyl phthalate	BRL		µg/kg dry	363	1	"	"	"	"	X
131-11-3	Dimethyl phthalate	BRL		µg/kg dry	363	1	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	BRL		µg/kg dry	363	1	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	BRL		µg/kg dry	363	1	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	363	1	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	BRL		µg/kg dry	363	1	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	BRL		µg/kg dry	363	1	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	BRL		µg/kg dry	363	1	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	BRL		µg/kg dry	363	1	"	"	"	"	X
206-44-0	Fluoranthene	1,150		µg/kg dry	363	1	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	363	1	"	"	"	"	X
118-74-1	Hexachlorobenzene	BRL		µg/kg dry	363	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	363	1	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	BRL		µg/kg dry	363	1	"	"	"	"	X
67-72-1	Hexachloroethane	BRL		µg/kg dry	363	1	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	363	1	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	363	1	"	"	"	"	
78-59-1	Isophorone	BRL		µg/kg dry	363	1	"	"	"	"	X
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	363	1	"	"	"	"	X
95-48-7	2-Methylphenol	BRL		µg/kg dry	363	1	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	BRL		µg/kg dry	363	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	363	1	"	"	"	"	X
88-74-4	2-Nitroaniline	BRL		µg/kg dry	363	1	"	"	"	"	X
99-09-2	3-Nitroaniline	BRL		µg/kg dry	363	1	"	"	"	"	X
100-01-6	4-Nitroaniline	BRL		µg/kg dry	1450	1	"	"	"	"	X
98-95-3	Nitrobenzene	BRL		µg/kg dry	363	1	"	"	"	"	X
88-75-5	2-Nitrophenol	BRL		µg/kg dry	363	1	"	"	"	"	X
100-02-7	4-Nitrophenol	BRL		µg/kg dry	1450	1	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	BRL		µg/kg dry	363	1	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/kg dry	363	1	"	"	"	"	X

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-D1 SA90179-03	127-17797-08011	Soil	21-Jan-09 11:55	22-Jan-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 3550B											
86-30-6	N-Nitrosodiphenylamine	BRL		µg/kg dry	363	1	SW846 8270C	26-Jan-09	27-Jan-09	9011586	X
87-86-5	Pentachlorophenol	BRL		µg/kg dry	363	1	"	"	"	"	X
85-01-8	Phenanthrene	891		µg/kg dry	363	1	"	"	"	"	X
108-95-2	Phenol	BRL		µg/kg dry	363	1	"	"	"	"	X
129-00-0	Pyrene	1,170		µg/kg dry	363	1	"	"	"	"	X
110-86-1	Pyridine	BRL		µg/kg dry	363	1	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	363	1	"	"	"	"	X
95-95-4	2,4,5-Trichlorophenol	BRL		µg/kg dry	363	1	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	BRL		µg/kg dry	363	1	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	BRL		µg/kg dry	363	1	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	363	1	"	"	"	"	X
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*79*		*30-130 %*			"	"	"	"	
367-12-4	*2-Fluorophenol*	*68*		*15-110 %*			"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*75*		*30-130 %*			"	"	"	"	
4165-62-2	*Phenol-d5*	*73*		*15-110 %*			"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*86*		*30-130 %*			"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*70*		*15-110 %*			"	"	"	"	
Semivolatile Organic Compounds by GC											
Polychlorinated Biphenyls by SW846 8082											
Prepared by method SW846 3550B											
12674-11-2	PCB 1016	BRL		µg/kg dry	21.7	1	SW846 8082	26-Jan-09	27-Jan-09	9011590	X
11104-28-2	PCB 1221	BRL		µg/kg dry	21.7	1	"	"	"	"	X
11141-16-5	PCB 1232	BRL		µg/kg dry	21.7	1	"	"	"	"	X
53469-21-9	PCB 1242	BRL		µg/kg dry	21.7	1	"	"	"	"	X
12672-29-6	PCB 1248	BRL		µg/kg dry	21.7	1	"	"	"	"	X
11097-69-1	PCB 1254	BRL		µg/kg dry	21.7	1	"	"	"	"	X
11096-82-5	PCB 1260	BRL		µg/kg dry	21.7	1	"	"	"	"	X
37324-23-5	PCB 1262	BRL		µg/kg dry	21.7	1	"	"	"	"	X
11100-14-4	PCB 1268	BRL		µg/kg dry	21.7	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*98*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*64*		*30-150 %*			"	"	"	"	
Chlorinated Herbicides by SW846 8151A											
Prepared by method SW846 3550B											
93-76-5	2,4,5-T	BRL		µg/kg dry	6.70	1	SW846 8151A	27-Jan-09	28-Jan-09	9011686	X
93-72-1	2,4,5-TP (Silvex)	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-75-7	2,4-D	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-82-6	2,4-DB	BRL		µg/kg dry	6.70	1	"	"	"	"	X
75-99-0	Dalapon	BRL		µg/kg dry	6.70	1	"	"	"	"	X
1918-00-9	Dicamba	BRL		µg/kg dry	6.70	1	"	"	"	"	X
120-36-5	Dichlorprop	BRL		µg/kg dry	6.70	1	"	"	"	"	X
88-85-7	Dinoseb	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-74-6	MCPA	BRL		µg/kg dry	670	1	"	"	"	"	X
94-81-5	MCPB	BRL		µg/kg dry	670	1	"	"	"	"	
93-65-2	MCPP	BRL		µg/kg dry	670	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*56*		*30-150 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-D1	127-17797-08011	Soil	21-Jan-09 11:55	22-Jan-09
SA90179-03				

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 3550B											
8006-61-9	Gasoline	BRL		mg/kg dry	14.6	1	+CT ETPH	26-Jan-09	28-Jan-09	9011584	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	14.6	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	14.6	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	14.6	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	14.6	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	14.6	1	"	"	"	"	
	Unidentified	81.5		mg/kg dry	14.6	1	"	"	"	"	
	Other Oil	Calculated as		mg/kg dry	14.6	1	"	"	"	"	
	Total Petroleum Hydrocarbons	81.5		mg/kg dry	14.6	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	81.5		mg/kg dry	14.6	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*87*		*50-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	BRL		mg/kg dry	1.48	1	SW846 6010B	23-Jan-09	28-Jan-09	9011514	X
7440-38-2	Arsenic	4.08		mg/kg dry	1.48	1	"	"	"	"	X
7440-39-3	Barium	67.2		mg/kg dry	0.984	1	"	"	"	"	X
7440-43-9	Cadmium	BRL		mg/kg dry	0.492	1	"	"	"	"	X
7440-47-3	Chromium	10.9		mg/kg dry	0.984	1	"	"	"	"	X
7439-97-6	Mercury	0.190		mg/kg dry	0.0297	1	SW846 7471A	"	26-Jan-09	9011515	X
7439-92-1	Lead	56.7		mg/kg dry	1.48	1	SW846 6010B	"	28-Jan-09	9011514	X
7782-49-2	Selenium	1.95		mg/kg dry	1.48	1	"	"	"	"	X
General Chemistry Parameters											
	% Solids	90.4		%		1	SM2540 G Mod.	23-Jan-09	23-Jan-09	9011547	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-D2 SA90179-04	127-17797-08011	Soil	21-Jan-09 11:25	22-Jan-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	23-Jan-09	23-Jan-09	9011538	
Volatile Organic Compounds					Initial weight: 6.05 g						
Prepared by method SW846 5035A Soil (low level)											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	5.2	1	SW846 8260B	26-Jan-09	26-Jan-09	9011610	X
67-64-1	Acetone	BRL		µg/kg dry	52.4	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	10.5	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	52.4	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	26.2	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	10.5	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	5.2	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	10.5	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	10.5	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	10.5	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	52.4	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	52.4	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	52.4	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	5.2	1	"	"	"	"	X

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-D2 SA90179-04	127-17797-08011	Soil	21-Jan-09 11:25	22-Jan-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: 6.05 g						
103-65-1	n-Propylbenzene	BRL		µg/kg dry	5.2	1	SW846 8260B	26-Jan-09	26-Jan-09	9011610	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	10.5	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	5.2	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	52.4	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	52.4	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	105	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	26.2	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	2090	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*88*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*92*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*126*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*105*		*70-130 %*			"	"	"	"	
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
83-32-9	Acenaphthene	BRL		µg/kg dry	367	1	SW846 8270C	26-Jan-09	27-Jan-09	9011586	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	367	1	"	"	"	"	X
62-53-3	Aniline	BRL		µg/kg dry	367	1	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	367	1	"	"	"	"	X
1912-24-9	Atrazine	BRL		µg/kg dry	367	1	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/kg dry	367	1	"	"	"	"	
92-87-5	Benzidine	BRL		µg/kg dry	367	1	"	"	"	"	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	367	1	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	367	1	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	367	1	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	367	1	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	367	1	"	"	"	"	X
65-85-0	Benzoic acid	BRL		µg/kg dry	367	1	"	"	"	"	X
100-51-6	Benzyl alcohol	BRL		µg/kg dry	367	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-D2 SA90179-04	127-17797-08011	Soil	21-Jan-09 11:25	22-Jan-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 3550B											
111-91-1	Bis(2-chloroethoxy)methane	BRL		µg/kg dry	367	1	SW846 8270C	26-Jan-09	27-Jan-09	9011586	X
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/kg dry	367	1	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	367	1	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	367	1	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/kg dry	367	1	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	BRL		µg/kg dry	367	1	"	"	"	"	X
86-74-8	Carbazole	BRL		µg/kg dry	367	1	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	BRL		µg/kg dry	367	1	"	"	"	"	X
106-47-8	4-Chloroaniline	BRL		µg/kg dry	367	1	"	"	"	"	X
91-58-7	2-Chloronaphthalene	BRL		µg/kg dry	367	1	"	"	"	"	X
95-57-8	2-Chlorophenol	BRL		µg/kg dry	367	1	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/kg dry	367	1	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	367	1	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	367	1	"	"	"	"	X
132-64-9	Dibenzofuran	BRL		µg/kg dry	367	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	367	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	367	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	367	1	"	"	"	"	X
91-94-1	3,3'-Dichlorobenzidine	BRL		µg/kg dry	367	1	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	BRL		µg/kg dry	367	1	"	"	"	"	X
84-66-2	Diethyl phthalate	BRL		µg/kg dry	367	1	"	"	"	"	X
131-11-3	Dimethyl phthalate	BRL		µg/kg dry	367	1	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	BRL		µg/kg dry	367	1	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	BRL		µg/kg dry	367	1	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	367	1	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	BRL		µg/kg dry	367	1	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	BRL		µg/kg dry	367	1	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	BRL		µg/kg dry	367	1	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	BRL		µg/kg dry	367	1	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	367	1	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	367	1	"	"	"	"	X
118-74-1	Hexachlorobenzene	BRL		µg/kg dry	367	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	367	1	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	BRL		µg/kg dry	367	1	"	"	"	"	X
67-72-1	Hexachloroethane	BRL		µg/kg dry	367	1	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	367	1	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	367	1	"	"	"	"	
78-59-1	Isophorone	BRL		µg/kg dry	367	1	"	"	"	"	X
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	367	1	"	"	"	"	X
95-48-7	2-Methylphenol	BRL		µg/kg dry	367	1	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	BRL		µg/kg dry	367	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	367	1	"	"	"	"	X
88-74-4	2-Nitroaniline	BRL		µg/kg dry	367	1	"	"	"	"	X
99-09-2	3-Nitroaniline	BRL		µg/kg dry	367	1	"	"	"	"	X
100-01-6	4-Nitroaniline	BRL		µg/kg dry	1470	1	"	"	"	"	X
98-95-3	Nitrobenzene	BRL		µg/kg dry	367	1	"	"	"	"	X
88-75-5	2-Nitrophenol	BRL		µg/kg dry	367	1	"	"	"	"	X
100-02-7	4-Nitrophenol	BRL		µg/kg dry	1470	1	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	BRL		µg/kg dry	367	1	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/kg dry	367	1	"	"	"	"	X

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-D2 SA90179-04	127-17797-08011	Soil	21-Jan-09 11:25	22-Jan-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 3550B											
86-30-6	N-Nitrosodiphenylamine	BRL		µg/kg dry	367	1	SW846 8270C	26-Jan-09	27-Jan-09	9011586	X
87-86-5	Pentachlorophenol	BRL		µg/kg dry	367	1	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	367	1	"	"	"	"	X
108-95-2	Phenol	BRL		µg/kg dry	367	1	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	367	1	"	"	"	"	X
110-86-1	Pyridine	BRL		µg/kg dry	367	1	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	367	1	"	"	"	"	X
95-95-4	2,4,5-Trichlorophenol	BRL		µg/kg dry	367	1	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	BRL		µg/kg dry	367	1	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	BRL		µg/kg dry	367	1	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	367	1	"	"	"	"	X
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*70*		*30-130 %*			"	"	"	"	
367-12-4	*2-Fluorophenol*	*64*		*15-110 %*			"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*67*		*30-130 %*			"	"	"	"	
4165-62-2	*Phenol-d5*	*70*		*15-110 %*			"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*80*		*30-130 %*			"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*65*		*15-110 %*			"	"	"	"	
Semivolatile Organic Compounds by GC											
Polychlorinated Biphenyls by SW846 8082											
Prepared by method SW846 3550B											
12674-11-2	PCB 1016	BRL		µg/kg dry	21.7	1	SW846 8082	26-Jan-09	27-Jan-09	9011590	X
11104-28-2	PCB 1221	BRL		µg/kg dry	21.7	1	"	"	"	"	X
11141-16-5	PCB 1232	BRL		µg/kg dry	21.7	1	"	"	"	"	X
53469-21-9	PCB 1242	BRL		µg/kg dry	21.7	1	"	"	"	"	X
12672-29-6	PCB 1248	BRL		µg/kg dry	21.7	1	"	"	"	"	X
11097-69-1	PCB 1254	BRL		µg/kg dry	21.7	1	"	"	"	"	X
11096-82-5	PCB 1260	BRL		µg/kg dry	21.7	1	"	"	"	"	X
37324-23-5	PCB 1262	BRL		µg/kg dry	21.7	1	"	"	"	"	X
11100-14-4	PCB 1268	BRL		µg/kg dry	21.7	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*94*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*50*		*30-150 %*			"	"	"	"	
Chlorinated Herbicides by SW846 8151A											
Prepared by method SW846 3550B											
93-76-5	2,4,5-T	BRL		µg/kg dry	6.70	1	SW846 8151A	27-Jan-09	28-Jan-09	9011686	X
93-72-1	2,4,5-TP (Silvex)	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-75-7	2,4-D	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-82-6	2,4-DB	BRL		µg/kg dry	6.70	1	"	"	"	"	X
75-99-0	Dalapon	BRL		µg/kg dry	6.70	1	"	"	"	"	X
1918-00-9	Dicamba	BRL		µg/kg dry	6.70	1	"	"	"	"	X
120-36-5	Dichlorprop	BRL		µg/kg dry	6.70	1	"	"	"	"	X
88-85-7	Dinoseb	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-74-6	MCPA	BRL		µg/kg dry	670	1	"	"	"	"	X
94-81-5	MCPB	BRL		µg/kg dry	670	1	"	"	"	"	
93-65-2	MCPP	BRL		µg/kg dry	670	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*75*		*30-150 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-D2 SA90179-04	127-17797-08011	Soil	21-Jan-09 11:25	22-Jan-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 3550B											
8008-61-9	Gasoline	BRL		mg/kg dry	14.8	1	+CT ETPH	26-Jan-09	28-Jan-09	9011584	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	14.8	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	14.8	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	14.8	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	14.8	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	14.8	1	"	"	"	"	
	Unidentified	BRL		mg/kg dry	14.8	1	"	"	"	"	
	Other Oil	BRL		mg/kg dry	14.8	1	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL		mg/kg dry	14.8	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	14.8	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*81*		*50-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	BRL		mg/kg dry	1.46	1	SW846 6010B	23-Jan-09	28-Jan-09	9011514	X
7440-38-2	Arsenic	7.27		mg/kg dry	1.46	1	"	"	"	"	X
7440-39-3	Barium	52.3		mg/kg dry	0.975	1	"	"	"	"	X
7440-43-9	Cadmium	BRL		mg/kg dry	0.487	1	"	"	"	"	X
7440-47-3	Chromium	10.4		mg/kg dry	0.975	1	"	"	"	"	X
7439-97-6	Mercury	0.128		mg/kg dry	0.0305	1	SW846 7471A	"	26-Jan-09	9011515	X
7439-92-1	Lead	52.3		mg/kg dry	1.46	1	SW846 6010B	"	28-Jan-09	9011514	X
7782-49-2	Selenium	1.80		mg/kg dry	1.46	1	"	"	"	"	X
General Chemistry Parameters											
	% Solids	89.2		%		1	SM2540 G Mod.	23-Jan-09	23-Jan-09	9011547	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-D4	127-17797-08011	Soil	21-Jan-09 10:15	22-Jan-09
SA90179-05				

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	23-Jan-09	23-Jan-09	9011538	
Volatile Organic Compounds											
Prepared by method SW846 5035A Soil (low level)					Initial weight: 5.37 g						
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	7.6	1	SW846 8260B	26-Jan-09	26-Jan-09	9011610	X
67-64-1	Acetone	BRL		µg/kg dry	75.6	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	7.6	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	7.6	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	7.6	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	7.6	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	15.1	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	75.6	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	37.8	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	7.6	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	15.1	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	7.6	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	15.1	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	15.1	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	7.6	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	7.6	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	7.6	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	15.1	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	7.6	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	7.6	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	7.6	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	7.6	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	7.6	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	75.6	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	7.6	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	75.6	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	75.6	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	7.6	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-D4 SA90179-05	127-17797-08011	Soil	21-Jan-09 10:15	22-Jan-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: 5.37 g						
103-65-1	n-Propylbenzene	BRL		µg/kg dry	7.6	1	SW846 8260B	26-Jan-09	26-Jan-09	9011610	X
100-42-5	Styrene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	7.6	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	7.6	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	7.6	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	7.6	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	7.6	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	7.6	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	7.6	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	7.6	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	7.6	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	15.1	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	75.6	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	7.6	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	7.6	1	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	7.6	1	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	7.6	1	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	75.6	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	151	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	37.8	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	3020	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*88*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*92*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*128*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*105*		*70-130 %*			"	"	"	"	
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
83-32-9	Acenaphthene	BRL		µg/kg dry	425	1	SW846 8270C	26-Jan-09	27-Jan-09	9011586	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	425	1	"	"	"	"	X
62-53-3	Aniline	BRL		µg/kg dry	425	1	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	425	1	"	"	"	"	X
1912-24-9	Atrazine	BRL		µg/kg dry	425	1	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/kg dry	425	1	"	"	"	"	
92-87-5	Benzidine	BRL		µg/kg dry	425	1	"	"	"	"	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	425	1	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	425	1	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	425	1	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	425	1	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	425	1	"	"	"	"	X
65-85-0	Benzoic acid	BRL		µg/kg dry	425	1	"	"	"	"	X
100-51-6	Benzyl alcohol	BRL		µg/kg dry	425	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-D4 SA90179-05	127-17797-08011	Soil	21-Jan-09 10:15	22-Jan-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 3550B											
111-91-1	Bis(2-chloroethoxy)methane	BRL		µg/kg dry	425	1	SW846 8270C	26-Jan-09	27-Jan-09	9011586	X
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/kg dry	425	1	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	425	1	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	425	1	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/kg dry	425	1	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	BRL		µg/kg dry	425	1	"	"	"	"	X
86-74-8	Carbazole	BRL		µg/kg dry	425	1	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	BRL		µg/kg dry	425	1	"	"	"	"	X
106-47-8	4-Chloroaniline	BRL		µg/kg dry	425	1	"	"	"	"	X
91-58-7	2-Chloronaphthalene	BRL		µg/kg dry	425	1	"	"	"	"	X
95-57-8	2-Chlorophenol	BRL		µg/kg dry	425	1	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/kg dry	425	1	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	425	1	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	425	1	"	"	"	"	X
132-64-9	Dibenzofuran	BRL		µg/kg dry	425	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	425	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	425	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	425	1	"	"	"	"	X
91-94-1	3,3'-Dichlorobenzidine	BRL		µg/kg dry	425	1	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	BRL		µg/kg dry	425	1	"	"	"	"	X
84-66-2	Diethyl phthalate	BRL		µg/kg dry	425	1	"	"	"	"	X
131-11-3	Dimethyl phthalate	BRL		µg/kg dry	425	1	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	BRL		µg/kg dry	425	1	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	BRL		µg/kg dry	425	1	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	425	1	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	BRL		µg/kg dry	425	1	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	BRL		µg/kg dry	425	1	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	BRL		µg/kg dry	425	1	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	BRL		µg/kg dry	425	1	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	425	1	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	425	1	"	"	"	"	X
118-74-1	Hexachlorobenzene	BRL		µg/kg dry	425	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	425	1	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	BRL		µg/kg dry	425	1	"	"	"	"	X
67-72-1	Hexachloroethane	BRL		µg/kg dry	425	1	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	425	1	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	425	1	"	"	"	"	
78-59-1	Isophorone	BRL		µg/kg dry	425	1	"	"	"	"	X
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	425	1	"	"	"	"	X
95-48-7	2-Methylphenol	BRL		µg/kg dry	425	1	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	BRL		µg/kg dry	425	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	425	1	"	"	"	"	X
88-74-4	2-Nitroaniline	BRL		µg/kg dry	425	1	"	"	"	"	X
99-09-2	3-Nitroaniline	BRL		µg/kg dry	425	1	"	"	"	"	X
100-01-6	4-Nitroaniline	BRL		µg/kg dry	1700	1	"	"	"	"	X
98-95-3	Nitrobenzene	BRL		µg/kg dry	425	1	"	"	"	"	X
88-75-5	2-Nitrophenol	BRL		µg/kg dry	425	1	"	"	"	"	X
100-02-7	4-Nitrophenol	BRL		µg/kg dry	1700	1	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	BRL		µg/kg dry	425	1	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/kg dry	425	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-D4 SA90179-05	127-17797-08011	Soil	21-Jan-09 10:15	22-Jan-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 3550B											
86-30-6	N-Nitrosodiphenylamine	BRL		µg/kg dry	425	1	SW846 8270C	26-Jan-09	27-Jan-09	9011586	X
87-86-5	Pentachlorophenol	BRL		µg/kg dry	425	1	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	425	1	"	"	"	"	X
108-95-2	Phenol	BRL		µg/kg dry	425	1	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	425	1	"	"	"	"	X
110-86-1	Pyridine	BRL		µg/kg dry	425	1	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	425	1	"	"	"	"	X
95-95-4	2,4,5-Trichlorophenol	BRL		µg/kg dry	425	1	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	BRL		µg/kg dry	425	1	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	BRL		µg/kg dry	425	1	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	425	1	"	"	"	"	X
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*81*		*30-130 %*			"	"	"	"	
367-12-4	*2-Fluorophenol*	*79*		*15-110 %*			"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*81*		*30-130 %*			"	"	"	"	
4165-62-2	*Phenol-d5*	*70*		*15-110 %*			"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*73*		*30-130 %*			"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*73*		*15-110 %*			"	"	"	"	
Semivolatile Organic Compounds by GC											
Polychlorinated Biphenyls by SW846 8082											
Prepared by method SW846 3550B											
12674-11-2	PCB 1016	BRL		µg/kg dry	25.1	1	SW846 8082	26-Jan-09	27-Jan-09	9011590	X
11104-28-2	PCB 1221	BRL		µg/kg dry	25.1	1	"	"	"	"	X
11141-16-5	PCB 1232	BRL		µg/kg dry	25.1	1	"	"	"	"	X
53469-21-9	PCB 1242	BRL		µg/kg dry	25.1	1	"	"	"	"	X
12672-29-6	PCB 1248	BRL		µg/kg dry	25.1	1	"	"	"	"	X
11097-69-1	PCB 1254	BRL		µg/kg dry	25.1	1	"	"	"	"	X
11096-82-5	PCB 1260	BRL		µg/kg dry	25.1	1	"	"	"	"	X
37324-23-5	PCB 1262	BRL		µg/kg dry	25.1	1	"	"	"	"	X
11100-14-4	PCB 1268	BRL		µg/kg dry	25.1	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*94*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*58*		*30-150 %*			"	"	"	"	
Chlorinated Herbicides by SW846 8151A											
Prepared by method SW846 3550B											
93-76-5	2,4,5-T	BRL		µg/kg dry	6.70	1	SW846 8151A	27-Jan-09	28-Jan-09	9011686	X
93-72-1	2,4,5-TP (Silvex)	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-75-7	2,4-D	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-82-6	2,4-DB	BRL		µg/kg dry	6.70	1	"	"	"	"	X
75-99-0	Dalapon	BRL		µg/kg dry	6.70	1	"	"	"	"	X
1918-00-9	Dicamba	BRL		µg/kg dry	6.70	1	"	"	"	"	X
120-36-5	Dichlorprop	BRL		µg/kg dry	6.70	1	"	"	"	"	X
88-85-7	Dinoseb	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-74-6	MCPA	BRL		µg/kg dry	670	1	"	"	"	"	X
94-81-5	MCPB	BRL		µg/kg dry	670	1	"	"	"	"	
93-65-2	MCPP	BRL		µg/kg dry	670	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*67*		*30-150 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-D4	127-17797-08011	Soil	21-Jan-09 10:15	22-Jan-09
SA90179-05				

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 3550B											
8006-61-9	Gasoline	BRL		mg/kg dry	17.1	1	+CT ETPH	26-Jan-09	28-Jan-09	9011584	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	17.1	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	17.1	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	17.1	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	17.1	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	17.1	1	"	"	"	"	
	Unidentified	BRL		mg/kg dry	17.1	1	"	"	"	"	
	Other Oil	BRL		mg/kg dry	17.1	1	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL		mg/kg dry	17.1	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	17.1	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*87*		*50-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	BRL		mg/kg dry	1.87	1	SW846 6010B	23-Jan-09	28-Jan-09	9011514	X
7440-38-2	Arsenic	7.48		mg/kg dry	1.87	1	"	"	"	"	X
7440-39-3	Barium	181		mg/kg dry	1.25	1	"	"	"	"	X
7440-43-9	Cadmium	0.918		mg/kg dry	0.625	1	"	"	"	"	X
7440-47-3	Chromium	33.1		mg/kg dry	1.25	1	"	"	"	"	X
7439-97-6	Mercury	0.0667		mg/kg dry	0.0371	1	SW846 7471A	"	26-Jan-09	9011515	X
7439-92-1	Lead	43.8		mg/kg dry	1.87	1	SW846 6010B	"	28-Jan-09	9011514	X
7782-49-2	Selenium	4.84		mg/kg dry	1.87	1	"	"	"	"	X
General Chemistry Parameters											
	% Solids	76.9		%		1	SM2540 G Mod.	23-Jan-09	23-Jan-09	9011547	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-D5 SA90179-06	127-17797-08011	Soil	21-Jan-09 09:50	22-Jan-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	23-Jan-09	23-Jan-09	9011538	
Volatile Organic Compounds					Initial weight: 6.08 g						
Prepared by method SW846 5035A Soil (low level)											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	4.9	1	SW846 8260B	26-Jan-09	26-Jan-09	9011612	X
67-64-1	Acetone	BRL		µg/kg dry	49.1	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	4.9	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	4.9	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	4.9	1	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	4.9	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	4.9	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	4.9	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	9.8	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	49.1	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	4.9	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	4.9	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	4.9	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	24.5	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	4.9	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	4.9	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	9.8	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	4.9	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	9.8	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	4.9	1	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	4.9	1	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	9.8	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	4.9	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	4.9	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	4.9	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	4.9	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	4.9	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	4.9	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	9.8	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	4.9	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	4.9	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	4.9	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	4.9	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	4.9	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	4.9	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	4.9	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	4.9	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	4.9	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	4.9	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	4.9	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	4.9	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	4.9	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	49.1	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	4.9	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	4.9	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	4.9	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	49.1	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	49.1	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	4.9	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-D5	127-17797-08011	Soil	21-Jan-09 09:50	22-Jan-09
SA90179-06				

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: 6.08 g						
103-65-1	n-Propylbenzene	BRL		µg/kg dry	4.9	1	SW846 8260B	26-Jan-09	26-Jan-09	9011612	X
100-42-5	Styrene	BRL		µg/kg dry	4.9	1	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	4.9	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	4.9	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	4.9	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	4.9	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	4.9	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	4.9	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	4.9	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	4.9	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	4.9	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	4.9	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	4.9	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	4.9	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	4.9	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	4.9	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	4.9	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	9.8	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	4.9	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	49.1	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	4.9	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	4.9	1	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	4.9	1	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	4.9	1	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	49.1	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	98.1	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	24.5	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	1960	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*75*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*87*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*131*	SGC	*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*107*		*70-130 %*			"	"	"	"	
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
83-32-9	Acenaphthene	BRL		µg/kg dry	357	1	SW846 8270C	26-Jan-09	27-Jan-09	9011586	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	357	1	"	"	"	"	X
62-53-3	Aniline	BRL		µg/kg dry	357	1	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	357	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	357	1	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	357	1	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	357	1	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	357	1	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	357	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-D5 SA90179-06	127-17797-08011	Soil	21-Jan-09 09:50	22-Jan-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 3550B											
111-91-1	Bis(2-chloroethoxy)methane	BRL		µg/kg dry	357	1	SW846 8270C	26-Jan-09	27-Jan-09	9011586	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	357	1	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	357	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	357	1	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	357	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	357	1	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	357	1	"	"	"	"	
78-59-1	Isophorone	BRL		µg/kg dry	357	1	"	"	"	"	X
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	357	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	357	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

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-D5 SA90179-06	127-17797-08011	Soil	21-Jan-09 09:50	22-Jan-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 3550B											
86-30-6	N-Nitrosodiphenylamine	BRL		µg/kg dry	357	1	SW846 8270C	26-Jan-09	27-Jan-09	9011586	X
87-86-5	Pentachlorophenol	BRL		µg/kg dry	357	1	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	357	1	"	"	"	"	X
108-95-2	Phenol	BRL		µg/kg dry	357	1	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	357	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*	*61*		*30-130 %*			"	"	"	"	
367-12-4	*2-Fluorophenol*	*56*		*15-110 %*			"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*58*		*30-130 %*			"	"	"	"	
4165-62-2	*Phenol-d5*	*58*		*15-110 %*			"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*53*		*30-130 %*			"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*54*		*15-110 %*			"	"	"	"	
Semivolatile Organic Compounds by GC											
Polychlorinated Biphenyls by SW846 8082											
Prepared by method SW846 3550B											
12674-11-2	PCB 1016	BRL		µg/kg dry	21.6	1	SW846 8082	26-Jan-09	27-Jan-09	9011590	X
11104-28-2	PCB 1221	BRL		µg/kg dry	21.6	1	"	"	"	"	X
11141-16-5	PCB 1232	BRL		µg/kg dry	21.6	1	"	"	"	"	X
53469-21-9	PCB 1242	BRL		µg/kg dry	21.6	1	"	"	"	"	X
12672-29-6	PCB 1248	BRL		µg/kg dry	21.6	1	"	"	"	"	X
11097-69-1	PCB 1254	BRL		µg/kg dry	21.6	1	"	"	"	"	X
11096-82-5	PCB 1260	BRL		µg/kg dry	21.6	1	"	"	"	"	X
37324-23-5	PCB 1262	BRL		µg/kg dry	21.6	1	"	"	"	"	X
11100-14-4	PCB 1268	BRL		µg/kg dry	21.6	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*97*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*60*		*30-150 %*			"	"	"	"	
Chlorinated Herbicides by SW846 8151A											
Prepared by method SW846 3550B											
93-76-5	2,4,5-T	BRL		µg/kg dry	6.70	1	SW846 8151A	27-Jan-09	28-Jan-09	9011686	X
93-72-1	2,4,5-TP (Silvex)	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-75-7	2,4-D	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-82-6	2,4-DB	BRL		µg/kg dry	6.70	1	"	"	"	"	X
75-99-0	Dalapon	BRL		µg/kg dry	6.70	1	"	"	"	"	X
1918-00-9	Dicamba	BRL		µg/kg dry	6.70	1	"	"	"	"	X
120-36-5	Dichlorprop	BRL		µg/kg dry	6.70	1	"	"	"	"	X
88-85-7	Dinoseb	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-74-6	MCPA	BRL		µg/kg dry	670	1	"	"	"	"	X
94-81-5	MCPB	BRL		µg/kg dry	670	1	"	"	"	"	
93-65-2	MCPP	BRL		µg/kg dry	670	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*80*		*30-150 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-D5 SA90179-06	127-17797-08011	Soil	21-Jan-09 09:50	22-Jan-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 3550B											
8006-61-9	Gasoline	BRL		mg/kg dry	14.4	1	+CT ETPH	26-Jan-09	28-Jan-09	9011584	
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	BRL		mg/kg dry	14.4	1	"	"	"	"	
	Other Oil	BRL		mg/kg dry	14.4	1	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL		mg/kg dry	14.4	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	14.4	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*84*		*50-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	BRL		mg/kg dry	1.60	1	SW846 6010B	23-Jan-09	28-Jan-09	9011514	X
7440-38-2	Arsenic	5.95		mg/kg dry	1.60	1	"	"	"	"	X
7440-39-3	Barium	36.0		mg/kg dry	1.07	1	"	"	"	"	X
7440-43-9	Cadmium	BRL		mg/kg dry	0.533	1	"	"	"	"	X
7440-47-3	Chromium	7.73		mg/kg dry	1.07	1	"	"	"	"	X
7439-97-6	Mercury	0.188		mg/kg dry	0.0312	1	SW846 7471A	"	26-Jan-09	9011515	X
7439-92-1	Lead	54.6		mg/kg dry	1.60	1	SW846 6010B	"	28-Jan-09	9011514	X
7782-49-2	Selenium	BRL		mg/kg dry	1.60	1	"	"	"	"	X
General Chemistry Parameters											
	% Solids	92.0		%		1	SM2540 G Mod.	23-Jan-09	23-Jan-09	9011547	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-D6 SA90179-07	127-17797-08011	Soil	21-Jan-09 09:15	22-Jan-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	23-Jan-09	23-Jan-09	9011538	
Volatile Organic Compounds											
Prepared by method SW846 5035A Soil (low level)					Initial weight: 5.7 g						
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	5.2	1	SW846 8260B	26-Jan-09	26-Jan-09	9011612	X
67-64-1	Acetone	BRL		µg/kg dry	52.1	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	52.1	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	26.0	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	52.1	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	52.1	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	52.1	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	5.2	1	"	"	"	"	X

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-D6 SA90179-07	127-17797-08011	Soil	21-Jan-09 09:15	22-Jan-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: 5.7 g						
103-65-1	n-Propylbenzene	BRL		µg/kg dry	5.2	1	SW846 8260B	26-Jan-09	26-Jan-09	9011612	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	52.1	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	52.1	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	26.0	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	2080	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*84*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*91*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*124*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*103*		*70-130 %*			"	"	"	"	
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
83-32-9	Acenaphthene	BRL		µg/kg dry	356	1	SW846 8270C	26-Jan-09	27-Jan-09	9011586	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	356	1	"	"	"	"	X
62-53-3	Aniline	BRL		µg/kg dry	356	1	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	356	1	"	"	"	"	X
1912-24-9	Atrazine	BRL		µg/kg dry	356	1	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/kg dry	356	1	"	"	"	"	
92-87-5	Benzidine	BRL		µg/kg dry	356	1	"	"	"	"	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	356	1	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	356	1	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	356	1	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	356	1	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	356	1	"	"	"	"	X
65-85-0	Benzoic acid	BRL		µg/kg dry	356	1	"	"	"	"	X
100-51-6	Benzyl alcohol	BRL		µg/kg dry	356	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-D6	127-17797-08011	Soil	21-Jan-09 09:15	22-Jan-09
SA90179-07				

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 3550B											
111-91-1	Bis(2-chloroethoxy)methane	BRL		µg/kg dry	356	1	SW846 8270C	26-Jan-09	27-Jan-09	9011586	X
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/kg dry	356	1	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	356	1	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	356	1	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/kg dry	356	1	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	BRL		µg/kg dry	356	1	"	"	"	"	X
86-74-8	Carbazole	BRL		µg/kg dry	356	1	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	BRL		µg/kg dry	356	1	"	"	"	"	X
106-47-8	4-Chloroaniline	BRL		µg/kg dry	356	1	"	"	"	"	X
91-58-7	2-Chloronaphthalene	BRL		µg/kg dry	356	1	"	"	"	"	X
95-57-8	2-Chlorophenol	BRL		µg/kg dry	356	1	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/kg dry	356	1	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	356	1	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	356	1	"	"	"	"	X
132-64-9	Dibenzofuran	BRL		µg/kg dry	356	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	356	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	356	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	356	1	"	"	"	"	X
91-94-1	3,3´-Dichlorobenzidine	BRL		µg/kg dry	356	1	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	BRL		µg/kg dry	356	1	"	"	"	"	X
84-66-2	Diethyl phthalate	BRL		µg/kg dry	356	1	"	"	"	"	X
131-11-3	Dimethyl phthalate	BRL		µg/kg dry	356	1	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	BRL		µg/kg dry	356	1	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	BRL		µg/kg dry	356	1	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	356	1	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	BRL		µg/kg dry	356	1	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	BRL		µg/kg dry	356	1	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	BRL		µg/kg dry	356	1	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	BRL		µg/kg dry	356	1	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	356	1	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	356	1	"	"	"	"	X
118-74-1	Hexachlorobenzene	BRL		µg/kg dry	356	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	356	1	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	BRL		µg/kg dry	356	1	"	"	"	"	X
67-72-1	Hexachloroethane	BRL		µg/kg dry	356	1	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	356	1	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	356	1	"	"	"	"	
78-59-1	Isophorone	BRL		µg/kg dry	356	1	"	"	"	"	X
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	356	1	"	"	"	"	X
95-48-7	2-Methylphenol	BRL		µg/kg dry	356	1	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	BRL		µg/kg dry	356	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	356	1	"	"	"	"	X
88-74-4	2-Nitroaniline	BRL		µg/kg dry	356	1	"	"	"	"	X
99-09-2	3-Nitroaniline	BRL		µg/kg dry	356	1	"	"	"	"	X
100-01-6	4-Nitroaniline	BRL		µg/kg dry	1420	1	"	"	"	"	X
98-95-3	Nitrobenzene	BRL		µg/kg dry	356	1	"	"	"	"	X
88-75-5	2-Nitrophenol	BRL		µg/kg dry	356	1	"	"	"	"	X
100-02-7	4-Nitrophenol	BRL		µg/kg dry	1420	1	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	BRL		µg/kg dry	356	1	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/kg dry	356	1	"	"	"	"	X

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-D6 SA90179-07	127-17797-08011	Soil	21-Jan-09 09:15	22-Jan-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 3550B											
86-30-6	N-Nitrosodiphenylamine	BRL		µg/kg dry	356	1	SW846 8270C	26-Jan-09	27-Jan-09	9011586	X
87-86-5	Pentachlorophenol	BRL		µg/kg dry	356	1	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	356	1	"	"	"	"	X
108-95-2	Phenol	BRL		µg/kg dry	356	1	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	356	1	"	"	"	"	X
110-86-1	Pyridine	BRL		µg/kg dry	356	1	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	356	1	"	"	"	"	X
95-95-4	2,4,5-Trichlorophenol	BRL		µg/kg dry	356	1	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	BRL		µg/kg dry	356	1	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	BRL		µg/kg dry	356	1	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	356	1	"	"	"	"	X
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*63*		*30-130 %*			"	"	"	"	
367-12-4	*2-Fluorophenol*	*56*		*15-110 %*			"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*60*		*30-130 %*			"	"	"	"	
4165-62-2	*Phenol-d5*	*60*		*15-110 %*			"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*51*		*30-130 %*			"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*56*		*15-110 %*			"	"	"	"	
Semivolatile Organic Compounds by GC											
Polychlorinated Biphenyls by SW846 8082											
Prepared by method SW846 3550B											
12674-11-2	PCB 1016	BRL		µg/kg dry	21.1	1	SW846 8082	26-Jan-09	27-Jan-09	9011590	X
11104-28-2	PCB 1221	BRL		µg/kg dry	21.1	1	"	"	"	"	X
11141-16-5	PCB 1232	BRL		µg/kg dry	21.1	1	"	"	"	"	X
53469-21-9	PCB 1242	BRL		µg/kg dry	21.1	1	"	"	"	"	X
12672-29-6	PCB 1248	BRL		µg/kg dry	21.1	1	"	"	"	"	X
11097-69-1	PCB 1254	BRL		µg/kg dry	21.1	1	"	"	"	"	X
11096-82-5	PCB 1260	BRL		µg/kg dry	21.1	1	"	"	"	"	X
37324-23-5	PCB 1262	BRL		µg/kg dry	21.1	1	"	"	"	"	X
11100-14-4	PCB 1268	BRL		µg/kg dry	21.1	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*100*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*64*		*30-150 %*			"	"	"	"	
Chlorinated Herbicides by SW846 8151A											
Prepared by method SW846 3550B											
93-76-5	2,4,5-T	BRL		µg/kg dry	6.70	1	SW846 8151A	27-Jan-09	28-Jan-09	9011686	X
93-72-1	2,4,5-TP (Silvex)	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-75-7	2,4-D	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-82-6	2,4-DB	BRL		µg/kg dry	6.70	1	"	"	"	"	X
75-99-0	Dalapon	BRL		µg/kg dry	6.70	1	"	"	"	"	X
1918-00-9	Dicamba	BRL		µg/kg dry	6.70	1	"	"	"	"	X
120-36-5	Dichlorprop	BRL		µg/kg dry	6.70	1	"	"	"	"	X
88-85-7	Dinoseb	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-74-6	MCPA	BRL		µg/kg dry	670	1	"	"	"	"	X
94-81-5	MCPB	BRL		µg/kg dry	670	1	"	"	"	"	
93-65-2	MCPP	BRL		µg/kg dry	670	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*74*		*30-150 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-D6	127-17797-08011	Soil	21-Jan-09 09:15	22-Jan-09
SA90179-07				

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 3550B											
8006-61-9	Gasoline	BRL		mg/kg dry	14.4	1	+CT ETPH	26-Jan-09	28-Jan-09	9011584	
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	"	"	"	"	
M09900000	Motor Oil	BRL		mg/kg dry	14.4	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	14.4	1	"	"	"	"	
	Unidentified	BRL		mg/kg dry	14.4	1	"	"	"	"	
	Other Oil	BRL		mg/kg dry	14.4	1	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL		mg/kg dry	14.4	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	14.4	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*70*		*50-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	BRL		mg/kg dry	1.59	1	SW846 6010B	23-Jan-09	28-Jan-09	9011514	X
7440-38-2	Arsenic	2.43		mg/kg dry	1.59	1	"	"	"	"	X
7440-39-3	Barium	56.4		mg/kg dry	1.06	1	"	"	"	"	X
7440-43-9	Cadmium	BRL		mg/kg dry	0.531	1	"	"	"	"	X
7440-47-3	Chromium	11.5		mg/kg dry	1.06	1	"	"	"	"	X
7439-97-6	Mercury	0.151		mg/kg dry	0.0306	1	SW846 7471A	"	26-Jan-09	9011515	X
7439-92-1	Lead	30.1		mg/kg dry	1.59	1	SW846 6010B	"	28-Jan-09	9011514	X
7782-49-2	Selenium	1.95		mg/kg dry	1.59	1	"	"	"	"	X
General Chemistry Parameters											
	% Solids	91.9		%		1	SM2540 G Mod.	23-Jan-09	23-Jan-09	9011547	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-D7 SA90179-08	127-17797-08011	Soil	21-Jan-09 14:30	22-Jan-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	23-Jan-09	23-Jan-09	9011538	
Volatile Organic Compounds						Initial weight: 4.87 g					
Prepared by method SW846 5035A Soil (low level)											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	6.5	1	SW846 8260B	26-Jan-09	26-Jan-09	9011612	X
67-64-1	Acetone	BRL		µg/kg dry	65.5	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	6.5	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	6.5	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	6.5	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	6.5	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	13.1	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	65.5	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	32.7	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	6.5	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	13.1	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	6.5	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	13.1	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	13.1	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	6.5	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	6.5	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	6.5	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	13.1	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	6.5	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	6.5	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	6.5	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	6.5	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	6.5	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	65.5	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	6.5	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	65.5	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	65.5	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	6.5	1	"	"	"	"	X

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-D7	127-17797-08011	Soil	21-Jan-09 14:30	22-Jan-09
SA90179-08				

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: 4.87 g						
103-65-1	n-Propylbenzene	BRL		µg/kg dry	6.5	1	SW846 8260B	26-Jan-09	26-Jan-09	9011612	X
100-42-5	Styrene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	6.5	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	6.5	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	6.5	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	6.5	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	6.5	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	6.5	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	6.5	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	6.5	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	6.5	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	13.1	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	65.5	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	6.5	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	6.5	1	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	6.5	1	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	6.5	1	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	65.5	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	131	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	32.7	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	2620	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*88*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*92*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*120*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*105*		*70-130 %*			"	"	"	"	
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
83-32-9	Acenaphthene	BRL		µg/kg dry	368	1	SW846 8270C	26-Jan-09	27-Jan-09	9011586	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	368	1	"	"	"	"	X
62-53-3	Aniline	BRL		µg/kg dry	368	1	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	368	1	"	"	"	"	X
1912-24-9	Atrazine	BRL		µg/kg dry	368	1	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/kg dry	368	1	"	"	"	"	
92-87-5	Benzidine	BRL		µg/kg dry	368	1	"	"	"	"	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	368	1	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	368	1	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	368	1	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	368	1	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	368	1	"	"	"	"	X
65-85-0	Benzoic acid	BRL		µg/kg dry	368	1	"	"	"	"	X
100-51-6	Benzyl alcohol	BRL		µg/kg dry	368	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-D7 SA90179-08	127-17797-08011	Soil	21-Jan-09 14:30	22-Jan-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 3550B											
111-91-1	Bis(2-chloroethoxy)methane	BRL		µg/kg dry	368	1	SW846 8270C	26-Jan-09	27-Jan-09	9011586	X
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/kg dry	368	1	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	368	1	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	368	1	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/kg dry	368	1	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	BRL		µg/kg dry	368	1	"	"	"	"	X
86-74-8	Carbazole	BRL		µg/kg dry	368	1	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	BRL		µg/kg dry	368	1	"	"	"	"	X
106-47-8	4-Chloroaniline	BRL		µg/kg dry	368	1	"	"	"	"	X
91-58-7	2-Chloronaphthalene	BRL		µg/kg dry	368	1	"	"	"	"	X
95-57-8	2-Chlorophenol	BRL		µg/kg dry	368	1	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/kg dry	368	1	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	368	1	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	368	1	"	"	"	"	X
132-64-9	Dibenzofuran	BRL		µg/kg dry	368	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	368	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	368	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	368	1	"	"	"	"	X
91-94-1	3,3'-Dichlorobenzidine	BRL		µg/kg dry	368	1	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	BRL		µg/kg dry	368	1	"	"	"	"	X
84-66-2	Diethyl phthalate	BRL		µg/kg dry	368	1	"	"	"	"	X
131-11-3	Dimethyl phthalate	BRL		µg/kg dry	368	1	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	BRL		µg/kg dry	368	1	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	BRL		µg/kg dry	368	1	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	368	1	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	BRL		µg/kg dry	368	1	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	BRL		µg/kg dry	368	1	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	BRL		µg/kg dry	368	1	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	BRL		µg/kg dry	368	1	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	368	1	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	368	1	"	"	"	"	X
118-74-1	Hexachlorobenzene	BRL		µg/kg dry	368	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	368	1	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	BRL		µg/kg dry	368	1	"	"	"	"	X
67-72-1	Hexachloroethane	BRL		µg/kg dry	368	1	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	368	1	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	368	1	"	"	"	"	
78-59-1	Isophorone	BRL		µg/kg dry	368	1	"	"	"	"	X
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	368	1	"	"	"	"	X
95-48-7	2-Methylphenol	BRL		µg/kg dry	368	1	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	BRL		µg/kg dry	368	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	368	1	"	"	"	"	X
88-74-4	2-Nitroaniline	BRL		µg/kg dry	368	1	"	"	"	"	X
99-09-2	3-Nitroaniline	BRL		µg/kg dry	368	1	"	"	"	"	X
100-01-6	4-Nitroaniline	BRL		µg/kg dry	1470	1	"	"	"	"	X
98-95-3	Nitrobenzene	BRL		µg/kg dry	368	1	"	"	"	"	X
88-75-5	2-Nitrophenol	BRL		µg/kg dry	368	1	"	"	"	"	X
100-02-7	4-Nitrophenol	BRL		µg/kg dry	1470	1	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	BRL		µg/kg dry	368	1	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/kg dry	368	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-D7 SA90179-08	127-17797-08011	Soil	21-Jan-09 14:30	22-Jan-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 3550B											
86-30-6	N-Nitrosodiphenylamine	BRL		µg/kg dry	368	1	SW846 8270C	26-Jan-09	27-Jan-09	9011586	X
87-86-5	Pentachlorophenol	BRL		µg/kg dry	368	1	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	368	1	"	"	"	"	X
108-95-2	Phenol	BRL		µg/kg dry	368	1	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	368	1	"	"	"	"	X
110-86-1	Pyridine	BRL		µg/kg dry	368	1	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	368	1	"	"	"	"	X
95-95-4	2,4,5-Trichlorophenol	BRL		µg/kg dry	368	1	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	BRL		µg/kg dry	368	1	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	BRL		µg/kg dry	368	1	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	368	1	"	"	"	"	X
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*76*		*30-130 %*			"	"	"	"	
367-12-4	*2-Fluorophenol*	*72*		*15-110 %*			"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*76*		*30-130 %*			"	"	"	"	
4165-62-2	*Phenol-d5*	*76*		*15-110 %*			"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*63*		*30-130 %*			"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*67*		*15-110 %*			"	"	"	"	
Semivolatile Organic Compounds by GC											
Polychlorinated Biphenyls by SW846 8082											
Prepared by method SW846 3550B											
12674-11-2	PCB 1016	BRL		µg/kg dry	22.4	1	SW846 8082	26-Jan-09	27-Jan-09	9011590	X
11104-28-2	PCB 1221	BRL		µg/kg dry	22.4	1	"	"	"	"	X
11141-16-5	PCB 1232	BRL		µg/kg dry	22.4	1	"	"	"	"	X
53469-21-9	PCB 1242	BRL		µg/kg dry	22.4	1	"	"	"	"	X
12672-29-6	PCB 1248	BRL		µg/kg dry	22.4	1	"	"	"	"	X
11097-69-1	PCB 1254	BRL		µg/kg dry	22.4	1	"	"	"	"	X
11096-82-5	PCB 1260	BRL		µg/kg dry	22.4	1	"	"	"	"	X
37324-23-5	PCB 1262	BRL		µg/kg dry	22.4	1	"	"	"	"	X
11100-14-4	PCB 1268	BRL		µg/kg dry	22.4	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*100*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*65*		*30-150 %*			"	"	"	"	
Chlorinated Herbicides by SW846 8151A											
Prepared by method SW846 3550B											
93-76-5	2,4,5-T	BRL		µg/kg dry	6.70	1	SW846 8151A	27-Jan-09	28-Jan-09	9011686	X
93-72-1	2,4,5-TP (Silvex)	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-75-7	2,4-D	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-82-6	2,4-DB	BRL		µg/kg dry	6.70	1	"	"	"	"	X
75-99-0	Dalapon	BRL		µg/kg dry	6.70	1	"	"	"	"	X
1918-00-9	Dicamba	BRL		µg/kg dry	6.70	1	"	"	"	"	X
120-36-5	Dichlorprop	BRL		µg/kg dry	6.70	1	"	"	"	"	X
88-85-7	Dinoseb	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-74-6	MCPA	BRL		µg/kg dry	670	1	"	"	"	"	X
94-81-5	MCPB	BRL		µg/kg dry	670	1	"	"	"	"	
93-65-2	MCPP	BRL		µg/kg dry	670	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*69*		*30-150 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-D7 SA90179-08	127-17797-08011	Soil	21-Jan-09 14:30	22-Jan-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 3550B											
8006-61-9	Gasoline	BRL		mg/kg dry	14.8	1	+CT ETPH	26-Jan-09	28-Jan-09	9011584	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	14.8	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	14.8	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	14.8	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	14.8	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	14.8	1	"	"	"	"	
	Unidentified	BRL		mg/kg dry	14.8	1	"	"	"	"	
	Other Oil	BRL		mg/kg dry	14.8	1	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL		mg/kg dry	14.8	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	14.8	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*87*		*50-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	BRL		mg/kg dry	1.47	1	SW846 6010B	23-Jan-09	28-Jan-09	9011514	X
7440-38-2	Arsenic	2.31		mg/kg dry	1.47	1	"	"	"	"	X
7440-39-3	Barium	140		mg/kg dry	0.982	1	"	"	"	"	X
7440-43-9	Cadmium	0.668		mg/kg dry	0.491	1	"	"	"	"	X
7440-47-3	Chromium	28.2		mg/kg dry	0.982	1	"	"	"	"	X
7439-97-6	Mercury	0.0801		mg/kg dry	0.0320	1	SW846 7471A	"	26-Jan-09	9011515	X
7439-92-1	Lead	12.5		mg/kg dry	1.47	1	SW846 6010B	"	28-Jan-09	9011514	X
7782-49-2	Selenium	4.02		mg/kg dry	1.47	1	"	"	"	"	X
General Chemistry Parameters											
	% Solids	87.8		%		1	SM2540 G Mod.	23-Jan-09	23-Jan-09	9011547	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-D8 SA90179-09	127-17797-08011	Soil	21-Jan-09 08:30	22-Jan-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	23-Jan-09	23-Jan-09	9011538	
Volatile Organic Compounds											
Prepared by method SW846 5035A Soil (low level)					Initial weight: 5.4 g						
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	6.0	1	SW846 8260B	26-Jan-09	26-Jan-09	9011612	X
67-64-1	Acetone	BRL		µg/kg dry	59.9	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	59.9	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	30.0	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
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	59.9	1	"	"	"	"	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	59.9	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	59.9	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	6.0	1	"	"	"	"	X

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-D8 SA90179-09	127-17797-08011	Soil	21-Jan-09 08:30	22-Jan-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: 5.4 g						
103-65-1	n-Propylbenzene	BRL		µg/kg dry	6.0	1	SW846 8260B	26-Jan-09	26-Jan-09	9011612	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	59.9	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	59.9	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	30.0	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	2400	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*87*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*92*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*126*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*103*		*70-130 %*			"	"	"	"	
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
83-32-9	Acenaphthene	BRL		µg/kg dry	375	1	SW846 8270C	26-Jan-09	27-Jan-09	9011586	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	375	1	"	"	"	"	X
62-53-3	Aniline	BRL		µg/kg dry	375	1	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	375	1	"	"	"	"	X
1912-24-9	Atrazine	BRL		µg/kg dry	375	1	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/kg dry	375	1	"	"	"	"	
92-87-5	Benzidine	BRL		µg/kg dry	375	1	"	"	"	"	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	375	1	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	375	1	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	375	1	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	375	1	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	375	1	"	"	"	"	X
65-85-0	Benzoic acid	BRL		µg/kg dry	375	1	"	"	"	"	X
100-51-6	Benzyl alcohol	BRL		µg/kg dry	375	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-D8	127-17797-08011	Soil	21-Jan-09 08:30	22-Jan-09
SA90179-09				

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 3550B											
111-91-1	Bis(2-chloroethoxy)methane	BRL		µg/kg dry	375	1	SW846 8270C	26-Jan-09	27-Jan-09	9011586	X
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/kg dry	375	1	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	375	1	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	375	1	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/kg dry	375	1	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	BRL		µg/kg dry	375	1	"	"	"	"	X
86-74-8	Carbazole	BRL		µg/kg dry	375	1	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	BRL		µg/kg dry	375	1	"	"	"	"	X
106-47-8	4-Chloroaniline	BRL		µg/kg dry	375	1	"	"	"	"	X
91-58-7	2-Chloronaphthalene	BRL		µg/kg dry	375	1	"	"	"	"	X
95-57-8	2-Chlorophenol	BRL		µg/kg dry	375	1	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/kg dry	375	1	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	375	1	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	375	1	"	"	"	"	X
132-64-9	Dibenzofuran	BRL		µg/kg dry	375	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	375	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	375	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	375	1	"	"	"	"	X
91-94-1	3,3´-Dichlorobenzidine	BRL		µg/kg dry	375	1	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	BRL		µg/kg dry	375	1	"	"	"	"	X
84-66-2	Diethyl phthalate	BRL		µg/kg dry	375	1	"	"	"	"	X
131-11-3	Dimethyl phthalate	BRL		µg/kg dry	375	1	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	BRL		µg/kg dry	375	1	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	BRL		µg/kg dry	375	1	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	375	1	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	BRL		µg/kg dry	375	1	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	BRL		µg/kg dry	375	1	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	BRL		µg/kg dry	375	1	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	BRL		µg/kg dry	375	1	"	"	"	"	X
206-44-0	Fluoranthene	502		µg/kg dry	375	1	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	375	1	"	"	"	"	X
118-74-1	Hexachlorobenzene	BRL		µg/kg dry	375	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	375	1	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	BRL		µg/kg dry	375	1	"	"	"	"	X
67-72-1	Hexachloroethane	BRL		µg/kg dry	375	1	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	375	1	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	375	1	"	"	"	"	
78-59-1	Isophorone	BRL		µg/kg dry	375	1	"	"	"	"	X
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	375	1	"	"	"	"	X
95-48-7	2-Methylphenol	BRL		µg/kg dry	375	1	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	BRL		µg/kg dry	375	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	375	1	"	"	"	"	X
88-74-4	2-Nitroaniline	BRL		µg/kg dry	375	1	"	"	"	"	X
99-09-2	3-Nitroaniline	BRL		µg/kg dry	375	1	"	"	"	"	X
100-01-6	4-Nitroaniline	BRL		µg/kg dry	1500	1	"	"	"	"	X
98-95-3	Nitrobenzene	BRL		µg/kg dry	375	1	"	"	"	"	X
88-75-5	2-Nitrophenol	BRL		µg/kg dry	375	1	"	"	"	"	X
100-02-7	4-Nitrophenol	BRL		µg/kg dry	1500	1	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	BRL		µg/kg dry	375	1	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/kg dry	375	1	"	"	"	"	X

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-D8 SA90179-09	127-17797-08011	Soil	21-Jan-09 08:30	22-Jan-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 3550B											
86-30-6	N-Nitrosodiphenylamine	BRL		µg/kg dry	375	1	SW846 8270C	26-Jan-09	27-Jan-09	9011586	X
87-86-5	Pentachlorophenol	BRL		µg/kg dry	375	1	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	375	1	"	"	"	"	X
108-95-2	Phenol	BRL		µg/kg dry	375	1	"	"	"	"	X
129-00-0	Pyrene	381		µg/kg dry	375	1	"	"	"	"	X
110-86-1	Pyridine	BRL		µg/kg dry	375	1	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	375	1	"	"	"	"	X
95-95-4	2,4,5-Trichlorophenol	BRL		µg/kg dry	375	1	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	BRL		µg/kg dry	375	1	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	BRL		µg/kg dry	375	1	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	375	1	"	"	"	"	X
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*72*		*30-130 %*			"	"	"	"	
367-12-4	*2-Fluorophenol*	*68*		*15-110 %*			"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*71*		*30-130 %*			"	"	"	"	
4165-62-2	*Phenol-d5*	*72*		*15-110 %*			"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*59*		*30-130 %*			"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*68*		*15-110 %*			"	"	"	"	
Semivolatile Organic Compounds by GC											
Polychlorinated Biphenyls by SW846 8082											
Prepared by method SW846 3550B											
12674-11-2	PCB 1016	BRL		µg/kg dry	22.6	1	SW846 8082	26-Jan-09	27-Jan-09	9011590	X
11104-28-2	PCB 1221	BRL		µg/kg dry	22.6	1	"	"	"	"	X
11141-16-5	PCB 1232	BRL		µg/kg dry	22.6	1	"	"	"	"	X
53469-21-9	PCB 1242	BRL		µg/kg dry	22.6	1	"	"	"	"	X
12672-29-6	PCB 1248	BRL		µg/kg dry	22.6	1	"	"	"	"	X
11097-69-1	PCB 1254	BRL		µg/kg dry	22.6	1	"	"	"	"	X
11096-82-5	PCB 1260	BRL		µg/kg dry	22.6	1	"	"	"	"	X
37324-23-5	PCB 1262	BRL		µg/kg dry	22.6	1	"	"	"	"	X
11100-14-4	PCB 1268	BRL		µg/kg dry	22.6	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*97*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*73*		*30-150 %*			"	"	"	"	
Chlorinated Herbicides by SW846 8151A											
Prepared by method SW846 3550B											
93-76-5	2,4,5-T	BRL		µg/kg dry	6.70	1	SW846 8151A	27-Jan-09	28-Jan-09	9011686	X
93-72-1	2,4,5-TP (Silvex)	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-75-7	2,4-D	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-82-6	2,4-DB	BRL		µg/kg dry	6.70	1	"	"	"	"	X
75-99-0	Dalapon	BRL		µg/kg dry	6.70	1	"	"	"	"	X
1918-00-9	Dicamba	BRL		µg/kg dry	6.70	1	"	"	"	"	X
120-36-5	Dichlorprop	BRL		µg/kg dry	6.70	1	"	"	"	"	X
88-85-7	Dinoseb	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-74-6	MCPA	BRL		µg/kg dry	670	1	"	"	"	"	X
94-81-5	MCPB	BRL		µg/kg dry	670	1	"	"	"	"	
93-65-2	MCPP	BRL		µg/kg dry	670	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*75*		*30-150 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-D8	127-17797-08011	Soil	21-Jan-09 08:30	22-Jan-09
SA90179-09				

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 3550B											
8006-61-9	Gasoline	BRL		mg/kg dry	15.1	1	+CT ETPH	26-Jan-09	28-Jan-09	9011584	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	15.1	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	15.1	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	15.1	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	15.1	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	15.1	1	"	"	"	"	
	Unidentified	39.5		mg/kg dry	15.1	1	"	"	"	"	
	Other Oil	Calculated as		mg/kg dry	15.1	1	"	"	"	"	
	Total Petroleum Hydrocarbons	39.5		mg/kg dry	15.1	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	39.5		mg/kg dry	15.1	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*87*		*50-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	BRL		mg/kg dry	1.67	1	SW846 6010B	23-Jan-09	28-Jan-09	9011514	X
7440-38-2	Arsenic	16.6		mg/kg dry	1.67	1	"	"	"	"	X
7440-39-3	Barium	79.3		mg/kg dry	1.11	1	"	"	"	"	X
7440-43-9	Cadmium	BRL		mg/kg dry	0.556	1	"	"	"	"	X
7440-47-3	Chromium	12.2		mg/kg dry	1.11	1	"	"	"	"	X
7439-97-6	Mercury	0.118		mg/kg dry	0.0317	1	SW846 7471A	"	26-Jan-09	9011515	X
7439-92-1	Lead	82.4		mg/kg dry	1.67	1	SW846 6010B	"	28-Jan-09	9011514	X
7782-49-2	Selenium	1.67		mg/kg dry	1.67	1	"	"	"	"	X
SPLP Metals by EPA 1312 & 6000/7000 Series Methods											
	SPLP Extraction	Completed		N/A		1	SW846 1312	05-Feb-09	05-Feb-09	9020429	
7440-38-2	Arsenic	BRL		mg/l	0.0080	1	SW846 1312/6010B	06-Feb-09	07-Feb-09	9020464	
7440-47-3	Chromium	BRL		mg/l	0.0100	1	"	"	"	"	
7439-92-1	Lead	0.0174		mg/l	0.0150	1	"	"	"	"	
General Chemistry Parameters											
	% Solids	87.6		%		1	SM2540 G Mod.	23-Jan-09	23-Jan-09	9011547	

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9011610 - SW846 5035A Soil (low level)										
Blank (9011610-BLK1)										
Prepared & Analyzed: 26-Jan-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg wet	5.0						
Acetone	BRL		µg/kg wet	50.0						
Acrylonitrile	BRL		µg/kg wet	5.0						
Benzene	BRL		µg/kg wet	5.0						
Bromobenzene	BRL		µg/kg wet	5.0						
Bromochloromethane	BRL		µg/kg wet	5.0						
Bromodichloromethane	BRL		µg/kg wet	5.0						
Bromoform	BRL		µg/kg wet	5.0						
Bromomethane	BRL		µg/kg wet	10.0						
2-Butanone (MEK)	BRL		µg/kg wet	50.0						
n-Butylbenzene	BRL		µg/kg wet	5.0						
sec-Butylbenzene	BRL		µg/kg wet	5.0						
tert-Butylbenzene	BRL		µg/kg wet	5.0						
Carbon disulfide	BRL		µg/kg wet	25.0						
Carbon tetrachloride	BRL		µg/kg wet	5.0						
Chlorobenzene	BRL		µg/kg wet	5.0						
Chloroethane	BRL		µg/kg wet	10.0						
Chloroform	BRL		µg/kg wet	5.0						
Chloromethane	BRL		µg/kg wet	10.0						
2-Chlorotoluene	BRL		µg/kg wet	5.0						
4-Chlorotoluene	BRL		µg/kg wet	5.0						
1,2-Dibromo-3-chloropropane	BRL		µg/kg wet	10.0						
Dibromochloromethane	BRL		µg/kg wet	5.0						
1,2-Dibromoethane (EDB)	BRL		µg/kg wet	5.0						
Dibromomethane	BRL		µg/kg wet	5.0						
1,2-Dichlorobenzene	BRL		µg/kg wet	5.0						
1,3-Dichlorobenzene	BRL		µg/kg wet	5.0						
1,4-Dichlorobenzene	BRL		µg/kg wet	5.0						
Dichlorodifluoromethane (Freon12)	BRL		µg/kg wet	10.0						
1,1-Dichloroethane	BRL		µg/kg wet	5.0						
1,2-Dichloroethane	BRL		µg/kg wet	5.0						
1,1-Dichloroethene	BRL		µg/kg wet	5.0						
cis-1,2-Dichloroethene	BRL		µg/kg wet	5.0						
trans-1,2-Dichloroethene	BRL		µg/kg wet	5.0						
1,2-Dichloropropane	BRL		µg/kg wet	5.0						
1,3-Dichloropropane	BRL		µg/kg wet	5.0						
2,2-Dichloropropane	BRL		µg/kg wet	5.0						
1,1-Dichloropropene	BRL		µg/kg wet	5.0						
cis-1,3-Dichloropropene	BRL		µg/kg wet	5.0						
trans-1,3-Dichloropropene	BRL		µg/kg wet	5.0						
Ethylbenzene	BRL		µg/kg wet	5.0						
Hexachlorobutadiene	BRL		µg/kg wet	5.0						
2-Hexanone (MBK)	BRL		µg/kg wet	50.0						
Isopropylbenzene	BRL		µg/kg wet	5.0						
4-Isopropyltoluene	BRL		µg/kg wet	5.0						
Methyl tert-butyl ether	BRL		µg/kg wet	5.0						
4-Methyl-2-pentanone (MIBK)	BRL		µg/kg wet	50.0						
Methylene chloride	BRL		µg/kg wet	50.0						
Naphthalene	BRL		µg/kg wet	5.0						

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9011610 - SW846 5035A Soil (low level)										
Blank (9011610-BLK1)										
Prepared & Analyzed: 26-Jan-09										
n-Propylbenzene	BRL		µg/kg wet	5.0						
Styrene	BRL		µg/kg wet	5.0						
1,1,1,2-Tetrachloroethane	BRL		µg/kg wet	5.0						
1,1,2,2-Tetrachloroethane	BRL		µg/kg wet	5.0						
Tetrachloroethene	BRL		µg/kg wet	5.0						
Toluene	BRL		µg/kg wet	5.0						
1,2,3-Trichlorobenzene	BRL		µg/kg wet	5.0						
1,2,4-Trichlorobenzene	BRL		µg/kg wet	5.0						
1,3,5-Trichlorobenzene	BRL		µg/kg wet	5.0						
1,1,1-Trichloroethane	BRL		µg/kg wet	5.0						
1,1,2-Trichloroethane	BRL		µg/kg wet	5.0						
Trichloroethene	BRL		µg/kg wet	5.0						
Trichlorofluoromethane (Freon 11)	BRL		µg/kg wet	5.0						
1,2,3-Trichloropropane	BRL		µg/kg wet	5.0						
1,2,4-Trimethylbenzene	BRL		µg/kg wet	5.0						
1,3,5-Trimethylbenzene	BRL		µg/kg wet	5.0						
Vinyl chloride	BRL		µg/kg wet	5.0						
m,p-Xylene	BRL		µg/kg wet	10.0						
o-Xylene	BRL		µg/kg wet	5.0						
Tetrahydrofuran	BRL		µg/kg wet	50.0						
Ethyl ether	BRL		µg/kg wet	5.0						
Tert-amyl methyl ether	BRL		µg/kg wet	5.0						
Ethyl tert-butyl ether	BRL		µg/kg wet	5.0						
Di-isopropyl ether	BRL		µg/kg wet	5.0						
Tert-Butanol / butyl alcohol	BRL		µg/kg wet	50.0						
1,4-Dioxane	BRL		µg/kg wet	100						
trans-1,4-Dichloro-2-butene	BRL		µg/kg wet	25.0						
Ethanol	BRL		µg/kg wet	2000						
Surrogate: 4-Bromofluorobenzene	*48.3*		µg/kg wet		*50.0*		*97*	*70-130*		
Surrogate: Toluene-d8	*48.5*		µg/kg wet		*50.0*		*97*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*56.3*		µg/kg wet		*50.0*		*113*	*70-130*		
Surrogate: Dibromofluoromethane	*51.7*		µg/kg wet		*50.0*		*103*	*70-130*		
LCS (9011610-BS1)										
Prepared & Analyzed: 26-Jan-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	20.7		µg/kg wet		20.0		103	70-130		
Acetone	14.7		µg/kg wet		20.0		74	7.9-168		
Acrylonitrile	22.0		µg/kg wet		20.0		110	70-130		
Benzene	21.3		µg/kg wet		20.0		107	70-130		
Bromobenzene	18.7		µg/kg wet		20.0		94	70-130		
Bromochloromethane	18.0		µg/kg wet		20.0		90	70-130		
Bromodichloromethane	20.5		µg/kg wet		20.0		103	70-130		
Bromoform	20.5		µg/kg wet		20.0		102	70-130		
Bromomethane	16.8		µg/kg wet		20.0		84	50-134		
2-Butanone (MEK)	17.5		µg/kg wet		20.0		88	44.6-130		
n-Butylbenzene	21.7		µg/kg wet		20.0		108	70-130		
sec-Butylbenzene	20.1		µg/kg wet		20.0		100	70-130		
tert-Butylbenzene	19.2		µg/kg wet		20.0		96	70-130		
Carbon disulfide	21.8		µg/kg wet		20.0		109	70-130		
Carbon tetrachloride	20.4		µg/kg wet		20.0		102	70-130		
Chlorobenzene	19.7		µg/kg wet		20.0		98	70-130		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9011610 - SW846 5035A Soil (low level)										
LCS (9011610-BS1)										
Prepared & Analyzed: 26-Jan-09										
Chloroethane	17.5		µg/kg wet		20.0		88	59.2-130		
Chloroform	19.0		µg/kg wet		20.0		95	70-130		
Chloromethane	17.2		µg/kg wet		20.0		86	70-130		
2-Chlorotoluene	20.7		µg/kg wet		20.0		103	70-130		
4-Chlorotoluene	19.9		µg/kg wet		20.0		100	70-130		
1,2-Dibromo-3-chloropropane	21.2		µg/kg wet		20.0		106	70-130		
Dibromochloromethane	19.4		µg/kg wet		20.0		97	63.8-130		
1,2-Dibromoethane (EDB)	19.5		µg/kg wet		20.0		97	70-130		
Dibromomethane	19.0		µg/kg wet		20.0		95	70-130		
1,2-Dichlorobenzene	20.5		µg/kg wet		20.0		102	70-130		
1,3-Dichlorobenzene	18.6		µg/kg wet		20.0		93	70-130		
1,4-Dichlorobenzene	19.9		µg/kg wet		20.0		100	70-130		
Dichlorodifluoromethane (Freon12)	17.1		µg/kg wet		20.0		85	41.8-130		
1,1-Dichloroethane	20.3		µg/kg wet		20.0		102	70-130		
1,2-Dichloroethane	19.6		µg/kg wet		20.0		98	70-130		
1,1-Dichloroethene	21.1		µg/kg wet		20.0		106	70-130		
cis-1,2-Dichloroethene	19.6		µg/kg wet		20.0		98	70-130		
trans-1,2-Dichloroethene	19.8		µg/kg wet		20.0		99	70-130		
1,2-Dichloropropane	20.8		µg/kg wet		20.0		104	70-130		
1,3-Dichloropropane	19.4		µg/kg wet		20.0		97	70-130		
2,2-Dichloropropane	20.4		µg/kg wet		20.0		102	70-130		
1,1-Dichloropropene	20.9		µg/kg wet		20.0		104	70-130		
cis-1,3-Dichloropropene	20.2		µg/kg wet		20.0		101	70-130		
trans-1,3-Dichloropropene	22.3		µg/kg wet		20.0		112	70-130		
Ethylbenzene	20.4		µg/kg wet		20.0		102	70-130		
Hexachlorobutadiene	18.0		µg/kg wet		20.0		90	68.3-130		
2-Hexanone (MBK)	19.4		µg/kg wet		20.0		97	70-130		
Isopropylbenzene	19.6		µg/kg wet		20.0		98	70-130		
4-Isopropyltoluene	20.5		µg/kg wet		20.0		103	70-130		
Methyl tert-butyl ether	21.2		µg/kg wet		20.0		106	70-130		
4-Methyl-2-pentanone (MIBK)	17.9		µg/kg wet		20.0		89	53.1-132		
Methylene chloride	19.7		µg/kg wet		20.0		99	70-130		
Naphthalene	17.7		µg/kg wet		20.0		88	70-130		
n-Propylbenzene	19.9		µg/kg wet		20.0		99	70-130		
Styrene	20.1		µg/kg wet		20.0		101	70-130		
1,1,1,2-Tetrachloroethane	19.7		µg/kg wet		20.0		98	70-130		
1,1,2,2-Tetrachloroethane	20.6		µg/kg wet		20.0		103	70-130		
Tetrachloroethene	18.0		µg/kg wet		20.0		90	70-130		
Toluene	17.5		µg/kg wet		20.0		88	70-130		
1,2,3-Trichlorobenzene	19.2		µg/kg wet		20.0		96	70-130		
1,2,4-Trichlorobenzene	18.8		µg/kg wet		20.0		94	70-130		
1,3,5-Trichlorobenzene	19.8		µg/kg wet		20.0		99	70-130		
1,1,1-Trichloroethane	20.5		µg/kg wet		20.0		102	70-130		
1,1,2-Trichloroethane	19.7		µg/kg wet		20.0		98	70-130		
Trichloroethene	20.2		µg/kg wet		20.0		101	70-130		
Trichlorofluoromethane (Freon 11)	19.6		µg/kg wet		20.0		98	68.2-130		
1,2,3-Trichloropropane	20.5		µg/kg wet		20.0		103	70-130		
1,2,4-Trimethylbenzene	19.6		µg/kg wet		20.0		98	70-130		
1,3,5-Trimethylbenzene	19.8		µg/kg wet		20.0		99	70-130		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9011610 - SW846 5035A Soil (low level)										
LCS (9011610-BS1)										
Prepared & Analyzed: 26-Jan-09										
Vinyl chloride	19.7		µg/kg wet		20.0		98	70-130		
m,p-Xylene	40.4		µg/kg wet		40.0		101	70-130		
o-Xylene	20.5		µg/kg wet		20.0		103	70-130		
Tetrahydrofuran	19.2		µg/kg wet		20.0		96	70-130		
Ethyl ether	20.4		µg/kg wet		20.0		102	70-130		
Tert-amyl methyl ether	17.6		µg/kg wet		20.0		88	70-130		
Ethyl tert-butyl ether	21.3		µg/kg wet		20.0		107	70-130		
Di-isopropyl ether	21.0		µg/kg wet		20.0		105	70-130		
Tert-Butanol / butyl alcohol	219		µg/kg wet		200		110	70-130		
1,4-Dioxane	160		µg/kg wet		200		80	48.7-130		
trans-1,4-Dichloro-2-butene	22.4		µg/kg wet		20.0		112	70-130		
Ethanol	461		µg/kg wet		400		115	70-130		
Surrogate: 4-Bromofluorobenzene	*49.1*		µg/kg wet		*50.0*		*98*	*70-130*		
Surrogate: Toluene-d8	*46.5*		µg/kg wet		*50.0*		*93*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*48.8*		µg/kg wet		*50.0*		*98*	*70-130*		
Surrogate: Dibromofluoromethane	*47.9*		µg/kg wet		*50.0*		*96*	*70-130*		
LCS Dup (9011610-BSD1)										
Prepared & Analyzed: 26-Jan-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	21.7		µg/kg wet		20.0		108	70-130	5	25
Acetone	6.8	QR2	µg/kg wet		20.0		34	7.9-168	73	50
Acrylonitrile	17.7		µg/kg wet		20.0		88	70-130	22	25
Benzene	20.7		µg/kg wet		20.0		104	70-130	3	25
Bromobenzene	16.9		µg/kg wet		20.0		84	70-130	10	25
Bromochloromethane	15.1		µg/kg wet		20.0		75	70-130	17	25
Bromodichloromethane	20.4		µg/kg wet		20.0		102	70-130	0.8	25
Bromoform	19.6		µg/kg wet		20.0		98	70-130	4	25
Bromomethane	12.5		µg/kg wet		20.0		63	50-134	29	50
2-Butanone (MEK)	14.6		µg/kg wet		20.0		73	44.6-130	19	50
n-Butylbenzene	21.6		µg/kg wet		20.0		108	70-130	0.3	25
sec-Butylbenzene	17.1		µg/kg wet		20.0		86	70-130	16	25
tert-Butylbenzene	16.5		µg/kg wet		20.0		82	70-130	15	25
Carbon disulfide	19.9		µg/kg wet		20.0		100	70-130	9	25
Carbon tetrachloride	21.6		µg/kg wet		20.0		108	70-130	6	25
Chlorobenzene	19.8		µg/kg wet		20.0		99	70-130	0.4	25
Chloroethane	13.8		µg/kg wet		20.0		69	59.2-130	24	50
Chloroform	19.0		µg/kg wet		20.0		95	70-130	0.2	25
Chloromethane	12.4	QC1	µg/kg wet		20.0		62	70-130	32	25
2-Chlorotoluene	18.5		µg/kg wet		20.0		93	70-130	11	25
4-Chlorotoluene	17.0		µg/kg wet		20.0		85	70-130	16	25
1,2-Dibromo-3-chloropropane	20.6		µg/kg wet		20.0		103	70-130	3	25
Dibromochloromethane	17.2		µg/kg wet		20.0		86	63.8-130	12	50
1,2-Dibromoethane (EDB)	16.2		µg/kg wet		20.0		81	70-130	18	25
Dibromomethane	17.6		µg/kg wet		20.0		88	70-130	7	25
1,2-Dichlorobenzene	19.5		µg/kg wet		20.0		98	70-130	5	25
1,3-Dichlorobenzene	15.9		µg/kg wet		20.0		79	70-130	16	25
1,4-Dichlorobenzene	19.4		µg/kg wet		20.0		97	70-130	3	25
Dichlorodifluoromethane (Freon12)	13.2		µg/kg wet		20.0		66	41.8-130	25	50
1,1-Dichloroethane	19.7		µg/kg wet		20.0		99	70-130	3	25
1,2-Dichloroethane	18.1		µg/kg wet		20.0		90	70-130	8	25
1,1-Dichloroethene	20.0		µg/kg wet		20.0		100	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 9011610 - SW846 5035A Soil (low level)										
LCS Dup (9011610-BSD1)										
Prepared & Analyzed: 26-Jan-09										
cis-1,2-Dichloroethene	19.6		µg/kg wet		20.0		98	70-130	0.4	25
trans-1,2-Dichloroethene	20.0		µg/kg wet		20.0		100	70-130	0.9	25
1,2-Dichloropropane	19.9		µg/kg wet		20.0		99	70-130	5	25
1,3-Dichloropropane	17.4		µg/kg wet		20.0		87	70-130	11	25
2,2-Dichloropropane	20.0		µg/kg wet		20.0		100	70-130	2	25
1,1-Dichloropropene	21.0		µg/kg wet		20.0		105	70-130	0.6	25
cis-1,3-Dichloropropene	18.6		µg/kg wet		20.0		93	70-130	8	25
trans-1,3-Dichloropropene	19.2		µg/kg wet		20.0		96	70-130	15	25
Ethylbenzene	19.9		µg/kg wet		20.0		99	70-130	2	25
Hexachlorobutadiene	17.6		µg/kg wet		20.0		88	68.3-130	2	50
2-Hexanone (MBK)	14.3	QR2	µg/kg wet		20.0		72	70-130	30	25
Isopropylbenzene	18.2		µg/kg wet		20.0		91	70-130	7	25
4-Isopropyltoluene	20.7		µg/kg wet		20.0		103	70-130	0.7	25
Methyl tert-butyl ether	20.5		µg/kg wet		20.0		103	70-130	3	25
4-Methyl-2-pentanone (MIBK)	15.0		µg/kg wet		20.0		75	53.1-132	17	50
Methylene chloride	16.1		µg/kg wet		20.0		80	70-130	20	25
Naphthalene	15.7		µg/kg wet		20.0		78	70-130	12	25
n-Propylbenzene	17.9		µg/kg wet		20.0		89	70-130	11	25
Styrene	18.2		µg/kg wet		20.0		91	70-130	10	25
1,1,1,2-Tetrachloroethane	21.2		µg/kg wet		20.0		106	70-130	7	25
1,1,2,2-Tetrachloroethane	17.6		µg/kg wet		20.0		88	70-130	16	25
Tetrachloroethene	16.6		µg/kg wet		20.0		83	70-130	8	25
Toluene	16.4		µg/kg wet		20.0		82	70-130	7	25
1,2,3-Trichlorobenzene	16.8		µg/kg wet		20.0		84	70-130	13	25
1,2,4-Trichlorobenzene	16.4		µg/kg wet		20.0		82	70-130	14	25
1,3,5-Trichlorobenzene	18.1		µg/kg wet		20.0		90	70-130	9	25
1,1,1-Trichloroethane	20.7		µg/kg wet		20.0		104	70-130	1	25
1,1,2-Trichloroethane	17.8		µg/kg wet		20.0		89	70-130	10	25
Trichloroethene	19.7		µg/kg wet		20.0		99	70-130	2	25
Trichlorofluoromethane (Freon 11)	18.2		µg/kg wet		20.0		91	68.2-130	8	50
1,2,3-Trichloropropane	17.6		µg/kg wet		20.0		88	70-130	15	25
1,2,4-Trimethylbenzene	17.4		µg/kg wet		20.0		87	70-130	12	25
1,3,5-Trimethylbenzene	17.4		µg/kg wet		20.0		87	70-130	12	25
Vinyl chloride	15.2	QR2	µg/kg wet		20.0		76	70-130	26	25
m,p-Xylene	37.9		µg/kg wet		40.0		95	70-130	6	25
o-Xylene	19.0		µg/kg wet		20.0		95	70-130	8	25
Tetrahydrofuran	15.8		µg/kg wet		20.0		79	70-130	20	25
Ethyl ether	19.8		µg/kg wet		20.0		99	70-130	3	50
Tert-amyl methyl ether	18.6		µg/kg wet		20.0		93	70-130	5	25
Ethyl tert-butyl ether	20.8		µg/kg wet		20.0		104	70-130	3	25
Di-isopropyl ether	21.3		µg/kg wet		20.0		106	70-130	1	25
Tert-Butanol / butyl alcohol	149	QR2	µg/kg wet		200		74	70-130	38	25
1,4-Dioxane	132		µg/kg wet		200		66	48.7-130	19	25
trans-1,4-Dichloro-2-butene	18.8		µg/kg wet		20.0		94	70-130	17	25
Ethanol	303	QR2	µg/kg wet		400		76	70-130	41	30
Surrogate: 4-Bromofluorobenzene	*45.7*		µg/kg wet		*50.0*		*91*	*70-130*		
Surrogate: Toluene-d8	*44.4*		µg/kg wet		*50.0*		*89*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*48.0*		µg/kg wet		*50.0*		*96*	*70-130*		
Surrogate: Dibromofluoromethane	*47.4*		µg/kg wet		*50.0*		*95*	*70-130*		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9011612 - SW846 5035A Soil (low level)										
Blank (9011612-BLK1)										
Prepared & Analyzed: 26-Jan-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg wet	5.0						
Acetone	BRL		µg/kg wet	50.0						
Acrylonitrile	BRL		µg/kg wet	5.0						
Benzene	BRL		µg/kg wet	5.0						
Bromobenzene	BRL		µg/kg wet	5.0						
Bromochloromethane	BRL		µg/kg wet	5.0						
Bromodichloromethane	BRL		µg/kg wet	5.0						
Bromoform	BRL		µg/kg wet	5.0						
Bromomethane	BRL		µg/kg wet	10.0						
2-Butanone (MEK)	BRL		µg/kg wet	50.0						
n-Butylbenzene	BRL		µg/kg wet	5.0						
sec-Butylbenzene	BRL		µg/kg wet	5.0						
tert-Butylbenzene	BRL		µg/kg wet	5.0						
Carbon disulfide	BRL		µg/kg wet	25.0						
Carbon tetrachloride	BRL		µg/kg wet	5.0						
Chlorobenzene	BRL		µg/kg wet	5.0						
Chloroethane	BRL		µg/kg wet	10.0						
Chloroform	BRL		µg/kg wet	5.0						
Chloromethane	BRL		µg/kg wet	10.0						
2-Chlorotoluene	BRL		µg/kg wet	5.0						
4-Chlorotoluene	BRL		µg/kg wet	5.0						
1,2-Dibromo-3-chloropropane	BRL		µg/kg wet	10.0						
Dibromochloromethane	BRL		µg/kg wet	5.0						
1,2-Dibromoethane (EDB)	BRL		µg/kg wet	5.0						
Dibromomethane	BRL		µg/kg wet	5.0						
1,2-Dichlorobenzene	BRL		µg/kg wet	5.0						
1,3-Dichlorobenzene	BRL		µg/kg wet	5.0						
1,4-Dichlorobenzene	BRL		µg/kg wet	5.0						
Dichlorodifluoromethane (Freon12)	BRL		µg/kg wet	10.0						
1,1-Dichloroethane	BRL		µg/kg wet	5.0						
1,2-Dichloroethane	BRL		µg/kg wet	5.0						
1,1-Dichloroethene	BRL		µg/kg wet	5.0						
cis-1,2-Dichloroethene	BRL		µg/kg wet	5.0						
trans-1,2-Dichloroethene	BRL		µg/kg wet	5.0						
1,2-Dichloropropane	BRL		µg/kg wet	5.0						
1,3-Dichloropropane	BRL		µg/kg wet	5.0						
2,2-Dichloropropane	BRL		µg/kg wet	5.0						
1,1-Dichloropropene	BRL		µg/kg wet	5.0						
cis-1,3-Dichloropropene	BRL		µg/kg wet	5.0						
trans-1,3-Dichloropropene	BRL		µg/kg wet	5.0						
Ethylbenzene	BRL		µg/kg wet	5.0						
Hexachlorobutadiene	BRL		µg/kg wet	5.0						
2-Hexanone (MBK)	BRL		µg/kg wet	50.0						
Isopropylbenzene	BRL		µg/kg wet	5.0						
4-Isopropyltoluene	BRL		µg/kg wet	5.0						
Methyl tert-butyl ether	BRL		µg/kg wet	5.0						
4-Methyl-2-pentanone (MIBK)	BRL		µg/kg wet	50.0						
Methylene chloride	BRL		µg/kg wet	50.0						
Naphthalene	BRL		µg/kg wet	5.0						
n-Propylbenzene	BRL		µg/kg wet	5.0						

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9011612 - SW846 5035A Soil (low level)										
Blank (9011612-BLK1)										
Prepared & Analyzed: 26-Jan-09										
Styrene	BRL		µg/kg wet	5.0						
1,1,1,2-Tetrachloroethane	BRL		µg/kg wet	5.0						
1,1,2,2-Tetrachloroethane	BRL		µg/kg wet	5.0						
Tetrachloroethene	BRL		µg/kg wet	5.0						
Toluene	BRL		µg/kg wet	5.0						
1,2,3-Trichlorobenzene	BRL		µg/kg wet	5.0						
1,2,4-Trichlorobenzene	BRL		µg/kg wet	5.0						
1,3,5-Trichlorobenzene	BRL		µg/kg wet	5.0						
1,1,1-Trichloroethane	BRL		µg/kg wet	5.0						
1,1,2-Trichloroethane	BRL		µg/kg wet	5.0						
Trichloroethene	BRL		µg/kg wet	5.0						
Trichlorofluoromethane (Freon 11)	BRL		µg/kg wet	5.0						
1,2,3-Trichloropropane	BRL		µg/kg wet	5.0						
1,2,4-Trimethylbenzene	BRL		µg/kg wet	5.0						
1,3,5-Trimethylbenzene	BRL		µg/kg wet	5.0						
Vinyl chloride	BRL		µg/kg wet	5.0						
m,p-Xylene	BRL		µg/kg wet	10.0						
o-Xylene	BRL		µg/kg wet	5.0						
Tetrahydrofuran	BRL		µg/kg wet	50.0						
Ethyl ether	BRL		µg/kg wet	5.0						
Tert-amyl methyl ether	BRL		µg/kg wet	5.0						
Ethyl tert-butyl ether	BRL		µg/kg wet	5.0						
Di-isopropyl ether	BRL		µg/kg wet	5.0						
Tert-Butanol / butyl alcohol	BRL		µg/kg wet	50.0						
1,4-Dioxane	BRL		µg/kg wet	100						
trans-1,4-Dichloro-2-butene	BRL		µg/kg wet	25.0						
Ethanol	BRL		µg/kg wet	2000						
Surrogate: 4-Bromofluorobenzene	*44.2*		µg/kg wet		*50.0*		*88*	*70-130*		
Surrogate: Toluene-d8	*45.6*		µg/kg wet		*50.0*		*91*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*59.4*		µg/kg wet		*50.0*		*119*	*70-130*		
Surrogate: Dibromofluoromethane	*50.2*		µg/kg wet		*50.0*		*100*	*70-130*		
LCS (9011612-BS1)										
Prepared & Analyzed: 26-Jan-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	25.4		µg/kg wet		20.0		127	70-130		
Acetone	8.2		µg/kg wet		20.0		41	7.9-168		
Acrylonitrile	17.5		µg/kg wet		20.0		88	70-130		
Benzene	22.0		µg/kg wet		20.0		110	70-130		
Bromobenzene	17.2		µg/kg wet		20.0		86	70-130		
Bromochloromethane	16.6		µg/kg wet		20.0		83	70-130		
Bromodichloromethane	20.9		µg/kg wet		20.0		104	70-130		
Bromoform	18.4		µg/kg wet		20.0		92	70-130		
Bromomethane	15.0		µg/kg wet		20.0		75	50-134		
2-Butanone (MEK)	18.0		µg/kg wet		20.0		90	44.6-130		
n-Butylbenzene	24.1		µg/kg wet		20.0		120	70-130		
sec-Butylbenzene	18.8		µg/kg wet		20.0		94	70-130		
tert-Butylbenzene	18.3		µg/kg wet		20.0		91	70-130		
Carbon disulfide	22.4		µg/kg wet		20.0		112	70-130		
Carbon tetrachloride	24.1		µg/kg wet		20.0		120	70-130		
Chlorobenzene	19.9		µg/kg wet		20.0		100	70-130		
Chloroethane	16.0		µg/kg wet		20.0		80	59.2-130		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9011612 - SW846 5035A Soil (low level)										
LCS (9011612-BS1)										
Prepared & Analyzed: 26-Jan-09										
Chloroform	20.2		µg/kg wet		20.0		101	70-130		
Chloromethane	14.1		µg/kg wet		20.0		70	70-130		
2-Chlorotoluene	19.6		µg/kg wet		20.0		98	70-130		
4-Chlorotoluene	18.6		µg/kg wet		20.0		93	70-130		
1,2-Dibromo-3-chloropropane	20.5		µg/kg wet		20.0		103	70-130		
Dibromochloromethane	18.3		µg/kg wet		20.0		91	63.8-130		
1,2-Dibromoethane (EDB)	17.0		µg/kg wet		20.0		85	70-130		
Dibromomethane	18.6		µg/kg wet		20.0		93	70-130		
1,2-Dichlorobenzene	20.4		µg/kg wet		20.0		102	70-130		
1,3-Dichlorobenzene	16.7		µg/kg wet		20.0		83	70-130		
1,4-Dichlorobenzene	21.0		µg/kg wet		20.0		105	70-130		
Dichlorodifluoromethane (Freon12)	17.6		µg/kg wet		20.0		88	41.8-130		
1,1-Dichloroethane	21.1		µg/kg wet		20.0		106	70-130		
1,2-Dichloroethane	20.0		µg/kg wet		20.0		100	70-130		
1,1-Dichloroethene	24.0		µg/kg wet		20.0		120	70-130		
cis-1,2-Dichloroethene	20.8		µg/kg wet		20.0		104	70-130		
trans-1,2-Dichloroethene	21.4		µg/kg wet		20.0		107	70-130		
1,2-Dichloropropane	21.3		µg/kg wet		20.0		107	70-130		
1,3-Dichloropropane	18.0		µg/kg wet		20.0		90	70-130		
2,2-Dichloropropane	22.5		µg/kg wet		20.0		112	70-130		
1,1-Dichloropropene	23.2		µg/kg wet		20.0		116	70-130		
cis-1,3-Dichloropropene	19.3		µg/kg wet		20.0		96	70-130		
trans-1,3-Dichloropropene	20.2		µg/kg wet		20.0		101	70-130		
Ethylbenzene	20.8		µg/kg wet		20.0		104	70-130		
Hexachlorobutadiene	19.5		µg/kg wet		20.0		97	68.3-130		
2-Hexanone (MBK)	14.4		µg/kg wet		20.0		72	70-130		
Isopropylbenzene	19.4		µg/kg wet		20.0		97	70-130		
4-Isopropyltoluene	22.5		µg/kg wet		20.0		112	70-130		
Methyl tert-butyl ether	21.7		µg/kg wet		20.0		108	70-130		
4-Methyl-2-pentanone (MIBK)	15.2		µg/kg wet		20.0		76	53.1-132		
Methylene chloride	16.6		µg/kg wet		20.0		83	70-130		
Naphthalene	16.3		µg/kg wet		20.0		82	70-130		
n-Propylbenzene	19.2		µg/kg wet		20.0		96	70-130		
Styrene	18.4		µg/kg wet		20.0		92	70-130		
1,1,1,2-Tetrachloroethane	20.8		µg/kg wet		20.0		104	70-130		
1,1,2,2-Tetrachloroethane	17.6		µg/kg wet		20.0		88	70-130		
Tetrachloroethene	19.5		µg/kg wet		20.0		98	70-130		
Toluene	17.4		µg/kg wet		20.0		87	70-130		
1,2,3-Trichlorobenzene	17.5		µg/kg wet		20.0		88	70-130		
1,2,4-Trichlorobenzene	18.1		µg/kg wet		20.0		90	70-130		
1,3,5-Trichlorobenzene	19.1		µg/kg wet		20.0		96	70-130		
1,1,1-Trichloroethane	23.4		µg/kg wet		20.0		117	70-130		
1,1,2-Trichloroethane	17.6		µg/kg wet		20.0		88	70-130		
Trichloroethene	21.7		µg/kg wet		20.0		109	70-130		
Trichlorofluoromethane (Freon 11)	22.1		µg/kg wet		20.0		111	68.2-130		
1,2,3-Trichloropropane	18.5		µg/kg wet		20.0		92	70-130		
1,2,4-Trimethylbenzene	18.3		µg/kg wet		20.0		91	70-130		
1,3,5-Trimethylbenzene	18.7		µg/kg wet		20.0		93	70-130		
Vinyl chloride	18.0		µg/kg wet		20.0		90	70-130		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9011612 - SW846 5035A Soil (low level)										
LCS (9011612-BS1)										
Prepared & Analyzed: 26-Jan-09										
m,p-Xylene	39.7		µg/kg wet		40.0		99	70-130		
o-Xylene	19.2		µg/kg wet		20.0		96	70-130		
Tetrahydrofuran	16.6		µg/kg wet		20.0		83	70-130		
Ethyl ether	20.6		µg/kg wet		20.0		103	70-130		
Tert-amyl methyl ether	20.5		µg/kg wet		20.0		102	70-130		
Ethyl tert-butyl ether	21.6		µg/kg wet		20.0		108	70-130		
Di-isopropyl ether	22.0		µg/kg wet		20.0		110	70-130		
Tert-Butanol / butyl alcohol	175		µg/kg wet		200		87	70-130		
1,4-Dioxane	128		µg/kg wet		200		64	48.7-130		
trans-1,4-Dichloro-2-butene	17.8		µg/kg wet		20.0		89	70-130		
Ethanol	308		µg/kg wet		400		77	70-130		
Surrogate: 4-Bromofluorobenzene	*45.1*		µg/kg wet		*50.0*		*90*	*70-130*		
Surrogate: Toluene-d8	*45.1*		µg/kg wet		*50.0*		*90*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*50.8*		µg/kg wet		*50.0*		*102*	*70-130*		
Surrogate: Dibromofluoromethane	*48.6*		µg/kg wet		*50.0*		*97*	*70-130*		
LCS Dup (9011612-BSD1)										
Prepared & Analyzed: 26-Jan-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	23.0		µg/kg wet		20.0		115	70-130	10	25
Acetone	14.6	QR2	µg/kg wet		20.0		73	7.9-168	57	50
Acrylonitrile	18.8		µg/kg wet		20.0		94	70-130	7	25
Benzene	21.8		µg/kg wet		20.0		109	70-130	0.9	25
Bromobenzene	19.0		µg/kg wet		20.0		95	70-130	10	25
Bromochloromethane	18.2		µg/kg wet		20.0		91	70-130	9	25
Bromodichloromethane	20.8		µg/kg wet		20.0		104	70-130	0.5	25
Bromoform	19.8		µg/kg wet		20.0		99	70-130	7	25
Bromomethane	18.1		µg/kg wet		20.0		91	50-134	19	50
2-Butanone (MEK)	16.0		µg/kg wet		20.0		80	44.6-130	12	50
n-Butylbenzene	24.3		µg/kg wet		20.0		121	70-130	0.9	25
sec-Butylbenzene	22.1		µg/kg wet		20.0		111	70-130	16	25
tert-Butylbenzene	20.9		µg/kg wet		20.0		104	70-130	13	25
Carbon disulfide	23.2		µg/kg wet		20.0		116	70-130	4	25
Carbon tetrachloride	22.5		µg/kg wet		20.0		112	70-130	7	25
Chlorobenzene	20.4		µg/kg wet		20.0		102	70-130	2	25
Chloroethane	19.2		µg/kg wet		20.0		96	59.2-130	18	50
Chloroform	18.8		µg/kg wet		20.0		94	70-130	7	25
Chloromethane	18.1		µg/kg wet		20.0		90	70-130	25	25
2-Chlorotoluene	21.7		µg/kg wet		20.0		108	70-130	10	25
4-Chlorotoluene	20.7		µg/kg wet		20.0		103	70-130	10	25
1,2-Dibromo-3-chloropropane	21.6		µg/kg wet		20.0		108	70-130	5	25
Dibromochloromethane	18.9		µg/kg wet		20.0		94	63.8-130	3	50
1,2-Dibromoethane (EDB)	18.6		µg/kg wet		20.0		93	70-130	9	25
Dibromomethane	18.2		µg/kg wet		20.0		91	70-130	2	25
1,2-Dichlorobenzene	20.7		µg/kg wet		20.0		104	70-130	1	25
1,3-Dichlorobenzene	19.3		µg/kg wet		20.0		97	70-130	15	25
1,4-Dichlorobenzene	20.3		µg/kg wet		20.0		102	70-130	3	25
Dichlorodifluoromethane (Freon12)	21.4		µg/kg wet		20.0		107	41.8-130	20	50
1,1-Dichloroethane	20.6		µg/kg wet		20.0		103	70-130	2	25
1,2-Dichloroethane	19.3		µg/kg wet		20.0		96	70-130	4	25
1,1-Dichloroethene	24.1		µg/kg wet		20.0		120	70-130	0.4	25
cis-1,2-Dichloroethene	19.7		µg/kg wet		20.0		98	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 9011612 - SW846 5035A Soil (low level)										
LCS Dup (9011612-BSD1)										
Prepared & Analyzed: 26-Jan-09										
trans-1,2-Dichloroethene	20.4		µg/kg wet		20.0		102	70-130	5	25
1,2-Dichloropropane	20.9		µg/kg wet		20.0		104	70-130	2	25
1,3-Dichloropropane	19.2		µg/kg wet		20.0		96	70-130	7	25
2,2-Dichloropropane	22.0		µg/kg wet		20.0		110	70-130	2	25
1,1-Dichloropropene	22.4		µg/kg wet		20.0		112	70-130	4	25
cis-1,3-Dichloropropene	20.0		µg/kg wet		20.0		100	70-130	4	25
trans-1,3-Dichloropropene	20.2		µg/kg wet		20.0		101	70-130	0.05	25
Ethylbenzene	21.4		µg/kg wet		20.0		107	70-130	3	25
Hexachlorobutadiene	20.8		µg/kg wet		20.0		104	68.3-130	7	50
2-Hexanone (MBK)	15.4		µg/kg wet		20.0		77	70-130	7	25
Isopropylbenzene	21.0		µg/kg wet		20.0		105	70-130	8	25
4-Isopropyltoluene	22.6		µg/kg wet		20.0		113	70-130	0.7	25
Methyl tert-butyl ether	20.5		µg/kg wet		20.0		103	70-130	5	25
4-Methyl-2-pentanone (MIBK)	18.2		µg/kg wet		20.0		91	53.1-132	18	50
Methylene chloride	19.0		µg/kg wet		20.0		95	70-130	13	25
Naphthalene	17.8		µg/kg wet		20.0		89	70-130	8	25
n-Propylbenzene	22.0		µg/kg wet		20.0		110	70-130	13	25
Styrene	20.7		µg/kg wet		20.0		103	70-130	12	25
1,1,1,2-Tetrachloroethane	19.6		µg/kg wet		20.0		98	70-130	6	25
1,1,2,2-Tetrachloroethane	19.8		µg/kg wet		20.0		99	70-130	12	25
Tetrachloroethene	19.4		µg/kg wet		20.0		97	70-130	0.6	25
Toluene	18.2		µg/kg wet		20.0		91	70-130	5	25
1,2,3-Trichlorobenzene	18.8		µg/kg wet		20.0		94	70-130	7	25
1,2,4-Trichlorobenzene	18.5		µg/kg wet		20.0		92	70-130	2	25
1,3,5-Trichlorobenzene	19.9		µg/kg wet		20.0		99	70-130	4	25
1,1,1-Trichloroethane	22.0		µg/kg wet		20.0		110	70-130	6	25
1,1,2-Trichloroethane	18.4		µg/kg wet		20.0		92	70-130	5	25
Trichloroethene	20.9		µg/kg wet		20.0		105	70-130	4	25
Trichlorofluoromethane (Freon 11)	22.9		µg/kg wet		20.0		114	68.2-130	3	50
1,2,3-Trichloropropane	19.5		µg/kg wet		20.0		97	70-130	5	25
1,2,4-Trimethylbenzene	20.9		µg/kg wet		20.0		105	70-130	14	25
1,3,5-Trimethylbenzene	21.1		µg/kg wet		20.0		106	70-130	12	25
Vinyl chloride	21.9		µg/kg wet		20.0		110	70-130	20	25
m,p-Xylene	42.9		µg/kg wet		40.0		107	70-130	8	25
o-Xylene	21.1		µg/kg wet		20.0		105	70-130	9	25
Tetrahydrofuran	16.4		µg/kg wet		20.0		82	70-130	2	25
Ethyl ether	19.6		µg/kg wet		20.0		98	70-130	5	50
Tert-amyl methyl ether	19.7		µg/kg wet		20.0		99	70-130	4	25
Ethyl tert-butyl ether	20.6		µg/kg wet		20.0		103	70-130	5	25
Di-isopropyl ether	20.8		µg/kg wet		20.0		104	70-130	6	25
Tert-Butanol / butyl alcohol	193		µg/kg wet		200		97	70-130	10	25
1,4-Dioxane	149		µg/kg wet		200		74	48.7-130	15	25
trans-1,4-Dichloro-2-butene	18.4		µg/kg wet		20.0		92	70-130	3	25
Ethanol	376		µg/kg wet		400		94	70-130	20	30
Surrogate: 4-Bromofluorobenzene	*49.6*		µg/kg wet		*50.0*		*99*	*70-130*		
Surrogate: Toluene-d8	*46.3*		µg/kg wet		*50.0*		*93*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*47.1*		µg/kg wet		*50.0*		*94*	*70-130*		
Surrogate: Dibromofluoromethane	*46.6*		µg/kg wet		*50.0*		*93*	*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 9011586 - SW846 3550B										
Blank (9011586-BLK1)										
Prepared: 26-Jan-09 Analyzed: 27-Jan-09										
Acenaphthene	BRL		µg/kg wet	330						
Acenaphthylene	BRL		µg/kg wet	330						
Aniline	BRL		µg/kg wet	330						
Anthracene	BRL		µg/kg wet	330						
Atrazine	BRL		µg/kg wet	330						
Azobenzene/Diphenyldiazine	BRL		µg/kg wet	330						
Benzidine	BRL		µg/kg wet	330						
Benzo (a) anthracene	BRL		µg/kg wet	330						
Benzo (a) pyrene	BRL		µg/kg wet	330						
Benzo (b) fluoranthene	BRL		µg/kg wet	330						
Benzo (g,h,i) perylene	BRL		µg/kg wet	330						
Benzo (k) fluoranthene	BRL		µg/kg wet	330						
Benzoic acid	BRL		µg/kg wet	330						
Benzyl alcohol	BRL		µg/kg wet	330						
Bis(2-chloroethoxy)methane	BRL		µg/kg wet	330						
Bis(2-chloroethyl)ether	BRL		µg/kg wet	330						
Bis(2-chloroisopropyl)ether	BRL		µg/kg wet	330						
Bis(2-ethylhexyl)phthalate	BRL		µg/kg wet	330						
4-Bromophenyl phenyl ether	BRL		µg/kg wet	330						
Butyl benzyl phthalate	BRL		µg/kg wet	330						
Carbazole	BRL		µg/kg wet	330						
4-Chloro-3-methylphenol	BRL		µg/kg wet	330						
4-Chloroaniline	BRL		µg/kg wet	330						
2-Chloronaphthalene	BRL		µg/kg wet	330						
2-Chlorophenol	BRL		µg/kg wet	330						
4-Chlorophenyl phenyl ether	BRL		µg/kg wet	330						
Chrysene	BRL		µg/kg wet	330						
Dibenzo (a,h) anthracene	BRL		µg/kg wet	330						
Dibenzofuran	BRL		µg/kg wet	330						
1,2-Dichlorobenzene	BRL		µg/kg wet	330						
1,3-Dichlorobenzene	BRL		µg/kg wet	330						
1,4-Dichlorobenzene	BRL		µg/kg wet	330						
3,3'-Dichlorobenzidine	BRL		µg/kg wet	330						
2,4-Dichlorophenol	BRL		µg/kg wet	330						
Diethyl phthalate	BRL		µg/kg wet	330						
Dimethyl phthalate	BRL		µg/kg wet	330						
2,4-Dimethylphenol	BRL		µg/kg wet	330						
Di-n-butyl phthalate	BRL		µg/kg wet	330						
4,6-Dinitro-2-methylphenol	BRL		µg/kg wet	330						
2,4-Dinitrophenol	BRL		µg/kg wet	330						
2,4-Dinitrotoluene	BRL		µg/kg wet	330						
2,6-Dinitrotoluene	BRL		µg/kg wet	330						
Di-n-octyl phthalate	BRL		µg/kg wet	330						
Fluoranthene	BRL		µg/kg wet	330						
Fluorene	BRL		µg/kg wet	330						
Hexachlorobenzene	BRL		µg/kg wet	330						
Hexachlorobutadiene	BRL		µg/kg wet	330						
Hexachlorocyclopentadiene	BRL		µg/kg wet	330						
Hexachloroethane	BRL		µg/kg wet	330						

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9011586 - SW846 3550B										
LCS (9011586-BS1)										
Prepared: 26-Jan-09 Analyzed: 27-Jan-09										
Pentachlorophenol	2140		µg/kg wet	330	3330		64	40-130		
Phenanthrene	2710		µg/kg wet	330	3330		81	40-130		
Phenol	2400		µg/kg wet	330	3330		72	40-130		
Pyrene	3100		µg/kg wet	330	3330		93	40-130		
Pyridine	395		µg/kg wet	330	3330		12	0-130		
1,2,4-Trichlorobenzene	2240		µg/kg wet	330	3330		67	40-130		
2,4,5-Trichlorophenol	2430		µg/kg wet	330	3330		73	40-130		
2,4,6-Trichlorophenol	2320		µg/kg wet	330	3330		70	40-130		
Pentachloronitrobenzene	3280		µg/kg wet	330	3330		98	40-140		
1,2,4,5-Tetrachlorobenzene	2180		µg/kg wet	330	3330		65	40-140		
Surrogate: 2-Fluorobiphenyl	*2500*		µg/kg wet		*3330*		*75*	*30-130*		
Surrogate: 2-Fluorophenol	*2190*		µg/kg wet		*3330*		*66*	*15-110*		
Surrogate: Nitrobenzene-d5	*2660*		µg/kg wet		*3330*		*80*	*30-130*		
Surrogate: Phenol-d5	*2460*		µg/kg wet		*3330*		*74*	*15-110*		
Surrogate: Terphenyl-d14	*2880*		µg/kg wet		*3330*		*86*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*2740*		µg/kg wet		*3330*		*82*	*15-110*		
Duplicate (9011586-DUP1) **Source: SA90157-09**										
Prepared: 26-Jan-09 Analyzed: 27-Jan-09										
Acenaphthene	BRL		µg/kg dry	783		BRL				50
Acenaphthylene	BRL		µg/kg dry	783		BRL				50
Aniline	BRL		µg/kg dry	783		BRL				50
Anthracene	BRL		µg/kg dry	783		BRL				50
Atrazine	BRL		µg/kg dry	783		BRL				50
Azobenzene/Diphenyldiazine	BRL		µg/kg dry	783		BRL				50
Benzidine	BRL		µg/kg dry	783		BRL				50
Benzo (a) anthracene	BRL		µg/kg dry	783		BRL				50
Benzo (a) pyrene	BRL		µg/kg dry	783		BRL				50
Benzo (b) fluoranthene	BRL		µg/kg dry	783		BRL				50
Benzo (g,h,i) perylene	BRL		µg/kg dry	783		BRL				50
Benzo (k) fluoranthene	BRL		µg/kg dry	783		BRL				50
Benzoic acid	BRL		µg/kg dry	783		BRL				50
Benzyl alcohol	BRL		µg/kg dry	783		BRL				50
Bis(2-chloroethoxy)methane	BRL		µg/kg dry	783		BRL				50
Bis(2-chloroethyl)ether	BRL		µg/kg dry	783		BRL				50
Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	783		BRL				50
Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	783		BRL				50
4-Bromophenyl phenyl ether	BRL		µg/kg dry	783		BRL				50
Butyl benzyl phthalate	BRL		µg/kg dry	783		BRL				50
Carbazole	BRL		µg/kg dry	783		BRL				50
4-Chloro-3-methylphenol	BRL		µg/kg dry	783		BRL				50
4-Chloroaniline	BRL		µg/kg dry	783		BRL				50
2-Chloronaphthalene	BRL		µg/kg dry	783		BRL				50
2-Chlorophenol	BRL		µg/kg dry	783		BRL				50
4-Chlorophenyl phenyl ether	BRL		µg/kg dry	783		BRL				50
Chrysene	BRL		µg/kg dry	783		BRL				50
Dibenzo (a,h) anthracene	BRL		µg/kg dry	783		BRL				50
Dibenzofuran	BRL		µg/kg dry	783		BRL				50
1,2-Dichlorobenzene	BRL		µg/kg dry	783		BRL				50
1,3-Dichlorobenzene	BRL		µg/kg dry	783		BRL				50
1,4-Dichlorobenzene	BRL		µg/kg dry	783		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 9011586 - SW846 3550B										
Duplicate (9011586-DUP1) **Source: SA90157-09**										
Prepared: 26-Jan-09 Analyzed: 27-Jan-09										
3,3'-Dichlorobenzidine	BRL		µg/kg dry	783		BRL				50
2,4-Dichlorophenol	BRL		µg/kg dry	783		BRL				50
Diethyl phthalate	BRL		µg/kg dry	783		BRL				50
Dimethyl phthalate	BRL		µg/kg dry	783		BRL				50
2,4-Dimethylphenol	BRL		µg/kg dry	783		BRL				50
Di-n-butyl phthalate	BRL		µg/kg dry	783		BRL				50
4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	783		BRL				50
2,4-Dinitrophenol	BRL		µg/kg dry	783		BRL				50
2,4-Dinitrotoluene	BRL		µg/kg dry	783		BRL				50
2,6-Dinitrotoluene	BRL		µg/kg dry	783		BRL				50
Di-n-octyl phthalate	BRL		µg/kg dry	783		BRL				50
Fluoranthene	BRL		µg/kg dry	783		BRL				50
Fluorene	BRL		µg/kg dry	783		BRL				50
Hexachlorobenzene	BRL		µg/kg dry	783		BRL				50
Hexachlorobutadiene	BRL		µg/kg dry	783		BRL				50
Hexachlorocyclopentadiene	BRL		µg/kg dry	783		BRL				50
Hexachloroethane	BRL		µg/kg dry	783		BRL				50
Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	783		BRL				50
Isophorone	BRL		µg/kg dry	783		BRL				50
1-Methylnaphthalene	BRL		µg/kg dry	783		BRL				50
2-Methylnaphthalene	BRL		µg/kg dry	783		BRL				50
2-Methylphenol	BRL		µg/kg dry	783		BRL				50
3 & 4-Methylphenol	BRL		µg/kg dry	783		BRL				50
Naphthalene	BRL		µg/kg dry	783		BRL				50
2-Nitroaniline	BRL		µg/kg dry	783		BRL				50
3-Nitroaniline	BRL		µg/kg dry	783		BRL				50
4-Nitroaniline	BRL		µg/kg dry	3130		BRL				50
Nitrobenzene	BRL		µg/kg dry	783		BRL				50
2-Nitrophenol	BRL		µg/kg dry	783		BRL				50
4-Nitrophenol	BRL		µg/kg dry	3130		BRL				50
N-Nitrosodimethylamine	BRL		µg/kg dry	783		BRL				50
N-Nitrosodi-n-propylamine	BRL		µg/kg dry	783		BRL				50
N-Nitrosodiphenylamine	BRL		µg/kg dry	783		BRL				50
Pentachlorophenol	BRL		µg/kg dry	783		BRL				50
Phenanthrene	BRL		µg/kg dry	783		BRL				50
Phenol	BRL		µg/kg dry	783		BRL				50
Pyrene	BRL		µg/kg dry	783		BRL				50
Pyridine	BRL		µg/kg dry	783		BRL				50
1,2,4-Trichlorobenzene	BRL		µg/kg dry	783		BRL				50
2,4,5-Trichlorophenol	BRL		µg/kg dry	783		BRL				50
2,4,6-Trichlorophenol	BRL		µg/kg dry	783		BRL				50
Pentachloronitrobenzene	BRL		µg/kg dry	783		BRL				50
1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	783		BRL				50
Surrogate: 2-Fluorobiphenyl	*3120*		µg/kg dry		*3950*		*79*	*30-130*		
Surrogate: 2-Fluorophenol	*2950*		µg/kg dry		*3950*		*75*	*15-110*		
Surrogate: Nitrobenzene-d5	*3140*		µg/kg dry		*3950*		*79*	*30-130*		
Surrogate: Phenol-d5	*2800*		µg/kg dry		*3950*		*71*	*15-110*		
Surrogate: Terphenyl-d14	*2800*		µg/kg dry		*3950*		*71*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*2800*		µg/kg dry		*3950*		*71*	*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 9011586 - SW846 3550B										
Matrix Spike (9011586-MS1) Source: SA90157-09										
Prepared: 26-Jan-09 Analyzed: 27-Jan-09										
Acenaphthene	3030		µg/kg dry	398	4030	BRL	75	40-140		
Benzo (b) fluoranthene	2700		µg/kg dry	398	4030	BRL	67	40-140		
Benzo (k) fluoranthene	3210		µg/kg dry	398	4030	BRL	80	40-140		
4-Chloro-3-methylphenol	3300		µg/kg dry	398	4030	BRL	82	30-130		
2-Chlorophenol	2990		µg/kg dry	398	4030	BRL	74	30-130		
Chrysene	2910		µg/kg dry	398	4030	BRL	72	40-140		
1,4-Dichlorobenzene	2720		µg/kg dry	398	4030	BRL	68	40-140		
Indeno (1,2,3-cd) pyrene	3080		µg/kg dry	398	4030	BRL	77	40-140		
Naphthalene	2880		µg/kg dry	398	4030	BRL	72	40-140		
4-Nitrophenol	3390		µg/kg dry	1590	4030	BRL	84	30-130		
N-Nitrosodi-n-propylamine	3650		µg/kg dry	398	4030	BRL	91	40-140		
Pentachlorophenol	2890		µg/kg dry	398	4030	BRL	72	30-130		
Phenol	3220		µg/kg dry	398	4030	BRL	80	30-130		
Pyrene	2760		µg/kg dry	398	4030	BRL	69	40-140		
1,2,4-Trichlorobenzene	2620		µg/kg dry	398	4030	BRL	65	40-140		
Surrogate: 2-Fluorobiphenyl	*2910*		µg/kg dry		*4030*		*72*	*30-130*		
Surrogate: 2-Fluorophenol	*2680*		µg/kg dry		*4030*		*67*	*15-110*		
Surrogate: Nitrobenzene-d5	*3060*		µg/kg dry		*4030*		*76*	*30-130*		
Surrogate: Phenol-d5	*2620*		µg/kg dry		*4030*		*65*	*15-110*		
Surrogate: Terphenyl-d14	*2460*		µg/kg dry		*4030*		*61*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*3310*		µg/kg dry		*4030*		*82*	*15-110*		
Matrix Spike Dup (9011586-MSD1) Source: SA90157-09										
Prepared: 26-Jan-09 Analyzed: 27-Jan-09										
Acenaphthene	3200		µg/kg dry	395	3990	BRL	80	40-140	6	30
Benzo (b) fluoranthene	3150		µg/kg dry	395	3990	BRL	79	40-140	16	30
Benzo (k) fluoranthene	2900		µg/kg dry	395	3990	BRL	73	40-140	10	30
4-Chloro-3-methylphenol	3120		µg/kg dry	395	3990	BRL	78	30-130	5	30
2-Chlorophenol	2950		µg/kg dry	395	3990	BRL	74	30-130	0.5	30
Chrysene	3050		µg/kg dry	395	3990	BRL	76	40-140	5	30
1,4-Dichlorobenzene	2980		µg/kg dry	395	3990	BRL	75	40-140	10	30
Indeno (1,2,3-cd) pyrene	3000		µg/kg dry	395	3990	BRL	75	40-140	2	30
Naphthalene	3020		µg/kg dry	395	3990	BRL	76	40-140	6	30
4-Nitrophenol	3200		µg/kg dry	1580	3990	BRL	80	30-130	5	30
N-Nitrosodi-n-propylamine	3490		µg/kg dry	395	3990	BRL	87	40-140	4	30
Pentachlorophenol	2890		µg/kg dry	395	3990	BRL	72	30-130	0.7	30
Phenol	3100		µg/kg dry	395	3990	BRL	78	30-130	3	30
Pyrene	3040		µg/kg dry	395	3990	BRL	76	40-140	10	30
1,2,4-Trichlorobenzene	2680		µg/kg dry	395	3990	BRL	67	40-140	3	30
Surrogate: 2-Fluorobiphenyl	*3000*		µg/kg dry		*3990*		*75*	*30-130*		
Surrogate: 2-Fluorophenol	*2620*		µg/kg dry		*3990*		*66*	*15-110*		
Surrogate: Nitrobenzene-d5	*3090*		µg/kg dry		*3990*		*77*	*30-130*		
Surrogate: Phenol-d5	*2480*		µg/kg dry		*3990*		*62*	*15-110*		
Surrogate: Terphenyl-d14	*2670*		µg/kg dry		*3990*		*67*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*3310*		µg/kg dry		*3990*		*83*	*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 9011590 - SW846 3550B										
Blank (9011590-BLK1)										
Prepared: 26-Jan-09 Analyzed: 27-Jan-09										
PCB 1016	BRL		µg/kg wet	20.0						
PCB 1221	BRL		µg/kg wet	20.0						
PCB 1232	BRL		µg/kg wet	20.0						
PCB 1242	BRL		µg/kg wet	20.0						
PCB 1248	BRL		µg/kg wet	20.0						
PCB 1254	BRL		µg/kg wet	20.0						
PCB 1260	BRL		µg/kg wet	20.0						
PCB 1262	BRL		µg/kg wet	20.0						
PCB 1268	BRL		µg/kg wet	20.0						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*18.2*		µg/kg wet		*20.0*		*91*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*11.2*		µg/kg wet		*20.0*		*56*	*30-150*		
LCS (9011590-BS1)										
Prepared: 26-Jan-09 Analyzed: 27-Jan-09										
PCB 1016	253		µg/kg wet	20.0	250		101	40-140		
PCB 1260	299		µg/kg wet	20.0	250		120	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*19.0*		µg/kg wet		*20.0*		*95*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*11.4*		µg/kg wet		*20.0*		*57*	*30-150*		
LCS Dup (9011590-BSD1)										
Prepared: 26-Jan-09 Analyzed: 27-Jan-09										
PCB 1016	244		µg/kg wet	20.0	250		97	40-140	4	30
PCB 1260	289		µg/kg wet	20.0	250		115	40-140	4	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*18.4*		µg/kg wet		*20.0*		*92*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*10.8*		µg/kg wet		*20.0*		*54*	*30-150*		
Duplicate (9011590-DUP1) **Source: SA90179-01**										
Prepared: 26-Jan-09 Analyzed: 27-Jan-09										
PCB 1016	BRL		µg/kg dry	21.6		BRL				40
PCB 1221	BRL		µg/kg dry	21.6		BRL				40
PCB 1232	BRL		µg/kg dry	21.6		BRL				40
PCB 1242	BRL		µg/kg dry	21.6		BRL				40
PCB 1248	BRL		µg/kg dry	21.6		BRL				40
PCB 1254	BRL		µg/kg dry	21.6		BRL				40
PCB 1260	BRL		µg/kg dry	21.6		BRL				40
PCB 1262	BRL		µg/kg dry	21.6		BRL				40
PCB 1268	BRL		µg/kg dry	21.6		BRL				40
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*21.7*		µg/kg dry		*21.6*		*100*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*13.9*		µg/kg dry		*21.6*		*65*	*30-150*		
Matrix Spike (9011590-MS1) **Source: SA90179-01**										
Prepared: 26-Jan-09 Analyzed: 27-Jan-09										
PCB 1016	303		µg/kg dry	22.0	275	BRL	110	40-140		
PCB 1260	378		µg/kg dry	22.0	275	BRL	137	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*22.9*		µg/kg dry		*22.0*		*104*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*16.0*		µg/kg dry		*22.0*		*73*	*30-150*		
Matrix Spike Dup (9011590-MSD1) **Source: SA90179-01**										
Prepared: 26-Jan-09 Analyzed: 27-Jan-09										
PCB 1016	315		µg/kg dry	22.0	275	BRL	114	40-140	4	50
PCB 1260	382		µg/kg dry	22.0	275	BRL	139	40-140	0.9	50
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*23.8*		µg/kg dry		*22.0*		*108*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*16.5*		µg/kg dry		*22.0*		*75*	*30-150*		
Batch 9011686 - SW846 3550B										

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9011686 - SW846 3550B										
Blank (9011686-BLK1)										
Prepared: 27-Jan-09 Analyzed: 28-Jan-09										
2,4,5-T	BRL		µg/kg wet	6.70						
2,4,5-T [2C]	BRL		µg/kg wet	6.70						
2,4,5-TP (Silvex)	BRL		µg/kg wet	6.70						
2,4,5-TP (Silvex) [2C]	BRL		µg/kg wet	6.70						
2,4-D	BRL		µg/kg wet	6.70						
2,4-D [2C]	BRL		µg/kg wet	6.70						
2,4-DB	BRL		µg/kg wet	6.70						
2,4-DB [2C]	BRL		µg/kg wet	6.70						
Dalapon	BRL		µg/kg wet	6.70						
Dalapon [2C]	BRL		µg/kg wet	6.70						
Dicamba	BRL		µg/kg wet	6.70						
Dicamba [2C]	BRL		µg/kg wet	6.70						
Dichlorprop	BRL		µg/kg wet	6.70						
Dichlorprop [2C]	BRL		µg/kg wet	6.70						
Dinoseb	BRL		µg/kg wet	6.70						
Dinoseb [2C]	BRL		µg/kg wet	6.70						
MCPA	BRL		µg/kg wet	670						
MCPA [2C]	BRL		µg/kg wet	670						
MCPB	BRL		µg/kg wet	670						
MCPB [2C]	BRL		µg/kg wet	670						
MCPP	BRL		µg/kg wet	670						
MCPP [2C]	BRL		µg/kg wet	670						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*11.6*		µg/kg wet		*13.3*		*87*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [:	*11.1*		µg/kg wet		*13.3*		*83*	*30-150*		
LCS (9011686-BS1)										
Prepared: 27-Jan-09 Analyzed: 28-Jan-09										
2,4,5-T	24.4		µg/kg wet	6.70	33.3		73	40-140		
2,4,5-T [2C]	28.7		µg/kg wet	6.70	33.3		86	40-140		
2,4,5-TP (Silvex)	27.7		µg/kg wet	6.70	33.3		83	40-140		
2,4,5-TP (Silvex) [2C]	30.9		µg/kg wet	6.70	33.3		93	40-140		
2,4-D	23.1		µg/kg wet	6.70	33.3		69	40-140		
2,4-D [2C]	27.2		µg/kg wet	6.70	33.3		82	40-140		
2,4-DB	22.9		µg/kg wet	6.70	33.3		69	40-140		
2,4-DB [2C]	26.3		µg/kg wet	6.70	33.3		79	40-140		
Dalapon	24.2		µg/kg wet	6.70	33.3		73	40-140		
Dalapon [2C]	23.8		µg/kg wet	6.70	33.3		71	40-140		
Dicamba	28.0		µg/kg wet	6.70	33.3		84	40-140		
Dicamba [2C]	29.0		µg/kg wet	6.70	33.3		87	40-140		
Dichlorprop	29.5		µg/kg wet	6.70	33.3		88	40-140		
Dichlorprop [2C]	30.1		µg/kg wet	6.70	33.3		90	40-140		
Dinoseb	27.7		µg/kg wet	6.70	33.3		83	40-140		
Dinoseb [2C]	30.5		µg/kg wet	6.70	33.3		92	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*11.1*		µg/kg wet		*13.3*		*84*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [:	*11.6*		µg/kg wet		*13.3*		*87*	*30-150*		
LCS (9011686-BS2)										
Prepared: 27-Jan-09 Analyzed: 28-Jan-09										
MCPA	12900		µg/kg wet	670	10000		129	40-140		
MCPA [2C]	10500		µg/kg wet	670	10000		105	40-140		
MCPB	12600		µg/kg wet	670	10000		126	40-140		

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9011686 - SW846 3550B										
LCS (9011686-BS2)										
Prepared: 27-Jan-09 Analyzed: 28-Jan-09										
MCPB [2C]	12200		µg/kg wet	670	10000		122	40-140		
MCPP	9600		µg/kg wet	670	10000		96	40-140		
MCPP [2C]	11700		µg/kg wet	670	10000		117	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*11.0*		µg/kg wet		*13.3*		*83*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [:	*10.8*		µg/kg wet		*13.3*		*81*	*30-150*		
LCS Dup (9011686-BSD2)										
Prepared: 27-Jan-09 Analyzed: 28-Jan-09										
MCPA	13000		µg/kg wet	670	10000		130	40-140	1	25
MCPA [2C]	10300		µg/kg wet	670	10000		103	40-140	1	25
MCPB	12800		µg/kg wet	670	10000		128	40-140	2	25
MCPB [2C]	11900		µg/kg wet	670	10000		119	40-140	3	25
MCPP	10900		µg/kg wet	670	10000		109	40-140	13	25
MCPP [2C]	11000		µg/kg wet	670	10000		110	40-140	6	25
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*11.4*		µg/kg wet		*13.3*		*86*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [:	*10.1*		µg/kg wet		*13.3*		*76*	*30-150*		
Duplicate (9011686-DUP1) **Source: SA90179-02**										
Prepared: 27-Jan-09 Analyzed: 28-Jan-09										
2,4,5-T	BRL		µg/kg dry	6.70		BRL				30
2,4,5-T [2C]	BRL		µg/kg dry	6.70		BRL				30
2,4,5-TP (Silvex)	BRL		µg/kg dry	6.70		BRL				30
2,4,5-TP (Silvex) [2C]	BRL		µg/kg dry	6.70		BRL				30
2,4-D	BRL		µg/kg dry	6.70		BRL				30
2,4-D [2C]	BRL		µg/kg dry	6.70		BRL				30
2,4-DB	BRL		µg/kg dry	6.70		BRL				30
2,4-DB [2C]	BRL		µg/kg dry	6.70		BRL				30
Dalapon	BRL		µg/kg dry	6.70		BRL				30
Dalapon [2C]	BRL		µg/kg dry	6.70		BRL				30
Dicamba	BRL		µg/kg dry	6.70		BRL				30
Dicamba [2C]	BRL		µg/kg dry	6.70		BRL				30
Dichlorprop	BRL		µg/kg dry	6.70		BRL				30
Dichlorprop [2C]	BRL		µg/kg dry	6.70		BRL				30
Dinoseb	BRL		µg/kg dry	6.70		BRL				30
Dinoseb [2C]	BRL		µg/kg dry	6.70		BRL				30
MCPA	BRL		µg/kg dry	670		BRL				30
MCPA [2C]	BRL		µg/kg dry	670		BRL				30
MCPB	BRL		µg/kg dry	670		BRL				30
MCPB [2C]	BRL		µg/kg dry	670		BRL				30
MCPP	BRL		µg/kg dry	670		BRL				30
MCPP [2C]	BRL		µg/kg dry	670		BRL				30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*10.0*		µg/kg dry		*14.9*		*68*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [:	*13.4*		µg/kg dry		*14.9*		*90*	*30-150*		

Extractable Petroleum Hydrocarbons - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9011584 - SW846 3550B										
Blank (9011584-BLK1)										
Prepared: 26-Jan-09 Analyzed: 28-Jan-09										
Gasoline	BRL		mg/kg wet	13.3						
Fuel Oil #2	BRL		mg/kg wet	13.3						
Fuel Oil #4	BRL		mg/kg wet	13.3						
Fuel Oil #6	BRL		mg/kg wet	13.3						
Motor Oil	BRL		mg/kg wet	13.3						
Aviation Fuel	BRL		mg/kg wet	13.3						
Unidentified	BRL		mg/kg wet	13.3						
Other Oil	BRL		mg/kg wet	13.3						
Total Petroleum Hydrocarbons	BRL		mg/kg wet	13.3						
C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg wet	13.3						
Surrogate: 1-Chlorooctadecane	*2.73*		mg/kg wet		*3.33*		*82*	*50-150*		
LCS (9011584-BS1)										
Prepared: 26-Jan-09 Analyzed: 28-Jan-09										
C9-C36 Aliphatic Hydrocarbons	68.5		mg/kg wet	13.3	93.3		73	60-120		
Surrogate: 1-Chlorooctadecane	*2.42*		mg/kg wet		*3.33*		*72*	*50-150*		
Duplicate (9011584-DUP1) Source: SA90157-09										
Prepared: 26-Jan-09 Analyzed: 28-Jan-09										
Gasoline	BRL		mg/kg dry	31.5		BRL				50
Fuel Oil #2	BRL		mg/kg dry	31.5		BRL				50
Fuel Oil #4	BRL		mg/kg dry	31.5		BRL				50
Fuel Oil #6	BRL		mg/kg dry	31.5		BRL				50
Motor Oil	BRL		mg/kg dry	31.5		BRL				50
Aviation Fuel	BRL		mg/kg dry	31.5		BRL				50
Unidentified	BRL		mg/kg dry	31.5		BRL				50
Other Oil	BRL		mg/kg dry	31.5		BRL				50
Total Petroleum Hydrocarbons	BRL		mg/kg dry	31.5		BRL				50
C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	31.5		BRL				50
Surrogate: 1-Chlorooctadecane	*3.65*		mg/kg dry		*3.95*		*92*	*50-150*		
Matrix Spike (9011584-MS1) Source: SA90157-09										
Prepared: 26-Jan-09 Analyzed: 28-Jan-09										
C9-C36 Aliphatic Hydrocarbons	82.5		mg/kg dry	16.1	113	BRL	73	50-150		
Surrogate: 1-Chlorooctadecane	*2.89*		mg/kg dry		*4.03*		*72*	*50-150*		
Matrix Spike Dup (9011584-MSD1) Source: SA90157-09										
Prepared: 26-Jan-09 Analyzed: 28-Jan-09										
C9-C36 Aliphatic Hydrocarbons	77.6		mg/kg dry	16.0	113	BRL	69	50-150	6	30
Surrogate: 1-Chlorooctadecane	*2.72*		mg/kg dry		*4.02*		*68*	*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 9011514 - SW846 3050B										
Blank (9011514-BLK1)										
Prepared: 23-Jan-09 Analyzed: 27-Jan-09										
Selenium	BRL		mg/kg wet	1.28						
Lead	BRL		mg/kg wet	1.28						
Cadmium	BRL		mg/kg wet	0.426						
Silver	BRL		mg/kg wet	1.28						
Chromium	BRL		mg/kg wet	0.853						
Arsenic	BRL		mg/kg wet	1.28						
Barium	BRL		mg/kg wet	0.853						
Duplicate (9011514-DUP1) Source: SA90179-01										
Prepared: 23-Jan-09 Analyzed: 28-Jan-09										
Lead	23.7	QR6	mg/kg dry	1.59		10.3			79	20
Selenium	1.76		mg/kg dry	1.59		1.47			18	20
Silver	BRL		mg/kg dry	1.59		BRL				20
Arsenic	19.9	QR6	mg/kg dry	1.59		10.1			65	20
Cadmium	0.409	J	mg/kg dry	0.531		0.337			19	20
Chromium	11.7	QR6	mg/kg dry	1.06		8.68			30	20
Barium	46.1		mg/kg dry	1.06		43.7			5	20
Matrix Spike (9011514-MS1) Source: SA90179-02										
Prepared: 23-Jan-09 Analyzed: 28-Jan-09										
Selenium	136		mg/kg dry	1.63	136	1.59	99	75-125		
Lead	150		mg/kg dry	1.63	136	9.01	104	75-125		
Arsenic	133		mg/kg dry	1.63	136	1.59	97	75-125		
Silver	134		mg/kg dry	1.63	136	BRL	99	75-125		
Cadmium	138		mg/kg dry	0.543	136	0.264	102	75-125		
Chromium	149		mg/kg dry	1.09	136	9.71	103	75-125		
Barium	190		mg/kg dry	1.09	136	43.2	108	75-125		
Matrix Spike Dup (9011514-MSD1) Source: SA90179-02										
Prepared: 23-Jan-09 Analyzed: 28-Jan-09										
Selenium	139		mg/kg dry	1.67	140	1.59	98	75-125	2	20
Lead	168		mg/kg dry	1.67	140	9.01	114	75-125	12	20
Arsenic	136		mg/kg dry	1.67	140	1.59	96	75-125	2	20
Silver	139		mg/kg dry	1.67	140	BRL	100	75-125	4	20
Cadmium	143		mg/kg dry	0.558	140	0.264	102	75-125	3	20
Chromium	153		mg/kg dry	1.12	140	9.71	103	75-125	3	20
Barium	214		mg/kg dry	1.12	140	43.2	122	75-125	12	20
Post Spike (9011514-PS1) Source: SA90179-02										
Prepared: 23-Jan-09 Analyzed: 28-Jan-09										
Lead	150		mg/kg dry	1.70	142	9.01	100	80-120		
Selenium	138		mg/kg dry	1.70	142	1.59	96	80-120		
Arsenic	136		mg/kg dry	1.70	142	1.59	95	80-120		
Cadmium	142		mg/kg dry	0.567	142	0.264	100	80-120		
Chromium	149		mg/kg dry	1.13	142	9.71	98	80-120		
Silver	140		mg/kg dry	1.70	142	BRL	98	80-120		
Barium	184		mg/kg dry	1.13	142	43.2	100	80-120		
Reference (9011514-SRM1)										
Prepared: 23-Jan-09 Analyzed: 28-Jan-09										
Lead	46.5		mg/kg wet	1.50	44.6		104	78.8-120.9		
Selenium	151		mg/kg wet	1.50	148		102	76.6-123.1		

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 9011514 - SW846 3050B										
Reference (9011514-SRM1)										
Prepared: 23-Jan-09 Analyzed: 28-Jan-09										
Silver	15.8		mg/kg wet	1.50	15.6		101	66.4-133.6		
Chromium	125		mg/kg wet	1.00	122		102	79.7-120.3		
Cadmium	31.6		mg/kg wet	0.500	31.5		100	80.9-119.3		
Arsenic	53.2		mg/kg wet	1.50	53.9		99	77.6-123.1		
Barium	110		mg/kg wet	1.00	103		107	79.8-119.7		
Reference (9011514-SRM2)										
Prepared: 23-Jan-09 Analyzed: 28-Jan-09										
Selenium	148		mg/kg wet	1.50	143		104	76.6-123.1		
Lead	44.1		mg/kg wet	1.50	43.1		102	78.8-120.9		
Chromium	124		mg/kg wet	1.00	118		105	79.7-120.3		
Silver	15.5		mg/kg wet	1.50	15.1		103	66.4-133.6		
Arsenic	51.7		mg/kg wet	1.50	52.1		99	77.6-123.1		
Cadmium	30.8		mg/kg wet	0.500	30.4		101	80.9-119.3		
Barium	112		mg/kg wet	1.00	99.3		113	79.8-119.7		
Batch 9011515 - EPA200/SW7000 Series										
Blank (9011515-BLK1)										
Prepared: 23-Jan-09 Analyzed: 26-Jan-09										
Mercury	BRL		mg/kg wet	0.0288						
Duplicate (9011515-DUP1) Source: SA90179-01										
Prepared: 23-Jan-09 Analyzed: 26-Jan-09										
Mercury	0.0424	QR8	mg/kg dry	0.0325		0.0587			32	20
Matrix Spike (9011515-MS1) Source: SA90179-02										
Prepared: 23-Jan-09 Analyzed: 26-Jan-09										
Mercury	0.560		mg/kg dry	0.0336	0.467	0.0219	115	75-125		
Matrix Spike Dup (9011515-MSD1) Source: SA90179-02										
Prepared: 23-Jan-09 Analyzed: 26-Jan-09										
Mercury	0.511		mg/kg dry	0.0304	0.422	0.0219	116	75-125	9	20
Post Spike (9011515-PS1) Source: SA90179-02										
Prepared: 23-Jan-09 Analyzed: 26-Jan-09										
Mercury	0.504		mg/kg dry	0.0338	0.470	0.0219	103	80-120		
Reference (9011515-SRM1)										
Prepared: 23-Jan-09 Analyzed: 26-Jan-09										
Mercury	2.41		mg/kg wet	0.0300	2.18		110	71.7-128.8		

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 9020464 - SW846 3010A										
Blank (9020464-BLK1)										
Prepared: 06-Feb-09 Analyzed: 09-Feb-09										
Lead	BRL		mg/l	0.0150						
Chromium	BRL		mg/l	0.0100						
Arsenic	BRL		mg/l	0.0080						
LCS (9020464-BS1)										
Prepared: 06-Feb-09 Analyzed: 07-Feb-09										
Lead	2.45		mg/l	0.0150	2.50		98	85-115		
Chromium	2.49		mg/l	0.0100	2.50		100	85-115		
Arsenic	2.44		mg/l	0.0080	2.50		98	85-115		
LCS Dup (9020464-BSD1)										
Prepared: 06-Feb-09 Analyzed: 07-Feb-09										
Lead	2.45		mg/l	0.0150	2.50		98	85-115	0.1	20
Chromium	2.48		mg/l	0.0100	2.50		99	85-115	0.1	20
Arsenic	2.44		mg/l	0.0080	2.50		98	85-115	0.2	20
Duplicate (9020464-DUP1) Source: SA90179-01										
Prepared: 06-Feb-09 Analyzed: 07-Feb-09										
Lead	BRL		mg/l	0.0150		BRL				20
Arsenic	BRL		mg/l	0.0080		BRL				20
Chromium	BRL		mg/l	0.0100		BRL				20
Matrix Spike (9020464-MS1) Source: SA90067-02										
Prepared: 06-Feb-09 Analyzed: 07-Feb-09										
Lead	2.45		mg/l	0.0150	2.50	BRL	98	75-125		
Arsenic	2.47		mg/l	0.0080	2.50	BRL	99	75-125		
Chromium	2.49		mg/l	0.0100	2.50	BRL	99	75-125		
Matrix Spike Dup (9020464-MSD1) Source: SA90067-02										
Prepared: 06-Feb-09 Analyzed: 07-Feb-09										
Lead	2.44		mg/l	0.0150	2.50	BRL	97	75-125	0.7	20
Arsenic	2.44		mg/l	0.0080	2.50	BRL	98	75-125	1	20
Chromium	2.47		mg/l	0.0100	2.50	BRL	99	75-125	0.5	20
Post Spike (9020464-PS1) Source: SA90067-02										
Prepared: 06-Feb-09 Analyzed: 07-Feb-09										
Lead	2.49		mg/l	0.0150	2.50	BRL	100	75-125		
Arsenic	2.48		mg/l	0.0080	2.50	BRL	99	75-125		
Chromium	2.52		mg/l	0.0100	2.50	BRL	101	75-125		

General Chemistry Parameters - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9011547 - General Preparation										
Duplicate (9011547-DUP1) Source: SA90177-73										
Prepared & Analyzed: 23-Jan-09										
% Solids	84.1		%			86.1			2	20

Notes and Definitions

QC1	Analyte out of acceptance range.
QC2	Analyte out of acceptance range in QC spike but no reportable concentration present in sample.
QR2	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
QR6	The RPD exceeded the QC control limits; however precision is demonstrated with acceptable RPD values for MS/MSD.
QR8	Analyses are not controlled on RPD values from sample concentrations that are less 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.
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.
Nicole Leja
Rebecca Merz

CHAIN OF CUSTODY RECORD

Page 1 of 1

SA 901791K

SPECTRUM ANALYTICAL, INC.
Formerly
HANDAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

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.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Tetra Tech Rizzo
150 Trumbull St. 4th fl.
Hartford, CT 06103

Project Mgr.: David Brassard

Invoice To: DAS X44236

P.O. No.: _____ RQN: _____

Project No.: 127-17797-08011
Site Name: Hartford Busway
Location: Hartford State: CT
Sampler(s): Patrick deFeuds

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= _____ 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

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

QA/QC Reporting Level
- [x] Standard
- [ ] No QC
- [ ] Other: _____

* State specific reporting standards: CT

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	VOC 8260	SVOC 8270	CT ETPH	PCB 8080	Herbicides 8151	Total RCRA 8 Metals
901791-01	RSB-B45	1/21/09	1400	G	SO	7	3	2			X	X	X	X	X	X
02	RSB-B46		1330													
03	RSB-D1		1155													
04	RSB-D2		1125													
05	RSB-D4		1015													
06	RSB-D5		950													
07	RSB-D6		915													
08	RSB-D7		1430													
09	RSB-D8		830								X	X	X	X	X	X

- [ ] Fax results when available to (____) _____
- [x] E-mail to patrick.defeuds@tetratech.com
EDD Format _____

Condition upon receipt: [ ] Iced [ ] Ambient [ ] °C 23

-10°

Relinquished by:	Received by:	Date:	Time:
Patrick deFeuds	[signature]	1-22-09	1130
[signature]	[signature]	1/22/09	1300

Sa 901794K

SPECTRUM ANALYTICAL, INC.
Formerly
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

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

Report To: Tetra Tech Rizzo
150 Trumbull St, 4th fl.
Hartford, CT 06103

Project Mgr.: David Brassard

Invoice To: DAS X44236

P.O. No.: _____ RQN: _____

Project No.: 127-17797-08011
Site Name: Hartford Busway
Location: Hartford State: CT
Sampler(s): Patrick deSanda

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=_____ 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

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

QA/QC Reporting Level
☒ Standard ☐ No QC
☐ Other _____
* State specific reporting standards: CT

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	VOC 8260	SVOC 8270	CT ETPH	PCB 8080	Herbicides 8151	Total RCRA 8 Metals	SPLP As, Pb, Cr	QA Reporting Notes
901794 01	RSB-B45	1/21/09	1400	G	SO	7	3	2			X	X	X	X	X	X	X	added per chain request 2/14
02	RSB-B46		1330															
03	RSB-D1		1155															
04	RSB-D2		1125															
05	RSB-D4		1015															
06	RSB-D5		950															
07	RSB-D6		915															
08	RSB-D7		1430															
09	RSB-D8		830								X	X	X	X	X	X	X	

☐ Fax results when available to (____) _____
☒ E-mail to patrick.desanda@tetratech.com
EDD Format _____

Condition upon receipt: ☐ Iced ☐ Ambient ☐ °C 23
-10°

Relinquished by:	Received by:	Date:	Time:
Patrick deSanda	[illegible]	1-22-09	1130
[illegible]	[illegible]	1/22/09	1300

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

Report Date:
24-Feb-09 11:53

☐ Final Report
☐ Re-Issued Report
☑ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

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

Project: Hartford Busway - Hartford, CT
Project 127-17797-08011

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SA90121-01	RSB-D9	Soil	20-Jan-09 11:15	21-Jan-09 14:55
SA90121-02	RSB-D10	Soil	20-Jan-09 11:00	21-Jan-09 14:55
SA90121-03	RSB-D11	Soil	20-Jan-09 10:35	21-Jan-09 14:55
SA90121-04	RSB-D12	Soil	20-Jan-09 10:15	21-Jan-09 14:55

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 47 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 samples were received 4.0 degrees Celsius, please refer to the Chain of Custody for details specific to temperature upon receipt. An infrared thermometer with a tolerance of +/- 2.0 degrees Celsius was used immediately upon receipt of the samples.

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

SW846 1312/6010B

Duplicates:

9020351-DUP1 *Source: SA90580-01*

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

Lead

SW846 6010B

Duplicates:

9011398-DUP1 *Source: SA90135-01*

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

Lead

SW846 8151A

Samples:

SA90121-03 *RSB-D11*

The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

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

SA90121-04 *RSB-D12*

The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

4,4-DB-Octafluorobiphenyl (Sr)

SW846 8260B

Laboratory Control Samples:

9011483-BS1

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

Chloromethane

9011483-BSD1

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

Chloromethane

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.

Acetone

SW846 8260B

Samples:

SA90121-03 *RSB-D11*

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

SA90121-04 *RSB-D12*

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

SW846 8270C

Duplicates:

9011479-DUP1 *Source: SA90159-02*

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

Anthracene
Benzo (b) fluoranthene
Fluoranthene
Phenanthrene
Pyrene

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-D9 SA90121-01	127-17797-08011	Soil	20-Jan-09 11:15	21-Jan-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	22-Jan-09	22-Jan-09	9011449	
Volatile Organic Compounds											
Prepared by method SW846 5035A Soil (low level)					Initial weight: 4.45 g						
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	8.5	1	SW846 8260B	23-Jan-09	23-Jan-09	9011483	X
67-64-1	Acetone	BRL		µg/kg dry	84.8	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	8.5	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	8.5	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	8.5	1	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	8.5	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	8.5	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	8.5	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	17.0	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	84.8	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	8.5	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	8.5	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	8.5	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	42.4	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	8.5	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	8.5	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	17.0	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	8.5	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	17.0	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	8.5	1	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	8.5	1	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	17.0	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	8.5	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	8.5	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	8.5	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	8.5	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	8.5	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	8.5	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	17.0	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	8.5	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	8.5	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	8.5	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	8.5	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	8.5	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	8.5	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	8.5	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	8.5	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	8.5	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	8.5	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	8.5	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	8.5	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	8.5	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	84.8	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	8.5	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	8.5	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	8.5	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	84.8	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	84.8	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	8.5	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-D9 SA90121-01	127-17797-08011	Soil	20-Jan-09 11:15	21-Jan-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: 4.45 g						
103-65-1	n-Propylbenzene	BRL		µg/kg dry	8.5	1	SW846 8260B	23-Jan-09	23-Jan-09	9011483	X
100-42-5	Styrene	BRL		µg/kg dry	8.5	1	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	8.5	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	8.5	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	8.5	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	8.5	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	8.5	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	8.5	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	8.5	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	8.5	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	8.5	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	8.5	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	8.5	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	8.5	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	8.5	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	8.5	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	8.5	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	17.0	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	8.5	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	84.8	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	8.5	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	8.5	1	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	8.5	1	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	8.5	1	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	84.8	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	170	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	42.4	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	3390	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*86*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*91*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*121*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*105*		*70-130 %*			"	"	"	"	
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
83-32-9	Acenaphthene	BRL		µg/kg dry	418	1	SW846 8270C	23-Jan-09	24-Jan-09	9011479	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	418	1	"	"	"	"	X
62-53-3	Aniline	BRL		µg/kg dry	418	1	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	418	1	"	"	"	"	X
1912-24-9	Atrazine	BRL		µg/kg dry	418	1	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/kg dry	418	1	"	"	"	"	
92-87-5	Benzidine	BRL		µg/kg dry	418	1	"	"	"	"	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	418	1	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	418	1	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	418	1	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	418	1	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	418	1	"	"	"	"	X
65-85-0	Benzoic acid	BRL		µg/kg dry	418	1	"	"	"	"	X
100-51-6	Benzyl alcohol	BRL		µg/kg dry	418	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-D9	127-17797-08011	Soil	20-Jan-09 11:15	21-Jan-09
SA90121-01				

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 3550B											
111-91-1	Bis(2-chloroethoxy)methane	BRL		µg/kg dry	418	1	SW846 8270C	23-Jan-09	24-Jan-09	9011479	X
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/kg dry	418	1	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	418	1	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	418	1	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/kg dry	418	1	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	BRL		µg/kg dry	418	1	"	"	"	"	X
86-74-8	Carbazole	BRL		µg/kg dry	418	1	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	BRL		µg/kg dry	418	1	"	"	"	"	X
106-47-8	4-Chloroaniline	BRL		µg/kg dry	418	1	"	"	"	"	X
91-58-7	2-Chloronaphthalene	BRL		µg/kg dry	418	1	"	"	"	"	X
95-57-8	2-Chlorophenol	BRL		µg/kg dry	418	1	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/kg dry	418	1	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	418	1	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	418	1	"	"	"	"	X
132-64-9	Dibenzofuran	BRL		µg/kg dry	418	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	418	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	418	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	418	1	"	"	"	"	X
91-94-1	3,3'-Dichlorobenzidine	BRL		µg/kg dry	418	1	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	BRL		µg/kg dry	418	1	"	"	"	"	X
84-66-2	Diethyl phthalate	BRL		µg/kg dry	418	1	"	"	"	"	X
131-11-3	Dimethyl phthalate	BRL		µg/kg dry	418	1	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	BRL		µg/kg dry	418	1	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	BRL		µg/kg dry	418	1	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	418	1	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	BRL		µg/kg dry	418	1	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	BRL		µg/kg dry	418	1	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	BRL		µg/kg dry	418	1	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	BRL		µg/kg dry	418	1	"	"	"	"	X
206-44-0	Fluoranthene	498		µg/kg dry	418	1	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	418	1	"	"	"	"	X
118-74-1	Hexachlorobenzene	BRL		µg/kg dry	418	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	418	1	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	BRL		µg/kg dry	418	1	"	"	"	"	X
67-72-1	Hexachloroethane	BRL		µg/kg dry	418	1	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	418	1	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	418	1	"	"	"	"	
78-59-1	Isophorone	BRL		µg/kg dry	418	1	"	"	"	"	X
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	418	1	"	"	"	"	X
95-48-7	2-Methylphenol	BRL		µg/kg dry	418	1	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	BRL		µg/kg dry	418	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	418	1	"	"	"	"	X
88-74-4	2-Nitroaniline	BRL		µg/kg dry	418	1	"	"	"	"	X
99-09-2	3-Nitroaniline	BRL		µg/kg dry	418	1	"	"	"	"	X
100-01-6	4-Nitroaniline	BRL		µg/kg dry	1670	1	"	"	"	"	X
98-95-3	Nitrobenzene	BRL		µg/kg dry	418	1	"	"	"	"	X
88-75-5	2-Nitrophenol	BRL		µg/kg dry	418	1	"	"	"	"	X
100-02-7	4-Nitrophenol	BRL		µg/kg dry	1670	1	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	BRL		µg/kg dry	418	1	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/kg dry	418	1	"	"	"	"	X

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-D9 SA90121-01	127-17797-08011	Soil	20-Jan-09 11:15	21-Jan-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 3550B											
86-30-6	N-Nitrosodiphenylamine	BRL		µg/kg dry	418	1	SW846 8270C	23-Jan-09	24-Jan-09	9011479	X
87-86-5	Pentachlorophenol	BRL		µg/kg dry	418	1	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	418	1	"	"	"	"	X
108-95-2	Phenol	BRL		µg/kg dry	418	1	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	418	1	"	"	"	"	X
110-86-1	Pyridine	BRL		µg/kg dry	418	1	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	418	1	"	"	"	"	X
95-95-4	2,4,5-Trichlorophenol	BRL		µg/kg dry	418	1	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	BRL		µg/kg dry	418	1	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	BRL		µg/kg dry	418	1	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	418	1	"	"	"	"	X
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*74*		*30-130 %*			"	"	"	"	
367-12-4	*2-Fluorophenol*	*69*		*15-110 %*			"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*72*		*30-130 %*			"	"	"	"	
4165-62-2	*Phenol-d5*	*60*		*15-110 %*			"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*64*		*30-130 %*			"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*68*		*15-110 %*			"	"	"	"	
Semivolatile Organic Compounds by GC											
Polychlorinated Biphenyls by SW846 8082											
Prepared by method SW846 3545A											
12674-11-2	PCB 1016	BRL		µg/kg dry	25.2	1	SW846 8082	23-Jan-09	24-Jan-09	9011481	X
11104-28-2	PCB 1221	BRL		µg/kg dry	25.2	1	"	"	"	"	X
11141-16-5	PCB 1232	BRL		µg/kg dry	25.2	1	"	"	"	"	X
53469-21-9	PCB 1242	BRL		µg/kg dry	25.2	1	"	"	"	"	X
12672-29-6	PCB 1248	BRL		µg/kg dry	25.2	1	"	"	"	"	X
11097-69-1	PCB 1254	BRL		µg/kg dry	25.2	1	"	"	"	"	X
11096-82-5	PCB 1260	BRL		µg/kg dry	25.2	1	"	"	"	"	X
37324-23-5	PCB 1262	BRL		µg/kg dry	25.2	1	"	"	"	"	X
11100-14-4	PCB 1268	BRL		µg/kg dry	25.2	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*89*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*65*		*30-150 %*			"	"	"	"	
Chlorinated Herbicides by SW846 8151A											
Prepared by method SW846 3550B											
93-76-5	2,4,5-T	BRL		µg/kg dry	6.70	1	SW846 8151A	23-Jan-09	27-Jan-09	9011482	X
93-72-1	2,4,5-TP (Silvex)	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-75-7	2,4-D	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-82-6	2,4-DB	BRL		µg/kg dry	6.70	1	"	"	"	"	X
75-99-0	Dalapon	BRL		µg/kg dry	6.70	1	"	"	"	"	X
1918-00-9	Dicamba	BRL		µg/kg dry	6.70	1	"	"	"	"	X
120-36-5	Dichlorprop	BRL		µg/kg dry	6.70	1	"	"	"	"	X
88-85-7	Dinoseb	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-74-6	MCPA	BRL		µg/kg dry	670	1	"	"	"	"	X
94-81-5	MCPB	BRL		µg/kg dry	670	1	"	"	"	"	
93-65-2	MCPP	BRL		µg/kg dry	670	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*94*		*30-150 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-D9	127-17797-08011	Soil	20-Jan-09 11:15	21-Jan-09
SA90121-01				

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 3550B											
8006-61-9	Gasoline	BRL		mg/kg dry	16.8	1	+CT ETPH	23-Jan-09	26-Jan-09	9011478	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	16.8	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	16.8	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	16.8	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	16.8	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	16.8	1	"	"	"	"	
	Unidentified	39.7		mg/kg dry	16.8	1	"	"	"	"	
	Other Oil	Calculated as		mg/kg dry	16.8	1	"	"	"	"	
	Total Petroleum Hydrocarbons	39.7		mg/kg dry	16.8	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	39.7		mg/kg dry	16.8	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*90*		*50-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	BRL		mg/kg dry	1.81	1	SW846 6010B	22-Jan-09	23-Jan-09	9011398	X
7440-38-2	Arsenic	9.63		mg/kg dry	1.81	1	"	"	"	"	X
7440-39-3	Barium	213		mg/kg dry	1.21	1	"	"	"	"	X
7440-43-9	Cadmium	0.792		mg/kg dry	0.604	1	"	"	"	"	X
7440-47-3	Chromium	31.7		mg/kg dry	1.21	1	"	"	"	"	X
7439-97-6	Mercury	0.149		mg/kg dry	0.0361	1	SW846 7471A	"	26-Jan-09	9011399	X
7439-92-1	Lead	45.7		mg/kg dry	1.81	1	SW846 6010B	"	23-Jan-09	9011398	X
7782-49-2	Selenium	4.78		mg/kg dry	1.81	1	"	"	"	"	X
General Chemistry Parameters											
	% Solids	78.8		%		1	SM2540 G Mod.	22-Jan-09	22-Jan-09	9011456	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-D10 SA90121-02	127-17797-08011	Soil	20-Jan-09 11:00	21-Jan-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	22-Jan-09	22-Jan-09	9011449	
Volatile Organic Compounds					Initial weight: 5.47 g						
Prepared by method SW846 5035A Soil (low level)											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	6.6	1	SW846 8260B	23-Jan-09	23-Jan-09	9011483	X
67-64-1	Acetone	BRL		µg/kg dry	66.0	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	6.6	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	6.6	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	6.6	1	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	6.6	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	6.6	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	6.6	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	13.2	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	66.0	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	6.6	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	6.6	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	6.6	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	33.0	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	6.6	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	6.6	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	13.2	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	6.6	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	13.2	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	6.6	1	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	6.6	1	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	13.2	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	6.6	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	6.6	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	6.6	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	6.6	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	6.6	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	6.6	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	13.2	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	6.6	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	6.6	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	6.6	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	6.6	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	6.6	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	6.6	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	6.6	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	6.6	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	6.6	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	6.6	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	6.6	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	6.6	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	6.6	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	66.0	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	6.6	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	6.6	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	6.6	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	66.0	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	66.0	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	6.6	1	"	"	"	"	X

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-D10	127-17797-08011	Soil	20-Jan-09 11:00	21-Jan-09
SA90121-02				

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: 5.47 g						
103-65-1	n-Propylbenzene	BRL		µg/kg dry	6.6	1	SW846 8260B	23-Jan-09	23-Jan-09	9011483	X
100-42-5	Styrene	BRL		µg/kg dry	6.6	1	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	6.6	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	6.6	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	6.6	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	6.6	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	6.6	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	6.6	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	6.6	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	6.6	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	6.6	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	6.6	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	6.6	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	6.6	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	6.6	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	6.6	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	6.6	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	13.2	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	6.6	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	66.0	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	6.6	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	6.6	1	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	6.6	1	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	6.6	1	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	66.0	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	132	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	33.0	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	2640	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*89*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*91*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*119*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*103*		*70-130 %*			"	"	"	"	
Semivolatile Organic Compounds by GCMS											
	SPLP Extraction	Completed		N/A		1	SW846 1312	29-Jan-09	29-Jan-09	9011953	
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
83-32-9	Acenaphthene	BRL		µg/kg dry	407	1	SW846 8270C	23-Jan-09	24-Jan-09	9011479	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	407	1	"	"	"	"	X
62-53-3	Aniline	BRL		µg/kg dry	407	1	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	407	1	"	"	"	"	X
1912-24-9	Atrazine	BRL		µg/kg dry	407	1	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/kg dry	407	1	"	"	"	"	
92-87-5	Benzidine	BRL		µg/kg dry	407	1	"	"	"	"	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	407	1	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	407	1	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	407	1	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	407	1	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	407	1	"	"	"	"	X
65-85-0	Benzoic acid	BRL		µg/kg dry	407	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-D10 SA90121-02	127-17797-08011	Soil	20-Jan-09 11:00	21-Jan-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 3550B											
100-51-6	Benzyl alcohol	BRL		µg/kg dry	407	1	SW846 8270C	23-Jan-09	24-Jan-09	9011479	X
111-91-1	Bis(2-chloroethoxy)methane	BRL		µg/kg dry	407	1	"	"	"	"	X
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/kg dry	407	1	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	407	1	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	439		µg/kg dry	407	1	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/kg dry	407	1	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	BRL		µg/kg dry	407	1	"	"	"	"	X
86-74-8	Carbazole	BRL		µg/kg dry	407	1	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	BRL		µg/kg dry	407	1	"	"	"	"	X
106-47-8	4-Chloroaniline	BRL		µg/kg dry	407	1	"	"	"	"	X
91-58-7	2-Chloronaphthalene	BRL		µg/kg dry	407	1	"	"	"	"	X
95-57-8	2-Chlorophenol	BRL		µg/kg dry	407	1	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/kg dry	407	1	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	407	1	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	407	1	"	"	"	"	X
132-64-9	Dibenzofuran	BRL		µg/kg dry	407	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	407	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	407	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	407	1	"	"	"	"	X
91-94-1	3,3'-Dichlorobenzidine	BRL		µg/kg dry	407	1	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	BRL		µg/kg dry	407	1	"	"	"	"	X
84-66-2	Diethyl phthalate	BRL		µg/kg dry	407	1	"	"	"	"	X
131-11-3	Dimethyl phthalate	BRL		µg/kg dry	407	1	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	BRL		µg/kg dry	407	1	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	BRL		µg/kg dry	407	1	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	407	1	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	BRL		µg/kg dry	407	1	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	BRL		µg/kg dry	407	1	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	BRL		µg/kg dry	407	1	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	BRL		µg/kg dry	407	1	"	"	"	"	X
206-44-0	Fluoranthene	685		µg/kg dry	407	1	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	407	1	"	"	"	"	X
118-74-1	Hexachlorobenzene	BRL		µg/kg dry	407	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	407	1	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	BRL		µg/kg dry	407	1	"	"	"	"	X
67-72-1	Hexachloroethane	BRL		µg/kg dry	407	1	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	407	1	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	407	1	"	"	"	"	
78-59-1	Isophorone	BRL		µg/kg dry	407	1	"	"	"	"	X
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	407	1	"	"	"	"	X
95-48-7	2-Methylphenol	BRL		µg/kg dry	407	1	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	BRL		µg/kg dry	407	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	407	1	"	"	"	"	X
88-74-4	2-Nitroaniline	BRL		µg/kg dry	407	1	"	"	"	"	X
99-09-2	3-Nitroaniline	BRL		µg/kg dry	407	1	"	"	"	"	X
100-01-6	4-Nitroaniline	BRL		µg/kg dry	1630	1	"	"	"	"	X
98-95-3	Nitrobenzene	BRL		µg/kg dry	407	1	"	"	"	"	X
88-75-5	2-Nitrophenol	BRL		µg/kg dry	407	1	"	"	"	"	X
100-02-7	4-Nitrophenol	BRL		µg/kg dry	1630	1	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	BRL		µg/kg dry	407	1	"	"	"	"	X

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-D10	127-17797-08011	Soil	20-Jan-09 11:00	21-Jan-09
SA90121-02				

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 3550B											
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/kg dry	407	1	SW846 8270C	23-Jan-09	24-Jan-09	9011479	X
86-30-6	N-Nitrosodiphenylamine	BRL		µg/kg dry	407	1	"	"	"	"	X
87-86-5	Pentachlorophenol	BRL		µg/kg dry	407	1	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	407	1	"	"	"	"	X
108-95-2	Phenol	BRL		µg/kg dry	407	1	"	"	"	"	X
129-00-0	Pyrene	624		µg/kg dry	407	1	"	"	"	"	X
110-86-1	Pyridine	BRL		µg/kg dry	407	1	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	407	1	"	"	"	"	X
95-95-4	2,4,5-Trichlorophenol	BRL		µg/kg dry	407	1	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	BRL		µg/kg dry	407	1	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	BRL		µg/kg dry	407	1	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	407	1	"	"	"	"	X
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*58*		*30-130 %*			"	"	"	"	
367-12-4	*2-Fluorophenol*	*51*		*15-110 %*			"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*53*		*30-130 %*			"	"	"	"	
4165-62-2	*Phenol-d5*	*47*		*15-110 %*			"	"	"	"	
1718-51-0	*Terphenyl-d14*	*44*		*30-130 %*			"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*48*		*15-110 %*			"	"	"	"	
Semivolatile Organic Compounds by GC											
Polychlorinated Biphenyls by SW846 8082											
Prepared by method SW846 3545A											
12674-11-2	PCB 1016	BRL		µg/kg dry	22.9	1	SW846 8082	23-Jan-09	24-Jan-09	9011481	X
11104-28-2	PCB 1221	BRL		µg/kg dry	22.9	1	"	"	"	"	X
11141-16-5	PCB 1232	BRL		µg/kg dry	22.9	1	"	"	"	"	X
53469-21-9	PCB 1242	BRL		µg/kg dry	22.9	1	"	"	"	"	X
12672-29-6	PCB 1248	BRL		µg/kg dry	22.9	1	"	"	"	"	X
11097-69-1	PCB 1254	147		µg/kg dry	22.9	1	"	"	"	"	X
11096-82-5	PCB 1260	46.1		µg/kg dry	22.9	1	"	"	"	"	X
37324-23-5	PCB 1262	BRL		µg/kg dry	22.9	1	"	"	"	"	X
11100-14-4	PCB 1268	BRL		µg/kg dry	22.9	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*90*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*60*		*30-150 %*			"	"	"	"	
SPLP Polychlorinated Biphenyls by SW846 1312/8082											
Prepared by method SW846 3535											
12674-11-2	PCB 1016	BRL		µg/l	0.0250	1	SW846 1312/8082	02-Feb-09	02-Feb-09	9020018	X
11104-28-2	PCB 1221	BRL		µg/l	0.0250	1	"	"	"	"	X
11141-16-5	PCB 1232	BRL		µg/l	0.0250	1	"	"	"	"	X
53469-21-9	PCB 1242	BRL		µg/l	0.0250	1	"	"	"	"	X
12672-29-6	PCB 1248	BRL		µg/l	0.0250	1	"	"	"	"	X
11097-69-1	PCB 1254	BRL		µg/l	0.0250	1	"	"	"	"	X
11096-82-5	PCB 1260	BRL		µg/l	0.0250	1	"	"	"	"	X
37324-23-5	PCB 1262	BRL		µg/l	0.0250	1	"	"	"	"	X
11100-14-4	PCB 1268	BRL		µg/l	0.0250	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*74*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*42*		*30-150 %*			"	"	"	"	

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Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-D10 SA90121-02	127-17797-08011	Soil	20-Jan-09 11:00	21-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GC											
Chlorinated Herbicides by SW846 8151A											
Prepared by method SW846 3550B											
93-76-5	2,4,5-T	BRL		µg/kg dry	6.70	1	SW846 8151A	23-Jan-09	27-Jan-09	9011482	X
93-72-1	2,4,5-TP (Silvex)	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-75-7	2,4-D	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-82-6	2,4-DB	BRL		µg/kg dry	6.70	1	"	"	"	"	X
75-99-0	Dalapon	BRL		µg/kg dry	6.70	1	"	"	"	"	X
1918-00-9	Dicamba	BRL		µg/kg dry	6.70	1	"	"	"	"	X
120-36-5	Dichlorprop	BRL		µg/kg dry	6.70	1	"	"	"	"	X
88-85-7	Dinoseb	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-74-6	MCPA	BRL		µg/kg dry	670	1	"	"	"	"	X
94-81-5	MCPB	BRL		µg/kg dry	670	1	"	"	"	"	
93-65-2	MCPP	BRL		µg/kg dry	670	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*138*		*30-150 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3550B											
8006-61-9	Gasoline	BRL		mg/kg dry	82.0	5	+CT ETPH	23-Jan-09	26-Jan-09	9011478	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	82.0	5	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	82.0	5	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	82.0	5	"	"	"	"	
M09800000	Motor Oil	Calculated as		mg/kg dry	82.0	5	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	82.0	5	"	"	"	"	
	Unidentified	676		mg/kg dry	82.0	5	"	"	"	"	
	Other Oil	Calculated as		mg/kg dry	82.0	5	"	"	"	"	
	Total Petroleum Hydrocarbons	676		mg/kg dry	82.0	5	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	676		mg/kg dry	82.0	5	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*119*		*50-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	BRL		mg/kg dry	1.63	1	SW846 6010B	22-Jan-09	23-Jan-09	9011398	X
7440-38-2	Arsenic	5.40		mg/kg dry	1.63	1	"	"	"	"	X
7440-39-3	Barium	120		mg/kg dry	1.08	1	"	"	"	"	X
7440-43-9	Cadmium	0.944		mg/kg dry	0.542	1	"	"	"	"	X
7440-47-3	Chromium	40.2		mg/kg dry	1.08	1	"	"	"	"	X
7439-97-6	Mercury	0.112		mg/kg dry	0.0346	1	SW846 7471A	"	26-Jan-09	9011399	X
7439-92-1	Lead	330		mg/kg dry	1.63	1	SW846 6010B	"	23-Jan-09	9011398	X
7782-49-2	Selenium	1.72		mg/kg dry	1.63	1	"	"	"	"	X
TCLP Metals by EPA 1311 & 6000/7000 Series Methods											
	TCLP Extraction	Completed		N/A		1	SW846 1311	17-Feb-09	17-Feb-09	9021129	X
7439-92-1	Lead	0.0850		mg/l	0.0150	1	SW846 1311/6010B	18-Feb-09	18-Feb-09	9021206	X
SPLP Metals by EPA 1312 & 6000/7000 Series Methods											
	SPLP Extraction	Completed		N/A		1	SW846 1312	17-Feb-09	17-Feb-09	9021190	
7439-92-1	Lead	0.0477		mg/l	0.0150	1	SW846 1312/6010B	18-Feb-09	18-Feb-09	9021208	
General Chemistry Parameters											
	% Solids	82.5		%		1	SM2540 G Mod.	22-Jan-09	22-Jan-09	9011456	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-D11 SA90121-03	127-17797-08011	Soil	20-Jan-09 10:35	21-Jan-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	22-Jan-09	22-Jan-09	9011449	
Volatile Organic Compounds			VC10								
Prepared by method SW846 5035A Soil (low level)					Initial weight: 6.98 g						
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	5.5	1	SW846 8260B	23-Jan-09	23-Jan-09	9011483	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	27.4	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		µg/kg dry	5.5	1	"	"	"	"	X

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-D11 SA90121-03	127-17797-08011	Soil	20-Jan-09 10:35	21-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
Volatile Organic Compounds			VC10								
Prepared by method SW846 5035A Soil (low level)						Initial weight: 6.98 g					
103-65-1	n-Propylbenzene	BRL		µg/kg dry	5.5	1	SW846 8260B	23-Jan-09	23-Jan-09	9011483	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	27.4	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	2200	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*84*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*90*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*121*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*104*		*70-130 %*			"	"	"	"	
Semivolatile Organic Compounds by GCMS											
	SPLP Extraction	Completed		N/A		1	SW846 1312	29-Jan-09	29-Jan-09	9011953	
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
83-32-9	Acenaphthene	BRL		µg/kg dry	399	1	SW846 8270C	23-Jan-09	24-Jan-09	9011479	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	399	1	"	"	"	"	X
62-53-3	Aniline	BRL		µg/kg dry	399	1	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	399	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	399	1	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	399	1	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	399	1	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	399	1	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	399	1	"	"	"	"	X
65-85-0	Benzoic acid	BRL		µg/kg dry	399	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-D11	127-17797-08011	Soil	20-Jan-09 10:35	21-Jan-09
SA90121-03				

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 3550B											
100-51-6	Benzyl alcohol	BRL		µg/kg dry	399	1	SW846 8270C	23-Jan-09	24-Jan-09	9011479	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	399	1	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	399	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	649		µg/kg dry	399	1	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	399	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	399	1	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	399	1	"	"	"	"	
78-59-1	Isophorone	BRL		µg/kg dry	399	1	"	"	"	"	X
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	399	1	"	"	"	"	X
95-48-7	2-Methylphenol	BRL		µg/kg dry	399	1	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	BRL		µg/kg dry	399	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	399	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
88-75-5	2-Nitrophenol	BRL		µg/kg dry	399	1	"	"	"	"	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

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-D11 SA90121-03	127-17797-08011	Soil	20-Jan-09 10:35	21-Jan-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 3550B											
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/kg dry	399	1	SW846 8270C	23-Jan-09	24-Jan-09	9011479	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	399	1	"	"	"	"	X
108-95-2	Phenol	BRL		µg/kg dry	399	1	"	"	"	"	X
129-00-0	Pyrene	552		µg/kg dry	399	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*	*44*		*30-130 %*			"	"	"	"	
367-12-4	*2-Fluorophenol*	*40*		*15-110 %*			"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*43*		*30-130 %*			"	"	"	"	
4165-62-2	*Phenol-d5*	*35*		*15-110 %*			"	"	"	"	
1718-51-0	*Terphenyl-d14*	*36*		*30-130 %*			"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*40*		*15-110 %*			"	"	"	"	
Semivolatile Organic Compounds by GC											
Polychlorinated Biphenyls by SW846 8082											
Prepared by method SW846 3545A											
12674-11-2	PCB 1016	BRL		µg/kg dry	24.4	1	SW846 8082	23-Jan-09	24-Jan-09	9011481	X
11104-28-2	PCB 1221	BRL		µg/kg dry	24.4	1	"	"	"	"	X
11141-16-5	PCB 1232	BRL		µg/kg dry	24.4	1	"	"	"	"	X
53469-21-9	PCB 1242	BRL		µg/kg dry	24.4	1	"	"	"	"	X
12672-29-6	PCB 1248	BRL		µg/kg dry	24.4	1	"	"	"	"	X
11097-69-1	PCB 1254	25.7		µg/kg dry	24.4	1	"	"	"	"	X
11096-82-5	PCB 1260	49.0		µg/kg dry	24.4	1	"	"	"	"	X
37324-23-5	PCB 1262	BRL		µg/kg dry	24.4	1	"	"	"	"	X
11100-14-4	PCB 1268	BRL		µg/kg dry	24.4	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*91*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*62*		*30-150 %*			"	"	"	"	
SPLP Polychlorinated Biphenyls by SW846 1312/8082											
Prepared by method SW846 3535											
12674-11-2	PCB 1016	BRL		µg/l	0.0200	1	SW846 1312/8082	02-Feb-09	02-Feb-09	9020018	X
11104-28-2	PCB 1221	BRL		µg/l	0.0200	1	"	"	"	"	X
11141-16-5	PCB 1232	BRL		µg/l	0.0200	1	"	"	"	"	X
53469-21-9	PCB 1242	BRL		µg/l	0.0200	1	"	"	"	"	X
12672-29-6	PCB 1248	BRL		µg/l	0.0200	1	"	"	"	"	X
11097-69-1	PCB 1254	BRL		µg/l	0.0200	1	"	"	"	"	X
11096-82-5	PCB 1260	BRL		µg/l	0.0200	1	"	"	"	"	X
37324-23-5	PCB 1262	BRL		µg/l	0.0200	1	"	"	"	"	X
11100-14-4	PCB 1268	BRL		µg/l	0.0200	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*68*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*40*		*30-150 %*			"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-D11 SA90121-03	127-17797-08011	Soil	20-Jan-09 10:35	21-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GC											
Chlorinated Herbicides by SW846 8151A											
Prepared by method SW846 3550B											
93-76-5	2,4,5-T	BRL		µg/kg dry	6.70	1	SW846 8151A	23-Jan-09	27-Jan-09	9011482	X
93-72-1	2,4,5-TP (Silvex)	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-75-7	2,4-D	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-82-6	2,4-DB	BRL		µg/kg dry	6.70	1	"	"	"	"	X
75-99-0	Dalapon	BRL		µg/kg dry	6.70	1	"	"	"	"	X
1918-00-9	Dicamba	BRL		µg/kg dry	6.70	1	"	"	"	"	X
120-36-5	Dichlorprop	BRL		µg/kg dry	6.70	1	"	"	"	"	X
88-85-7	Dinoseb	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-74-6	MCPA	BRL		µg/kg dry	670	1	"	"	"	"	X
94-81-5	MCPB	BRL		µg/kg dry	670	1	"	"	"	"	
93-65-2	MCPP	BRL		µg/kg dry	670	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*642*	S02	*30-150 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3550B											
8006-61-9	Gasoline	BRL		mg/kg dry	16.1	1	+CT ETPH	23-Jan-09	26-Jan-09	9011478	
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	84.9		mg/kg dry	16.1	1	"	"	"	"	
	Other Oil	Calculated as		mg/kg dry	16.1	1	"	"	"	"	
	Total Petroleum Hydrocarbons	84.9		mg/kg dry	16.1	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	84.9		mg/kg dry	16.1	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*81*		*50-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	BRL		mg/kg dry	1.67	1	SW846 6010B	22-Jan-09	23-Jan-09	9011398	X
7440-38-2	Arsenic	16.3		mg/kg dry	1.67	1	"	"	"	"	X
7440-39-3	Barium	74.8		mg/kg dry	1.12	1	"	"	"	"	X
7440-43-9	Cadmium	1.04		mg/kg dry	0.558	1	"	"	"	"	X
7440-47-3	Chromium	14.3		mg/kg dry	1.12	1	"	"	"	"	X
7439-97-6	Mercury	0.489		mg/kg dry	0.0349	1	SW846 7471A	"	26-Jan-09	9011399	X
7439-92-1	Lead	199		mg/kg dry	1.67	1	SW846 6010B	"	23-Jan-09	9011398	X
7782-49-2	Selenium	1.81		mg/kg dry	1.67	1	"	"	"	"	X
TCLP Metals by EPA 1311 & 6000/7000 Series Methods											
	TCLP Extraction	Completed		N/A		1	SW846 1311	17-Feb-09	17-Feb-09	9021129	X
7439-92-1	Lead	0.202		mg/l	0.0150	1	SW846 1311/6010B	18-Feb-09	18-Feb-09	9021206	X
SPLP Metals by EPA 1312 & 6000/7000 Series Methods											
	SPLP Extraction	Completed		N/A		1	SW846 1312	04-Feb-09	04-Feb-09	9020339	
7440-38-2	Arsenic	BRL		mg/l	0.0080	1	SW846 1312/6010B	06-Feb-09	06-Feb-09	9020351	
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	"	06-Feb-09	9020352	
7439-92-1	Lead	0.156		mg/l	0.0150	1	SW846 1312/6010B	"	06-Feb-09	9020351	
General Chemistry Parameters											
	% Solids	81.8		%		1	SM2540 G Mod.	22-Jan-09	22-Jan-09	9011456	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-D12 SA90121-04	127-17797-08011	Soil	20-Jan-09 10:15	21-Jan-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	22-Jan-09	22-Jan-09	9011449	
Volatile Organic Compounds			VC10			Initial weight: 8.14 g					
Prepared by method SW846 5035A Soil (low level)											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	4.1	1	SW846 8260B	23-Jan-09	23-Jan-09	9011483	X
67-64-1	Acetone	BRL		µg/kg dry	41.5	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	4.1	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	4.1	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	4.1	1	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	4.1	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	4.1	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	4.1	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	8.3	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	41.5	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	4.1	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	4.1	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	4.1	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	20.7	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	4.1	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	4.1	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	8.3	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	4.1	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	8.3	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	4.1	1	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	4.1	1	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	8.3	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	4.1	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	4.1	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	4.1	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	4.1	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	4.1	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	4.1	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	8.3	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	4.1	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	4.1	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	4.1	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	4.1	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	4.1	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	4.1	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	4.1	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	4.1	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	4.1	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	4.1	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	4.1	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	4.1	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	4.1	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	41.5	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	4.1	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	4.1	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	4.1	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	41.5	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	41.5	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	4.1	1	"	"	"	"	X

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-D12	127-17797-08011	Soil	20-Jan-09 10:15	21-Jan-09
SA90121-04				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
Volatile Organic Compounds			VC10								
Prepared by method SW846 5035A Soil (low level)					Initial weight: 8.14 g						
103-65-1	n-Propylbenzene	BRL		µg/kg dry	4.1	1	SW846 8260B	23-Jan-09	23-Jan-09	9011483	X
100-42-5	Styrene	BRL		µg/kg dry	4.1	1	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	4.1	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	4.1	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	4.1	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	4.1	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	4.1	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	4.1	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	4.1	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	4.1	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	4.1	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	4.1	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	4.1	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	4.1	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	4.1	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	4.1	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	4.1	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	8.3	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	4.1	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	41.5	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	4.1	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	4.1	1	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	4.1	1	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	4.1	1	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	41.5	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	83.0	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	20.7	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	1660	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*85*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*91*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*126*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*108*		*70-130 %*			"	"	"	"	
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
83-32-9	Acenaphthene	BRL		µg/kg dry	367	1	SW846 8270C	23-Jan-09	24-Jan-09	9011479	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	367	1	"	"	"	"	X
62-53-3	Aniline	BRL		µg/kg dry	367	1	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	367	1	"	"	"	"	X
1912-24-9	Atrazine	BRL		µg/kg dry	367	1	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/kg dry	367	1	"	"	"	"	
92-87-5	Benzidine	BRL		µg/kg dry	367	1	"	"	"	"	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	367	1	"	"	"	"	X
50-32-8	Benzo (a) pyrene	406		µg/kg dry	367	1	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	400		µg/kg dry	367	1	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	367	1	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	375		µg/kg dry	367	1	"	"	"	"	X
65-85-0	Benzoic acid	BRL		µg/kg dry	367	1	"	"	"	"	X
100-51-6	Benzyl alcohol	BRL		µg/kg dry	367	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-D12 SA90121-04	127-17797-08011	Soil	20-Jan-09 10:15	21-Jan-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 3550B											
111-91-1	Bis(2-chloroethoxy)methane	BRL		µg/kg dry	367	1	SW846 8270C	23-Jan-09	24-Jan-09	9011479	X
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/kg dry	367	1	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	367	1	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	367	1	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/kg dry	367	1	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	BRL		µg/kg dry	367	1	"	"	"	"	X
86-74-8	Carbazole	BRL		µg/kg dry	367	1	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	BRL		µg/kg dry	367	1	"	"	"	"	X
106-47-8	4-Chloroaniline	BRL		µg/kg dry	367	1	"	"	"	"	X
91-58-7	2-Chloronaphthalene	BRL		µg/kg dry	367	1	"	"	"	"	X
95-57-8	2-Chlorophenol	BRL		µg/kg dry	367	1	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/kg dry	367	1	"	"	"	"	X
218-01-9	Chrysene	449		µg/kg dry	367	1	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	367	1	"	"	"	"	X
132-64-9	Dibenzofuran	BRL		µg/kg dry	367	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	367	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	367	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	367	1	"	"	"	"	X
91-94-1	3,3'-Dichlorobenzidine	BRL		µg/kg dry	367	1	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	BRL		µg/kg dry	367	1	"	"	"	"	X
84-66-2	Diethyl phthalate	BRL		µg/kg dry	367	1	"	"	"	"	X
131-11-3	Dimethyl phthalate	BRL		µg/kg dry	367	1	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	BRL		µg/kg dry	367	1	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	BRL		µg/kg dry	367	1	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	367	1	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	BRL		µg/kg dry	367	1	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	BRL		µg/kg dry	367	1	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	BRL		µg/kg dry	367	1	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	BRL		µg/kg dry	367	1	"	"	"	"	X
206-44-0	Fluoranthene	869		µg/kg dry	367	1	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	367	1	"	"	"	"	X
118-74-1	Hexachlorobenzene	BRL		µg/kg dry	367	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	367	1	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	BRL		µg/kg dry	367	1	"	"	"	"	X
67-72-1	Hexachloroethane	BRL		µg/kg dry	367	1	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	367	1	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	367	1	"	"	"	"	
78-59-1	Isophorone	BRL		µg/kg dry	367	1	"	"	"	"	X
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	367	1	"	"	"	"	X
95-48-7	2-Methylphenol	BRL		µg/kg dry	367	1	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	BRL		µg/kg dry	367	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	367	1	"	"	"	"	X
88-74-4	2-Nitroaniline	BRL		µg/kg dry	367	1	"	"	"	"	X
99-09-2	3-Nitroaniline	BRL		µg/kg dry	367	1	"	"	"	"	X
100-01-6	4-Nitroaniline	BRL		µg/kg dry	1470	1	"	"	"	"	X
98-95-3	Nitrobenzene	BRL		µg/kg dry	367	1	"	"	"	"	X
88-75-5	2-Nitrophenol	BRL		µg/kg dry	367	1	"	"	"	"	X
100-02-7	4-Nitrophenol	BRL		µg/kg dry	1470	1	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	BRL		µg/kg dry	367	1	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/kg dry	367	1	"	"	"	"	X

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Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-D12 SA90121-04	127-17797-08011	Soil	20-Jan-09 10:15	21-Jan-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 3550B											
86-30-6	N-Nitrosodiphenylamine	BRL		µg/kg dry	367	1	SW846 8270C	23-Jan-09	24-Jan-09	9011479	X
87-86-5	Pentachlorophenol	BRL		µg/kg dry	367	1	"	"	"	"	X
85-01-8	Phenanthrene	650		µg/kg dry	367	1	"	"	"	"	X
108-95-2	Phenol	BRL		µg/kg dry	367	1	"	"	"	"	X
129-00-0	Pyrene	809		µg/kg dry	367	1	"	"	"	"	X
110-86-1	Pyridine	BRL		µg/kg dry	367	1	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	367	1	"	"	"	"	X
95-95-4	2,4,5-Trichlorophenol	BRL		µg/kg dry	367	1	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	BRL		µg/kg dry	367	1	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	BRL		µg/kg dry	367	1	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	367	1	"	"	"	"	X
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*59*		*30-130 %*			"	"	"	"	
367-12-4	*2-Fluorophenol*	*50*		*15-110 %*			"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*52*		*30-130 %*			"	"	"	"	
4165-62-2	*Phenol-d5*	*42*		*15-110 %*			"	"	"	"	
1718-51-0	*Terphenyl-d14*	*54*		*30-130 %*			"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*56*		*15-110 %*			"	"	"	"	
Semivolatile Organic Compounds by GC											
Polychlorinated Biphenyls by SW846 8082											
Prepared by method SW846 3545A											
12674-11-2	PCB 1016	BRL		µg/kg dry	22.4	1	SW846 8082	23-Jan-09	24-Jan-09	9011481	X
11104-28-2	PCB 1221	BRL		µg/kg dry	22.4	1	"	"	"	"	X
11141-16-5	PCB 1232	BRL		µg/kg dry	22.4	1	"	"	"	"	X
53469-21-9	PCB 1242	BRL		µg/kg dry	22.4	1	"	"	"	"	X
12672-29-6	PCB 1248	BRL		µg/kg dry	22.4	1	"	"	"	"	X
11097-69-1	PCB 1254	BRL		µg/kg dry	22.4	1	"	"	"	"	X
11096-82-5	PCB 1260	BRL		µg/kg dry	22.4	1	"	"	"	"	X
37324-23-5	PCB 1262	BRL		µg/kg dry	22.4	1	"	"	"	"	X
11100-14-4	PCB 1268	BRL		µg/kg dry	22.4	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*90*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*69*		*30-150 %*			"	"	"	"	
Chlorinated Herbicides by SW846 8151A											
Prepared by method SW846 3550B											
93-76-5	2,4,5-T	BRL		µg/kg dry	6.70	1	SW846 8151A	23-Jan-09	27-Jan-09	9011482	X
93-72-1	2,4,5-TP (Silvex)	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-75-7	2,4-D	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-82-6	2,4-DB	BRL		µg/kg dry	6.70	1	"	"	"	"	X
75-99-0	Dalapon	BRL		µg/kg dry	6.70	1	"	"	"	"	X
1918-00-9	Dicamba	BRL		µg/kg dry	6.70	1	"	"	"	"	X
120-36-5	Dichlorprop	BRL		µg/kg dry	6.70	1	"	"	"	"	X
88-85-7	Dinoseb	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-74-6	MCPA	BRL		µg/kg dry	670	1	"	"	"	"	X
94-81-5	MCPB	BRL		µg/kg dry	670	1	"	"	"	"	
93-65-2	MCPP	BRL		µg/kg dry	670	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*142*		*30-150 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											

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Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-D12 SA90121-04	127-17797-08011	Soil	20-Jan-09 10:15	21-Jan-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 3550B											
8006-61-9	Gasoline	BRL		mg/kg dry	14.8	1	+CT ETPH	23-Jan-09	26-Jan-09	9011478	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	14.8	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	14.8	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	14.8	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	14.8	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	14.8	1	"	"	"	"	
	Unidentified	57.0		mg/kg dry	14.8	1	"	"	"	"	
	Other Oil	Calculated as		mg/kg dry	14.8	1	"	"	"	"	
	Total Petroleum Hydrocarbons	57.0		mg/kg dry	14.8	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	57.0		mg/kg dry	14.8	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*76*		*50-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	BRL		mg/kg dry	1.69	1	SW846 6010B	22-Jan-09	23-Jan-09	9011398	X
7440-38-2	Arsenic	128		mg/kg dry	1.69	1	"	"	"	"	X
7440-39-3	Barium	68.2		mg/kg dry	1.12	1	"	"	"	"	X
7440-43-9	Cadmium	BRL		mg/kg dry	0.562	1	"	"	"	"	X
7440-47-3	Chromium	9.11		mg/kg dry	1.12	1	"	"	"	"	X
7439-97-6	Mercury	0.541		mg/kg dry	0.0313	1	SW846 7471A	"	26-Jan-09	9011399	X
7439-92-1	Lead	113		mg/kg dry	1.69	1	SW846 6010B	"	23-Jan-09	9011398	X
7782-49-2	Selenium	1.85		mg/kg dry	1.69	1	"	"	"	"	X
TCLP Metals by EPA 1311 & 6000/7000 Series Methods											
	TCLP Extraction	Completed		N/A		1	SW846 1311	30-Jan-09	30-Jan-09	9012051	X
7440-38-2	Arsenic	0.124		mg/l	0.0080	1	SW846 1311/6010B	02-Feb-09	02-Feb-09	9020008	X
7439-92-1	Lead	0.0207		mg/l	0.0150	1	"	"	"	"	X
SPLP Metals by EPA 1312 & 6000/7000 Series Methods											
	SPLP Extraction	Completed		N/A		1	SW846 1312	04-Feb-09	04-Feb-09	9020339	
7440-38-2	Arsenic	0.0429		mg/l	0.0080	1	SW846 1312/6010B	06-Feb-09	06-Feb-09	9020351	
7439-97-6	Mercury	BRL		mg/l	0.00020	1	SW846 1312/7470A	"	06-Feb-09	9020352	
7439-92-1	Lead	0.0157		mg/l	0.0150	1	SW846 1312/6010B	"	06-Feb-09	9020351	
General Chemistry Parameters											
	% Solids	88.2		%		1	SM2540 G Mod.	22-Jan-09	22-Jan-09	9011456	

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9011483 - SW846 5035A Soil (low level)										
Blank (9011483-BLK1)										
Prepared & Analyzed: 23-Jan-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg wet	5.0						
Acetone	BRL		µg/kg wet	50.0						
Acrylonitrile	BRL		µg/kg wet	5.0						
Benzene	BRL		µg/kg wet	5.0						
Bromobenzene	BRL		µg/kg wet	5.0						
Bromochloromethane	BRL		µg/kg wet	5.0						
Bromodichloromethane	BRL		µg/kg wet	5.0						
Bromoform	BRL		µg/kg wet	5.0						
Bromomethane	BRL		µg/kg wet	10.0						
2-Butanone (MEK)	BRL		µg/kg wet	50.0						
n-Butylbenzene	BRL		µg/kg wet	5.0						
sec-Butylbenzene	BRL		µg/kg wet	5.0						
tert-Butylbenzene	BRL		µg/kg wet	5.0						
Carbon disulfide	BRL		µg/kg wet	25.0						
Carbon tetrachloride	BRL		µg/kg wet	5.0						
Chlorobenzene	BRL		µg/kg wet	5.0						
Chloroethane	BRL		µg/kg wet	10.0						
Chloroform	BRL		µg/kg wet	5.0						
Chloromethane	BRL		µg/kg wet	10.0						
2-Chlorotoluene	BRL		µg/kg wet	5.0						
4-Chlorotoluene	BRL		µg/kg wet	5.0						
1,2-Dibromo-3-chloropropane	BRL		µg/kg wet	10.0						
Dibromochloromethane	BRL		µg/kg wet	5.0						
1,2-Dibromoethane (EDB)	BRL		µg/kg wet	5.0						
Dibromomethane	BRL		µg/kg wet	5.0						
1,2-Dichlorobenzene	BRL		µg/kg wet	5.0						
1,3-Dichlorobenzene	BRL		µg/kg wet	5.0						
1,4-Dichlorobenzene	BRL		µg/kg wet	5.0						
Dichlorodifluoromethane (Freon12)	BRL		µg/kg wet	10.0						
1,1-Dichloroethane	BRL		µg/kg wet	5.0						
1,2-Dichloroethane	BRL		µg/kg wet	5.0						
1,1-Dichloroethene	BRL		µg/kg wet	5.0						
cis-1,2-Dichloroethene	BRL		µg/kg wet	5.0						
trans-1,2-Dichloroethene	BRL		µg/kg wet	5.0						
1,2-Dichloropropane	BRL		µg/kg wet	5.0						
1,3-Dichloropropane	BRL		µg/kg wet	5.0						
2,2-Dichloropropane	BRL		µg/kg wet	5.0						
1,1-Dichloropropene	BRL		µg/kg wet	5.0						
cis-1,3-Dichloropropene	BRL		µg/kg wet	5.0						
trans-1,3-Dichloropropene	BRL		µg/kg wet	5.0						
Ethylbenzene	BRL		µg/kg wet	5.0						
Hexachlorobutadiene	BRL		µg/kg wet	5.0						
2-Hexanone (MBK)	BRL		µg/kg wet	50.0						
Isopropylbenzene	BRL		µg/kg wet	5.0						
4-Isopropyltoluene	BRL		µg/kg wet	5.0						
Methyl tert-butyl ether	BRL		µg/kg wet	5.0						
4-Methyl-2-pentanone (MIBK)	BRL		µg/kg wet	50.0						
Methylene chloride	BRL		µg/kg wet	50.0						
Naphthalene	BRL		µg/kg wet	5.0						

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9011483 - SW846 5035A Soil (low level)										
Blank (9011483-BLK1)										
Prepared & Analyzed: 23-Jan-09										
n-Propylbenzene	BRL		µg/kg wet	5.0						
Styrene	BRL		µg/kg wet	5.0						
1,1,1,2-Tetrachloroethane	BRL		µg/kg wet	5.0						
1,1,2,2-Tetrachloroethane	BRL		µg/kg wet	5.0						
Tetrachloroethene	BRL		µg/kg wet	5.0						
Toluene	BRL		µg/kg wet	5.0						
1,2,3-Trichlorobenzene	BRL		µg/kg wet	5.0						
1,2,4-Trichlorobenzene	BRL		µg/kg wet	5.0						
1,3,5-Trichlorobenzene	BRL		µg/kg wet	5.0						
1,1,1-Trichloroethane	BRL		µg/kg wet	5.0						
1,1,2-Trichloroethane	BRL		µg/kg wet	5.0						
Trichloroethene	BRL		µg/kg wet	5.0						
Trichlorofluoromethane (Freon 11)	BRL		µg/kg wet	5.0						
1,2,3-Trichloropropane	BRL		µg/kg wet	5.0						
1,2,4-Trimethylbenzene	BRL		µg/kg wet	5.0						
1,3,5-Trimethylbenzene	BRL		µg/kg wet	5.0						
Vinyl chloride	BRL		µg/kg wet	5.0						
m,p-Xylene	BRL		µg/kg wet	10.0						
o-Xylene	BRL		µg/kg wet	5.0						
Tetrahydrofuran	BRL		µg/kg wet	50.0						
Ethyl ether	BRL		µg/kg wet	5.0						
Tert-amyl methyl ether	BRL		µg/kg wet	5.0						
Ethyl tert-butyl ether	BRL		µg/kg wet	5.0						
Di-isopropyl ether	BRL		µg/kg wet	5.0						
Tert-Butanol / butyl alcohol	BRL		µg/kg wet	50.0						
1,4-Dioxane	BRL		µg/kg wet	100						
trans-1,4-Dichloro-2-butene	BRL		µg/kg wet	25.0						
Ethanol	BRL		µg/kg wet	2000						
Surrogate: 4-Bromofluorobenzene	*47.6*		µg/kg wet		*50.0*		*95*	*70-130*		
Surrogate: Toluene-d8	*47.7*		µg/kg wet		*50.0*		*95*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*57.0*		µg/kg wet		*50.0*		*114*	*70-130*		
Surrogate: Dibromofluoromethane	*46.6*		µg/kg wet		*50.0*		*93*	*70-130*		
LCS (9011483-BS1)										
Prepared & Analyzed: 23-Jan-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	23.1		µg/kg wet		20.0		116	70-130		
Acetone	6.4		µg/kg wet		20.0		32	7.9-168		
Acrylonitrile	17.1		µg/kg wet		20.0		86	70-130		
Benzene	21.5		µg/kg wet		20.0		108	70-130		
Bromobenzene	16.8		µg/kg wet		20.0		84	70-130		
Bromochloromethane	15.9		µg/kg wet		20.0		79	70-130		
Bromodichloromethane	20.2		µg/kg wet		20.0		101	70-130		
Bromoform	18.8		µg/kg wet		20.0		94	70-130		
Bromomethane	13.6		µg/kg wet		20.0		68	50-134		
2-Butanone (MEK)	16.8		µg/kg wet		20.0		84	44.6-130		
n-Butylbenzene	22.6		µg/kg wet		20.0		113	70-130		
sec-Butylbenzene	17.8		µg/kg wet		20.0		89	70-130		
tert-Butylbenzene	17.0		µg/kg wet		20.0		85	70-130		
Carbon disulfide	21.1		µg/kg wet		20.0		106	70-130		
Carbon tetrachloride	22.4		µg/kg wet		20.0		112	70-130		
Chlorobenzene	20.2		µg/kg wet		20.0		101	70-130		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9011483 - SW846 5035A Soil (low level)										
LCS (9011483-BS1)										
Prepared & Analyzed: 23-Jan-09										
Chloroethane	14.8		µg/kg wet		20.0		74	59.2-130		
Chloroform	19.0		µg/kg wet		20.0		95	70-130		
Chloromethane	13.0	QC2	µg/kg wet		20.0		65	70-130		
2-Chlorotoluene	19.0		µg/kg wet		20.0		95	70-130		
4-Chlorotoluene	18.1		µg/kg wet		20.0		90	70-130		
1,2-Dibromo-3-chloropropane	20.2		µg/kg wet		20.0		101	70-130		
Dibromochloromethane	18.1		µg/kg wet		20.0		90	63.8-130		
1,2-Dibromoethane (EDB)	16.5		µg/kg wet		20.0		83	70-130		
Dibromomethane	18.6		µg/kg wet		20.0		93	70-130		
1,2-Dichlorobenzene	20.1		µg/kg wet		20.0		100	70-130		
1,3-Dichlorobenzene	16.2		µg/kg wet		20.0		81	70-130		
1,4-Dichlorobenzene	20.5		µg/kg wet		20.0		102	70-130		
Dichlorodifluoromethane (Freon12)	13.8		µg/kg wet		20.0		69	41.8-130		
1,1-Dichloroethane	20.3		µg/kg wet		20.0		102	70-130		
1,2-Dichloroethane	20.0		µg/kg wet		20.0		100	70-130		
1,1-Dichloroethene	20.4		µg/kg wet		20.0		102	70-130		
cis-1,2-Dichloroethene	19.8		µg/kg wet		20.0		99	70-130		
trans-1,2-Dichloroethene	21.7		µg/kg wet		20.0		108	70-130		
1,2-Dichloropropane	21.2		µg/kg wet		20.0		106	70-130		
1,3-Dichloropropane	18.0		µg/kg wet		20.0		90	70-130		
2,2-Dichloropropane	21.5		µg/kg wet		20.0		107	70-130		
1,1-Dichloropropene	22.0		µg/kg wet		20.0		110	70-130		
cis-1,3-Dichloropropene	19.0		µg/kg wet		20.0		95	70-130		
trans-1,3-Dichloropropene	19.2		µg/kg wet		20.0		96	70-130		
Ethylbenzene	20.6		µg/kg wet		20.0		103	70-130		
Hexachlorobutadiene	18.4		µg/kg wet		20.0		92	68.3-130		
2-Hexanone (MBK)	14.4		µg/kg wet		20.0		72	70-130		
Isopropylbenzene	18.8		µg/kg wet		20.0		94	70-130		
4-Isopropyltoluene	21.5		µg/kg wet		20.0		108	70-130		
Methyl tert-butyl ether	20.8		µg/kg wet		20.0		104	70-130		
4-Methyl-2-pentanone (MIBK)	15.4		µg/kg wet		20.0		77	53.1-132		
Methylene chloride	16.5		µg/kg wet		20.0		83	70-130		
Naphthalene	16.3		µg/kg wet		20.0		82	70-130		
n-Propylbenzene	18.5		µg/kg wet		20.0		93	70-130		
Styrene	18.6		µg/kg wet		20.0		93	70-130		
1,1,1,2-Tetrachloroethane	20.8		µg/kg wet		20.0		104	70-130		
1,1,2,2-Tetrachloroethane	17.8		µg/kg wet		20.0		89	70-130		
Tetrachloroethene	17.6		µg/kg wet		20.0		88	70-130		
Toluene	17.1		µg/kg wet		20.0		85	70-130		
1,2,3-Trichlorobenzene	17.0		µg/kg wet		20.0		85	70-130		
1,2,4-Trichlorobenzene	17.4		µg/kg wet		20.0		87	70-130		
1,3,5-Trichlorobenzene	18.9		µg/kg wet		20.0		95	70-130		
1,1,1-Trichloroethane	21.5		µg/kg wet		20.0		108	70-130		
1,1,2-Trichloroethane	18.2		µg/kg wet		20.0		91	70-130		
Trichloroethene	20.7		µg/kg wet		20.0		103	70-130		
Trichlorofluoromethane (Freon 11)	19.2		µg/kg wet		20.0		96	68.2-130		
1,2,3-Trichloropropane	17.6		µg/kg wet		20.0		88	70-130		
1,2,4-Trimethylbenzene	17.8		µg/kg wet		20.0		89	70-130		
1,3,5-Trimethylbenzene	18.2		µg/kg wet		20.0		91	70-130		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9011483 - SW846 5035A Soil (low level)										
LCS (9011483-BS1)										
Prepared & Analyzed: 23-Jan-09										
Vinyl chloride	16.3		µg/kg wet		20.0		81	70-130		
m,p-Xylene	39.6		µg/kg wet		40.0		99	70-130		
o-Xylene	19.1		µg/kg wet		20.0		95	70-130		
Tetrahydrofuran	16.1		µg/kg wet		20.0		80	70-130		
Ethyl ether	21.7		µg/kg wet		20.0		109	70-130		
Tert-amyl methyl ether	18.9		µg/kg wet		20.0		94	70-130		
Ethyl tert-butyl ether	21.3		µg/kg wet		20.0		107	70-130		
Di-isopropyl ether	22.4		µg/kg wet		20.0		112	70-130		
Tert-Butanol / butyl alcohol	170		µg/kg wet		200		85	70-130		
1,4-Dioxane	154		µg/kg wet		200		77	48.7-130		
trans-1,4-Dichloro-2-butene	17.3		µg/kg wet		20.0		86	70-130		
Ethanol	278		µg/kg wet		400		70	70-130		
Surrogate: 4-Bromofluorobenzene	*45.1*		µg/kg wet		*50.0*		*90*	*70-130*		
Surrogate: Toluene-d8	*45.4*		µg/kg wet		*50.0*		*91*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*48.1*		µg/kg wet		*50.0*		*96*	*70-130*		
Surrogate: Dibromofluoromethane	*46.8*		µg/kg wet		*50.0*		*94*	*70-130*		
LCS Dup (9011483-BSD1)										
Prepared & Analyzed: 23-Jan-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	22.8		µg/kg wet		20.0		114	70-130	2	25
Acetone	11.6	QR2	µg/kg wet		20.0		58	7.9-168	58	50
Acrylonitrile	17.0		µg/kg wet		20.0		85	70-130	0.6	25
Benzene	21.7		µg/kg wet		20.0		108	70-130	0.6	25
Bromobenzene	17.1		µg/kg wet		20.0		85	70-130	2	25
Bromochloromethane	15.5		µg/kg wet		20.0		77	70-130	3	25
Bromodichloromethane	21.2		µg/kg wet		20.0		106	70-130	4	25
Bromoform	18.8		µg/kg wet		20.0		94	70-130	0.1	25
Bromomethane	13.3		µg/kg wet		20.0		66	50-134	2	50
2-Butanone (MEK)	18.3		µg/kg wet		20.0		91	44.6-130	8	50
n-Butylbenzene	22.7		µg/kg wet		20.0		113	70-130	0.4	25
sec-Butylbenzene	16.9		µg/kg wet		20.0		84	70-130	5	25
tert-Butylbenzene	16.4		µg/kg wet		20.0		82	70-130	4	25
Carbon disulfide	19.8		µg/kg wet		20.0		99	70-130	6	25
Carbon tetrachloride	22.2		µg/kg wet		20.0		111	70-130	0.7	25
Chlorobenzene	20.0		µg/kg wet		20.0		100	70-130	0.7	25
Chloroethane	14.2		µg/kg wet		20.0		71	59.2-130	5	50
Chloroform	19.5		µg/kg wet		20.0		98	70-130	3	25
Chloromethane	12.7	QC2	µg/kg wet		20.0		63	70-130	3	25
2-Chlorotoluene	18.4		µg/kg wet		20.0		92	70-130	3	25
4-Chlorotoluene	17.8		µg/kg wet		20.0		89	70-130	1	25
1,2-Dibromo-3-chloropropane	21.0		µg/kg wet		20.0		105	70-130	4	25
Dibromochloromethane	17.6		µg/kg wet		20.0		88	63.8-130	3	50
1,2-Dibromoethane (EDB)	17.5		µg/kg wet		20.0		88	70-130	6	25
Dibromomethane	18.9		µg/kg wet		20.0		94	70-130	1	25
1,2-Dichlorobenzene	20.2		µg/kg wet		20.0		101	70-130	0.6	25
1,3-Dichlorobenzene	15.9		µg/kg wet		20.0		80	70-130	2	25
1,4-Dichlorobenzene	20.6		µg/kg wet		20.0		103	70-130	0.6	25
Dichlorodifluoromethane (Freon12)	12.9		µg/kg wet		20.0		65	41.8-130	7	50
1,1-Dichloroethane	21.2		µg/kg wet		20.0		106	70-130	4	25
1,2-Dichloroethane	19.2		µg/kg wet		20.0		96	70-130	4	25
1,1-Dichloroethene	20.5		µg/kg wet		20.0		103	70-130	0.9	25

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9011483 - SW846 5035A Soil (low level)										
LCS Dup (9011483-BSD1)										
Prepared & Analyzed: 23-Jan-09										
cis-1,2-Dichloroethene	21.1		µg/kg wet		20.0		106	70-130	7	25
trans-1,2-Dichloroethene	21.3		µg/kg wet		20.0		107	70-130	2	25
1,2-Dichloropropane	21.9		µg/kg wet		20.0		110	70-130	3	25
1,3-Dichloropropane	18.0		µg/kg wet		20.0		90	70-130	0.1	25
2,2-Dichloropropane	21.5		µg/kg wet		20.0		107	70-130	0.09	25
1,1-Dichloropropene	22.6		µg/kg wet		20.0		113	70-130	3	25
cis-1,3-Dichloropropene	19.7		µg/kg wet		20.0		99	70-130	4	25
trans-1,3-Dichloropropene	20.1		µg/kg wet		20.0		100	70-130	5	25
Ethylbenzene	20.3		µg/kg wet		20.0		102	70-130	1	25
Hexachlorobutadiene	17.6		µg/kg wet		20.0		88	68.3-130	5	50
2-Hexanone (MBK)	15.4		µg/kg wet		20.0		77	70-130	6	25
Isopropylbenzene	18.2		µg/kg wet		20.0		91	70-130	3	25
4-Isopropyltoluene	21.8		µg/kg wet		20.0		109	70-130	1	25
Methyl tert-butyl ether	21.8		µg/kg wet		20.0		109	70-130	4	25
4-Methyl-2-pentanone (MIBK)	16.0		µg/kg wet		20.0		80	53.1-132	4	50
Methylene chloride	16.1		µg/kg wet		20.0		80	70-130	3	25
Naphthalene	20.0		µg/kg wet		20.0		100	70-130	20	25
n-Propylbenzene	17.9		µg/kg wet		20.0		90	70-130	3	25
Styrene	18.4		µg/kg wet		20.0		92	70-130	0.6	25
1,1,1,2-Tetrachloroethane	20.3		µg/kg wet		20.0		101	70-130	3	25
1,1,2,2-Tetrachloroethane	17.8		µg/kg wet		20.0		89	70-130	0.5	25
Tetrachloroethene	17.9		µg/kg wet		20.0		89	70-130	1	25
Toluene	17.0		µg/kg wet		20.0		85	70-130	0.8	25
1,2,3-Trichlorobenzene	19.2		µg/kg wet		20.0		96	70-130	12	25
1,2,4-Trichlorobenzene	19.1		µg/kg wet		20.0		96	70-130	9	25
1,3,5-Trichlorobenzene	19.6		µg/kg wet		20.0		98	70-130	3	25
1,1,1-Trichloroethane	21.5		µg/kg wet		20.0		107	70-130	0.2	25
1,1,2-Trichloroethane	18.5		µg/kg wet		20.0		93	70-130	2	25
Trichloroethene	20.9		µg/kg wet		20.0		105	70-130	1	25
Trichlorofluoromethane (Freon 11)	18.0		µg/kg wet		20.0		90	68.2-130	6	50
1,2,3-Trichloropropane	18.0		µg/kg wet		20.0		90	70-130	3	25
1,2,4-Trimethylbenzene	17.6		µg/kg wet		20.0		88	70-130	1	25
1,3,5-Trimethylbenzene	17.9		µg/kg wet		20.0		89	70-130	2	25
Vinyl chloride	15.4		µg/kg wet		20.0		77	70-130	6	25
m,p-Xylene	38.4		µg/kg wet		40.0		96	70-130	3	25
o-Xylene	18.9		µg/kg wet		20.0		95	70-130	0.8	25
Tetrahydrofuran	18.8		µg/kg wet		20.0		94	70-130	15	25
Ethyl ether	22.6		µg/kg wet		20.0		113	70-130	4	50
Tert-amyl methyl ether	22.6		µg/kg wet		20.0		113	70-130	18	25
Ethyl tert-butyl ether	22.7		µg/kg wet		20.0		114	70-130	6	25
Di-isopropyl ether	23.2		µg/kg wet		20.0		116	70-130	4	25
Tert-Butanol / butyl alcohol	150		µg/kg wet		200		75	70-130	13	25
1,4-Dioxane	124		µg/kg wet		200		62	48.7-130	22	25
trans-1,4-Dichloro-2-butene	17.8		µg/kg wet		20.0		89	70-130	3	25
Ethanol	278		µg/kg wet		400		70	70-130	0.01	30
Surrogate: 4-Bromofluorobenzene	*43.9*		µg/kg wet		*50.0*		*88*	*70-130*		
Surrogate: Toluene-d8	*44.9*		µg/kg wet		*50.0*		*90*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*46.8*		µg/kg wet		*50.0*		*94*	*70-130*		
Surrogate: Dibromofluoromethane	*48.1*		µg/kg wet		*50.0*		*96*	*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 9011479 - SW846 3550B										
Blank (9011479-BLK1)										
Prepared & Analyzed: 23-Jan-09										
Acenaphthene	BRL		µg/kg wet	330						
Acenaphthylene	BRL		µg/kg wet	330						
Aniline	BRL		µg/kg wet	330						
Anthracene	BRL		µg/kg wet	330						
Atrazine	BRL		µg/kg wet	330						
Azobenzene/Diphenyldiazine	BRL		µg/kg wet	330						
Benzidine	BRL		µg/kg wet	330						
Benzo (a) anthracene	BRL		µg/kg wet	330						
Benzo (a) pyrene	BRL		µg/kg wet	330						
Benzo (b) fluoranthene	BRL		µg/kg wet	330						
Benzo (g,h,i) perylene	BRL		µg/kg wet	330						
Benzo (k) fluoranthene	BRL		µg/kg wet	330						
Benzoic acid	BRL		µg/kg wet	330						
Benzyl alcohol	BRL		µg/kg wet	330						
Bis(2-chloroethoxy)methane	BRL		µg/kg wet	330						
Bis(2-chloroethyl)ether	BRL		µg/kg wet	330						
Bis(2-chloroisopropyl)ether	BRL		µg/kg wet	330						
Bis(2-ethylhexyl)phthalate	BRL		µg/kg wet	330						
4-Bromophenyl phenyl ether	BRL		µg/kg wet	330						
Butyl benzyl phthalate	BRL		µg/kg wet	330						
Carbazole	BRL		µg/kg wet	330						
4-Chloro-3-methylphenol	BRL		µg/kg wet	330						
4-Chloroaniline	BRL		µg/kg wet	330						
2-Chloronaphthalene	BRL		µg/kg wet	330						
2-Chlorophenol	BRL		µg/kg wet	330						
4-Chlorophenyl phenyl ether	BRL		µg/kg wet	330						
Chrysene	BRL		µg/kg wet	330						
Dibenzo (a,h) anthracene	BRL		µg/kg wet	330						
Dibenzofuran	BRL		µg/kg wet	330						
1,2-Dichlorobenzene	BRL		µg/kg wet	330						
1,3-Dichlorobenzene	BRL		µg/kg wet	330						
1,4-Dichlorobenzene	BRL		µg/kg wet	330						
3,3'-Dichlorobenzidine	BRL		µg/kg wet	330						
2,4-Dichlorophenol	BRL		µg/kg wet	330						
Diethyl phthalate	BRL		µg/kg wet	330						
Dimethyl phthalate	BRL		µg/kg wet	330						
2,4-Dimethylphenol	BRL		µg/kg wet	330						
Di-n-butyl phthalate	BRL		µg/kg wet	330						
4,6-Dinitro-2-methylphenol	BRL		µg/kg wet	330						
2,4-Dinitrophenol	BRL		µg/kg wet	330						
2,4-Dinitrotoluene	BRL		µg/kg wet	330						
2,6-Dinitrotoluene	BRL		µg/kg wet	330						
Di-n-octyl phthalate	BRL		µg/kg wet	330						
Fluoranthene	BRL		µg/kg wet	330						
Fluorene	BRL		µg/kg wet	330						
Hexachlorobenzene	BRL		µg/kg wet	330						
Hexachlorobutadiene	BRL		µg/kg wet	330						
Hexachlorocyclopentadiene	BRL		µg/kg wet	330						
Hexachloroethane	BRL		µg/kg wet	330						

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9011479 - SW846 3550B										
Blank (9011479-BLK1)										
Prepared & Analyzed: 23-Jan-09										
Indeno (1,2,3-cd) pyrene	BRL		µg/kg wet	330						
Isophorone	BRL		µg/kg wet	330						
1-Methylnaphthalene	BRL		µg/kg wet	330						
2-Methylnaphthalene	BRL		µg/kg wet	330						
2-Methylphenol	BRL		µg/kg wet	330						
3 & 4-Methylphenol	BRL		µg/kg wet	330						
Naphthalene	BRL		µg/kg wet	330						
2-Nitroaniline	BRL		µg/kg wet	330						
3-Nitroaniline	BRL		µg/kg wet	330						
4-Nitroaniline	BRL		µg/kg wet	1320						
Nitrobenzene	BRL		µg/kg wet	330						
2-Nitrophenol	BRL		µg/kg wet	330						
4-Nitrophenol	BRL		µg/kg wet	1320						
N-Nitrosodimethylamine	BRL		µg/kg wet	330						
N-Nitrosodi-n-propylamine	BRL		µg/kg wet	330						
N-Nitrosodiphenylamine	BRL		µg/kg wet	330						
Pentachlorophenol	BRL		µg/kg wet	330						
Phenanthrene	BRL		µg/kg wet	330						
Phenol	BRL		µg/kg wet	330						
Pyrene	BRL		µg/kg wet	330						
Pyridine	BRL		µg/kg wet	330						
1,2,4-Trichlorobenzene	BRL		µg/kg wet	330						
2,4,5-Trichlorophenol	BRL		µg/kg wet	330						
2,4,6-Trichlorophenol	BRL		µg/kg wet	330						
Pentachloronitrobenzene	BRL		µg/kg wet	330						
1,2,4,5-Tetrachlorobenzene	BRL		µg/kg wet	330						
Surrogate: 2-Fluorobiphenyl	*1300*		µg/kg wet		*3330*		*39*	*30-130*		
Surrogate: 2-Fluorophenol	*1230*		µg/kg wet		*3330*		*37*	*15-110*		
Surrogate: Nitrobenzene-d5	*1270*		µg/kg wet		*3330*		*38*	*30-130*		
Surrogate: Phenol-d5	*1110*		µg/kg wet		*3330*		*33*	*15-110*		
Surrogate: Terphenyl-d14	*1090*		µg/kg wet		*3330*		*33*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*1130*		µg/kg wet		*3330*		*34*	*15-110*		
LCS (9011479-BS1)										
Prepared & Analyzed: 23-Jan-09										
Acenaphthene	2140		µg/kg wet	330	3330		64	40-130		
Acenaphthylene	2120		µg/kg wet	330	3330		64	40-130		
Aniline	1400		µg/kg wet	330	3330		42	40-130		
Anthracene	2180		µg/kg wet	330	3330		66	40-130		
Atrazine	2910		µg/kg wet	330	3330		87	40-130		
Azobenzene/Diphenyldiazine	2310		µg/kg wet	330	3330		69	40-130		
Benzidine	370		µg/kg wet	330	3330		11	0-130		
Benzo (a) anthracene	1920		µg/kg wet	330	3330		58	40-130		
Benzo (a) pyrene	2150		µg/kg wet	330	3330		64	40-130		
Benzo (b) fluoranthene	2130		µg/kg wet	330	3330		64	40-130		
Benzo (g,h,i) perylene	1810		µg/kg wet	330	3330		54	40-130		
Benzo (k) fluoranthene	2190		µg/kg wet	330	3330		66	40-130		
Benzoic acid	2130		µg/kg wet	330	3330		64	19.5-130		
Benzyl alcohol	2270		µg/kg wet	330	3330		68	40-130		
Bis(2-chloroethoxy)methane	2300		µg/kg wet	330	3330		69	40-130		
Bis(2-chloroethyl)ether	2490		µg/kg wet	330	3330		75	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 9011479 - SW846 3550B										
LCS (9011479-BS1)										
Prepared & Analyzed: 23-Jan-09										
Bis(2-chloroisopropyl)ether	2390		µg/kg wet	330	3330		72	40-130		
Bis(2-ethylhexyl)phthalate	2310		µg/kg wet	330	3330		69	40-130		
4-Bromophenyl phenyl ether	2310		µg/kg wet	330	3330		69	40-130		
Butyl benzyl phthalate	2260		µg/kg wet	330	3330		68	40-130		
Carbazole	3440		µg/kg wet	330	3330		103	40-130		
4-Chloro-3-methylphenol	2310		µg/kg wet	330	3330		69	40-130		
4-Chloroaniline	1800		µg/kg wet	330	3330		54	40-130		
2-Chloronaphthalene	1990		µg/kg wet	330	3330		60	40-130		
2-Chlorophenol	2160		µg/kg wet	330	3330		65	40-130		
4-Chlorophenyl phenyl ether	2390		µg/kg wet	330	3330		72	40-130		
Chrysene	2030		µg/kg wet	330	3330		61	40-130		
Dibenzo (a,h) anthracene	1940		µg/kg wet	330	3330		58	40-130		
Dibenzofuran	2080		µg/kg wet	330	3330		62	40-130		
1,2-Dichlorobenzene	2130		µg/kg wet	330	3330		64	40-130		
1,3-Dichlorobenzene	1920		µg/kg wet	330	3330		58	40-130		
1,4-Dichlorobenzene	2190		µg/kg wet	330	3330		66	40-130		
3,3'-Dichlorobenzidine	2790		µg/kg wet	330	3330		84	40-130		
2,4-Dichlorophenol	2140		µg/kg wet	330	3330		64	40-130		
Diethyl phthalate	2380		µg/kg wet	330	3330		71	40-130		
Dimethyl phthalate	2350		µg/kg wet	330	3330		70	40-130		
2,4-Dimethylphenol	2020		µg/kg wet	330	3330		60	40-130		
Di-n-butyl phthalate	2520		µg/kg wet	330	3330		76	40-130		
4,6-Dinitro-2-methylphenol	1930		µg/kg wet	330	3330		58	40-130		
2,4-Dinitrophenol	1840		µg/kg wet	330	3330		55	40-130		
2,4-Dinitrotoluene	2180		µg/kg wet	330	3330		66	40-130		
2,6-Dinitrotoluene	2170		µg/kg wet	330	3330		65	40-130		
Di-n-octyl phthalate	2660		µg/kg wet	330	3330		80	40-130		
Fluoranthene	2210		µg/kg wet	330	3330		66	40-130		
Fluorene	2240		µg/kg wet	330	3330		67	40-130		
Hexachlorobenzene	2030		µg/kg wet	330	3330		61	40-130		
Hexachlorobutadiene	2060		µg/kg wet	330	3330		62	40-130		
Hexachlorocyclopentadiene	1620		µg/kg wet	330	3330		49	40-130		
Hexachloroethane	2130		µg/kg wet	330	3330		64	40-130		
Indeno (1,2,3-cd) pyrene	1820		µg/kg wet	330	3330		55	40-130		
Isophorone	2080		µg/kg wet	330	3330		62	40-130		
1-Methylnaphthalene	2150		µg/kg wet	330	3330		64	40-140		
2-Methylnaphthalene	2050		µg/kg wet	330	3330		62	40-130		
2-Methylphenol	2110		µg/kg wet	330	3330		63	40-130		
3 & 4-Methylphenol	2580		µg/kg wet	330	3330		77	40-130		
Naphthalene	2140		µg/kg wet	330	3330		64	40-130		
2-Nitroaniline	2170		µg/kg wet	330	3330		65	40-130		
3-Nitroaniline	2500		µg/kg wet	330	3330		75	40-130		
4-Nitroaniline	2530		µg/kg wet	1320	3330		76	40-130		
Nitrobenzene	2050		µg/kg wet	330	3330		61	40-130		
2-Nitrophenol	2120		µg/kg wet	330	3330		64	40-130		
4-Nitrophenol	2200		µg/kg wet	1320	3330		66	40-130		
N-Nitrosodimethylamine	2200		µg/kg wet	330	3330		66	40-130		
N-Nitrosodi-n-propylamine	2500		µg/kg wet	330	3330		75	40-130		
N-Nitrosodiphenylamine	2470		µg/kg wet	330	3330		74	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 9011479 - SW846 3550B										
LCS (9011479-BS1)										
Prepared & Analyzed: 23-Jan-09										
Pentachlorophenol	2170		µg/kg wet	330	3330		65	40-130		
Phenanthrene	2170		µg/kg wet	330	3330		65	40-130		
Phenol	2220		µg/kg wet	330	3330		67	40-130		
Pyrene	2020		µg/kg wet	330	3330		61	40-130		
Pyridine	1070		µg/kg wet	330	3330		32	0-130		
1,2,4-Trichlorobenzene	1950		µg/kg wet	330	3330		58	40-130		
2,4,5-Trichlorophenol	2230		µg/kg wet	330	3330		67	40-130		
2,4,6-Trichlorophenol	1990		µg/kg wet	330	3330		60	40-130		
Pentachloronitrobenzene	2630		µg/kg wet	330	3330		79	40-140		
1,2,4,5-Tetrachlorobenzene	1810		µg/kg wet	330	3330		54	40-140		
Surrogate: 2-Fluorobiphenyl	*2100*		µg/kg wet		*3330*		*63*	*30-130*		
Surrogate: 2-Fluorophenol	*1900*		µg/kg wet		*3330*		*57*	*15-110*		
Surrogate: Nitrobenzene-d5	*2100*		µg/kg wet		*3330*		*63*	*30-130*		
Surrogate: Phenol-d5	*1850*		µg/kg wet		*3330*		*56*	*15-110*		
Surrogate: Terphenyl-d14	*1760*		µg/kg wet		*3330*		*53*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*2230*		µg/kg wet		*3330*		*67*	*15-110*		
Duplicate (9011479-DUP1)	**Source: SA90159-02**									
Prepared & Analyzed: 23-Jan-09										
Acenaphthene	BRL		µg/kg dry	343		BRL				50
Acenaphthylene	BRL		µg/kg dry	343		BRL				50
Aniline	BRL		µg/kg dry	343		BRL				50
Anthracene	69.3	J,QM4	µg/kg dry	343		37.7			59	50
Atrazine	BRL		µg/kg dry	343		BRL				50
Azobenzene/Diphenyldiazine	BRL		µg/kg dry	343		BRL				50
Benzidine	BRL		µg/kg dry	343		BRL				50
Benzo (a) anthracene	186	J	µg/kg dry	343		116			46	50
Benzo (a) pyrene	199	J	µg/kg dry	343		127			44	50
Benzo (b) fluoranthene	141	J,QM4	µg/kg dry	343		75.4			61	50
Benzo (g,h,i) perylene	96.3	J	µg/kg dry	343		63.8			41	50
Benzo (k) fluoranthene	175	J	µg/kg dry	343		117			40	50
Benzoic acid	BRL		µg/kg dry	343		BRL				50
Benzyl alcohol	BRL		µg/kg dry	343		BRL				50
Bis(2-chloroethoxy)methane	BRL		µg/kg dry	343		BRL				50
Bis(2-chloroethyl)ether	BRL		µg/kg dry	343		BRL				50
Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	343		BRL				50
Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	343		BRL				50
4-Bromophenyl phenyl ether	BRL		µg/kg dry	343		BRL				50
Butyl benzyl phthalate	BRL		µg/kg dry	343		BRL				50
Carbazole	BRL		µg/kg dry	343		BRL				50
4-Chloro-3-methylphenol	BRL		µg/kg dry	343		BRL				50
4-Chloroaniline	BRL		µg/kg dry	343		BRL				50
2-Chloronaphthalene	BRL		µg/kg dry	343		BRL				50
2-Chlorophenol	BRL		µg/kg dry	343		BRL				50
4-Chlorophenyl phenyl ether	BRL		µg/kg dry	343		BRL				50
Chrysene	185	J	µg/kg dry	343		120			43	50
Dibenzo (a,h) anthracene	BRL		µg/kg dry	343		BRL				50
Dibenzofuran	BRL		µg/kg dry	343		BRL				50
1,2-Dichlorobenzene	BRL		µg/kg dry	343		BRL				50
1,3-Dichlorobenzene	BRL		µg/kg dry	343		BRL				50
1,4-Dichlorobenzene	BRL		µg/kg dry	343		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 9011479 - SW846 3550B										
Duplicate (9011479-DUP1)	**Source: SA90159-02**									
Prepared & Analyzed: 23-Jan-09										
3,3'-Dichlorobenzidine	BRL		µg/kg dry	343		BRL				50
2,4-Dichlorophenol	BRL		µg/kg dry	343		BRL				50
Diethyl phthalate	BRL		µg/kg dry	343		BRL				50
Dimethyl phthalate	BRL		µg/kg dry	343		BRL				50
2,4-Dimethylphenol	BRL		µg/kg dry	343		BRL				50
Di-n-butyl phthalate	BRL		µg/kg dry	343		BRL				50
4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	343		BRL				50
2,4-Dinitrophenol	BRL		µg/kg dry	343		BRL				50
2,4-Dinitrotoluene	BRL		µg/kg dry	343		BRL				50
2,6-Dinitrotoluene	BRL		µg/kg dry	343		BRL				50
Di-n-octyl phthalate	BRL		µg/kg dry	343		BRL				50
Fluoranthene	325	J,QM4	µg/kg dry	343		187			54	50
Fluorene	BRL		µg/kg dry	343		BRL				50
Hexachlorobenzene	BRL		µg/kg dry	343		BRL				50
Hexachlorobutadiene	BRL		µg/kg dry	343		BRL				50
Hexachlorocyclopentadiene	BRL		µg/kg dry	343		BRL				50
Hexachloroethane	BRL		µg/kg dry	343		BRL				50
Indeno (1,2,3-cd) pyrene	88.7	J	µg/kg dry	343		61.7			36	50
1-Methylnaphthalene	BRL		µg/kg dry	343		BRL				50
Isophorone	BRL		µg/kg dry	343		BRL				50
2-Methylnaphthalene	BRL		µg/kg dry	343		BRL				50
2-Methylphenol	BRL		µg/kg dry	343		BRL				50
3 & 4-Methylphenol	BRL		µg/kg dry	343		BRL				50
Naphthalene	BRL		µg/kg dry	343		BRL				50
2-Nitroaniline	BRL		µg/kg dry	343		BRL				50
3-Nitroaniline	BRL		µg/kg dry	343		BRL				50
4-Nitroaniline	BRL		µg/kg dry	1370		BRL				50
Nitrobenzene	BRL		µg/kg dry	343		BRL				50
2-Nitrophenol	BRL		µg/kg dry	343		BRL				50
4-Nitrophenol	BRL		µg/kg dry	1370		BRL				50
N-Nitrosodimethylamine	BRL		µg/kg dry	343		BRL				50
N-Nitrosodi-n-propylamine	BRL		µg/kg dry	343		BRL				50
N-Nitrosodiphenylamine	BRL		µg/kg dry	343		BRL				50
Pentachlorophenol	BRL		µg/kg dry	343		BRL				50
Phenanthrene	116	J,QM4	µg/kg dry	343		52.1			76	50
Phenol	BRL		µg/kg dry	343		BRL				50
Pyrene	306	J,QM4	µg/kg dry	343		176			54	50
Pyridine	BRL		µg/kg dry	343		BRL				50
1,2,4-Trichlorobenzene	BRL		µg/kg dry	343		BRL				50
2,4,5-Trichlorophenol	BRL		µg/kg dry	343		BRL				50
2,4,6-Trichlorophenol	BRL		µg/kg dry	343		BRL				50
Pentachloronitrobenzene	BRL		µg/kg dry	343		BRL				50
1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	343		BRL				50
Surrogate: 2-Fluorobiphenyl	*1170*		µg/kg dry		*1730*		*67*	*30-130*		
Surrogate: 2-Fluorophenol	*995*		µg/kg dry		*1730*		*57*	*15-110*		
Surrogate: Nitrobenzene-d5	*1090*		µg/kg dry		*1730*		*63*	*30-130*		
Surrogate: Phenol-d5	*873*		µg/kg dry		*1730*		*50*	*15-110*		
Surrogate: Terphenyl-d14	*988*		µg/kg dry		*1730*		*57*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*1010*		µg/kg dry		*1730*		*59*	*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 9011479 - SW846 3550B										
Matrix Spike (9011479-MS1)	**Source: SA90159-02**									
Prepared & Analyzed: 23-Jan-09										
Acenaphthene	1170		µg/kg dry	171	1730	BRL	67	40-140		
Benzo (b) fluoranthene	1320		µg/kg dry	171	1730	75.4	72	40-140		
Benzo (k) fluoranthene	1500		µg/kg dry	171	1730	117	80	40-140		
4-Chloro-3-methylphenol	1230		µg/kg dry	171	1730	BRL	71	30-130		
2-Chlorophenol	1140		µg/kg dry	171	1730	BRL	66	30-130		
Chrysene	1280		µg/kg dry	171	1730	120	67	40-140		
1,4-Dichlorobenzene	1130		µg/kg dry	171	1730	BRL	65	40-140		
Indeno (1,2,3-cd) pyrene	1200		µg/kg dry	171	1730	61.7	66	40-140		
Naphthalene	1130		µg/kg dry	171	1730	BRL	65	40-140		
4-Nitrophenol	1280		µg/kg dry	686	1730	BRL	74	30-130		
N-Nitrosodi-n-propylamine	1330		µg/kg dry	171	1730	BRL	77	40-140		
Pentachlorophenol	1200		µg/kg dry	171	1730	BRL	69	30-130		
Phenol	1180		µg/kg dry	171	1730	BRL	68	30-130		
Pyrene	1400		µg/kg dry	171	1730	176	71	40-140		
1,2,4-Trichlorobenzene	1020		µg/kg dry	171	1730	BRL	59	40-140		
Surrogate: 2-Fluorobiphenyl	*1080*		µg/kg dry		*1730*		*62*	*30-130*		
Surrogate: 2-Fluorophenol	*944*		µg/kg dry		*1730*		*55*	*15-110*		
Surrogate: Nitrobenzene-d5	*1080*		µg/kg dry		*1730*		*63*	*30-130*		
Surrogate: Phenol-d5	*937*		µg/kg dry		*1730*		*54*	*15-110*		
Surrogate: Terphenyl-dl4	*891*		µg/kg dry		*1730*		*51*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*1170*		µg/kg dry		*1730*		*68*	*15-110*		
Matrix Spike Dup (9011479-MSD1)	**Source: SA90159-02**									
Prepared: 23-Jan-09 Analyzed: 24-Jan-09										
Acenaphthene	1220		µg/kg dry	172	1740	BRL	70	40-140	4	30
Benzo (b) fluoranthene	1420		µg/kg dry	172	1740	75.4	77	40-140	7	30
Benzo (k) fluoranthene	1580		µg/kg dry	172	1740	117	84	40-140	5	30
4-Chloro-3-methylphenol	1310		µg/kg dry	172	1740	BRL	75	30-130	6	30
2-Chlorophenol	1200		µg/kg dry	172	1740	BRL	69	30-130	5	30
Chrysene	1370		µg/kg dry	172	1740	120	72	40-140	7	30
1,4-Dichlorobenzene	1210		µg/kg dry	172	1740	BRL	70	40-140	6	30
Indeno (1,2,3-cd) pyrene	1230		µg/kg dry	172	1740	61.7	67	40-140	2	30
Naphthalene	1210		µg/kg dry	172	1740	BRL	69	40-140	6	30
4-Nitrophenol	1280		µg/kg dry	688	1740	BRL	74	30-130	0.05	30
N-Nitrosodi-n-propylamine	1400		µg/kg dry	172	1740	BRL	80	40-140	4	30
Pentachlorophenol	1340		µg/kg dry	172	1740	BRL	77	30-130	11	30
Phenol	1240		µg/kg dry	172	1740	BRL	71	30-130	4	30
Pyrene	1570		µg/kg dry	172	1740	176	80	40-140	13	30
1,2,4-Trichlorobenzene	1100		µg/kg dry	172	1740	BRL	63	40-140	7	30
Surrogate: 2-Fluorobiphenyl	*652*		µg/kg dry		*1740*		*38*	*30-130*		
Surrogate: 2-Fluorophenol	*536*		µg/kg dry		*1740*		*31*	*15-110*		
Surrogate: Nitrobenzene-d5	*640*		µg/kg dry		*1740*		*37*	*30-130*		
Surrogate: Phenol-d5	*538*		µg/kg dry		*1740*		*31*	*15-110*		
Surrogate: Terphenyl-dl4	*548*		µg/kg dry		*1740*		*31*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*699*		µg/kg dry		*1740*		*40*	*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 9011481 - SW846 3545A										
Blank (9011481-BLK1)										
Prepared: 23-Jan-09 Analyzed: 24-Jan-09										
PCB 1016	BRL		µg/kg wet	20.0						
PCB 1221	BRL		µg/kg wet	20.0						
PCB 1232	BRL		µg/kg wet	20.0						
PCB 1242	BRL		µg/kg wet	20.0						
PCB 1248	BRL		µg/kg wet	20.0						
PCB 1254	BRL		µg/kg wet	20.0						
PCB 1260	BRL		µg/kg wet	20.0						
PCB 1262	BRL		µg/kg wet	20.0						
PCB 1268	BRL		µg/kg wet	20.0						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*17.7*		µg/kg wet		*20.0*		*88*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*10.2*		µg/kg wet		*20.0*		*51*	*30-150*		
LCS (9011481-BS1)										
Prepared: 23-Jan-09 Analyzed: 24-Jan-09										
PCB 1016	224		µg/kg wet	20.0	250		90	40-140		
PCB 1260	249		µg/kg wet	20.0	250		100	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*16.6*		µg/kg wet		*20.0*		*83*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*9.50*		µg/kg wet		*20.0*		*48*	*30-150*		
LCS Dup (9011481-BSD1)										
Prepared: 23-Jan-09 Analyzed: 24-Jan-09										
PCB 1016	227		µg/kg wet	20.0	250		91	40-140	1	30
PCB 1260	247		µg/kg wet	20.0	250		99	40-140	0.8	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*16.6*		µg/kg wet		*20.0*		*83*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*9.60*		µg/kg wet		*20.0*		*48*	*30-150*		
Duplicate (9011481-DUP1) **Source: SA90159-02**										
Prepared: 23-Jan-09 Analyzed: 24-Jan-09										
PCB 1016	BRL		µg/kg dry	19.9		BRL				40
PCB 1221	BRL		µg/kg dry	19.9		BRL				40
PCB 1232	BRL		µg/kg dry	19.9		BRL				40
PCB 1242	BRL		µg/kg dry	19.9		BRL				40
PCB 1248	BRL		µg/kg dry	19.9		BRL				40
PCB 1254	BRL		µg/kg dry	19.9		BRL				40
PCB 1260	BRL		µg/kg dry	19.9		BRL				40
PCB 1262	BRL		µg/kg dry	19.9		BRL				40
PCB 1268	BRL		µg/kg dry	19.9		BRL				40
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*17.2*		µg/kg dry		*19.8*		*86*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*10.5*		µg/kg dry		*19.8*		*53*	*30-150*		
Matrix Spike (9011481-MS1) **Source: SA90159-02**										
Prepared: 23-Jan-09 Analyzed: 24-Jan-09										
PCB 1016	235		µg/kg dry	20.7	258	BRL	91	40-140		
PCB 1260	277		µg/kg dry	20.7	258	BRL	107	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*17.9*		µg/kg dry		*20.7*		*87*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*11.4*		µg/kg dry		*20.7*		*55*	*30-150*		
Matrix Spike Dup (9011481-MSD1) **Source: SA90159-02**										
Prepared: 23-Jan-09 Analyzed: 24-Jan-09										
PCB 1016	236		µg/kg dry	20.3	254	BRL	93	40-140	2	50
PCB 1260	265		µg/kg dry	20.3	254	BRL	105	40-140	2	50
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*17.7*		µg/kg dry		*20.3*		*87*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*10.5*		µg/kg dry		*20.3*		*51*	*30-150*		
Batch 9011482 - SW846 3550B										

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9011482 - SW846 3550B										
Blank (9011482-BLK1)										
Prepared: 23-Jan-09 Analyzed: 26-Jan-09										
2,4,5-T	BRL		µg/kg wet	6.70						
2,4,5-T [2C]	BRL		µg/kg wet	6.70						
2,4,5-TP (Silvex)	BRL		µg/kg wet	6.70						
2,4,5-TP (Silvex) [2C]	BRL		µg/kg wet	6.70						
2,4-D	BRL		µg/kg wet	6.70						
2,4-D [2C]	BRL		µg/kg wet	6.70						
2,4-DB	BRL		µg/kg wet	6.70						
2,4-DB [2C]	BRL		µg/kg wet	6.70						
Dalapon	BRL		µg/kg wet	6.70						
Dalapon [2C]	BRL		µg/kg wet	6.70						
Dicamba	BRL		µg/kg wet	6.70						
Dicamba [2C]	BRL		µg/kg wet	6.70						
Dichlorprop	BRL		µg/kg wet	6.70						
Dichlorprop [2C]	BRL		µg/kg wet	6.70						
Dinoseb	BRL		µg/kg wet	6.70						
Dinoseb [2C]	BRL		µg/kg wet	6.70						
MCPA	BRL		µg/kg wet	670						
MCPA [2C]	BRL		µg/kg wet	670						
MCPB	BRL		µg/kg wet	670						
MCPB [2C]	BRL		µg/kg wet	670						
MCPP	BRL		µg/kg wet	670						
MCPP [2C]	BRL		µg/kg wet	670						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*11.6*		µg/kg wet		*13.3*		*87*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [:	*10.0*		µg/kg wet		*13.3*		*75*	*30-150*		
LCS (9011482-BS1)										
Prepared: 23-Jan-09 Analyzed: 26-Jan-09										
2,4,5-T	19.3		µg/kg wet	6.70	33.3		58	40-140		
2,4,5-T [2C]	21.1		µg/kg wet	6.70	33.3		63	40-140		
2,4,5-TP (Silvex)	21.4		µg/kg wet	6.70	33.3		64	40-140		
2,4,5-TP (Silvex) [2C]	23.6		µg/kg wet	6.70	33.3		71	40-140		
2,4-D	18.5		µg/kg wet	6.70	33.3		55	40-140		
2,4-D [2C]	19.7		µg/kg wet	6.70	33.3		59	40-140		
2,4-DB	19.0		µg/kg wet	6.70	33.3		57	40-140		
2,4-DB [2C]	17.9		µg/kg wet	6.70	33.3		54	40-140		
Dalapon	21.6		µg/kg wet	6.70	33.3		65	40-140		
Dalapon [2C]	20.7		µg/kg wet	6.70	33.3		62	40-140		
Dicamba	24.0		µg/kg wet	6.70	33.3		72	40-140		
Dicamba [2C]	22.7		µg/kg wet	6.70	33.3		68	40-140		
Dichlorprop	24.7		µg/kg wet	6.70	33.3		74	40-140		
Dichlorprop [2C]	27.3		µg/kg wet	6.70	33.3		82	40-140		
Dinoseb	23.8		µg/kg wet	6.70	33.3		71	40-140		
Dinoseb [2C]	24.5		µg/kg wet	6.70	33.3		73	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*9.80*		µg/kg wet		*13.3*		*74*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [:	*9.33*		µg/kg wet		*13.3*		*70*	*30-150*		
LCS (9011482-BS2)										
Prepared: 23-Jan-09 Analyzed: 26-Jan-09										
MCPA	11000		µg/kg wet	670	10000		110	40-140		
MCPA [2C]	10600		µg/kg wet	670	10000		106	40-140		
MCPB	11300		µg/kg wet	670	10000		113	40-140		

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9011482 - SW846 3550B										
LCS (9011482-BS2)										
Prepared: 23-Jan-09 Analyzed: 26-Jan-09										
MCPB [2C]	9600		µg/kg wet	670	10000		96	40-140		
MCPP	7200		µg/kg wet	670	10000		72	40-140		
MCPP [2C]	9730		µg/kg wet	670	10000		97	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*9.67*		µg/kg wet		*13.3*		*73*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [:	*8.93*		µg/kg wet		*13.3*		*67*	*30-150*		
LCS Dup (9011482-BSD1)										
Prepared: 23-Jan-09 Analyzed: 26-Jan-09										
2,4,5-T	21.7		µg/kg wet	6.70	33.3		65	40-140	12	25
2,4,5-T [2C]	21.1		µg/kg wet	6.70	33.3		63	40-140	0.3	25
2,4,5-TP (Silvex)	23.3		µg/kg wet	6.70	33.3		70	40-140	9	25
2,4,5-TP (Silvex) [2C]	23.9		µg/kg wet	6.70	33.3		72	40-140	1	25
2,4-D	20.5		µg/kg wet	6.70	33.3		61	40-140	10	25
2,4-D [2C]	21.0		µg/kg wet	6.70	33.3		63	40-140	6	25
2,4-DB	20.8		µg/kg wet	6.70	33.3		62	40-140	9	25
2,4-DB [2C]	22.2		µg/kg wet	6.70	33.3		67	40-140	21	25
Dalapon	20.2		µg/kg wet	6.70	33.3		61	40-140	7	25
Dalapon [2C]	20.9		µg/kg wet	6.70	33.3		63	40-140	1	25
Dicamba	25.5		µg/kg wet	6.70	33.3		76	40-140	6	25
Dicamba [2C]	23.3		µg/kg wet	6.70	33.3		70	40-140	2	25
Dichlorprop	25.9		µg/kg wet	6.70	33.3		78	40-140	5	25
Dichlorprop [2C]	25.7		µg/kg wet	6.70	33.3		77	40-140	6	25
Dinoseb	25.9		µg/kg wet	6.70	33.3		78	40-140	8	25
Dinoseb [2C]	26.0		µg/kg wet	6.70	33.3		78	40-140	6	25
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*10.5*		µg/kg wet		*13.3*		*79*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [:	*9.60*		µg/kg wet		*13.3*		*72*	*30-150*		
LCS Dup (9011482-BSD2)										
Prepared: 23-Jan-09 Analyzed: 26-Jan-09										
MCPA	11300		µg/kg wet	670	10000		113	40-140	3	25
MCPA [2C]	10900		µg/kg wet	670	10000		109	40-140	2	25
MCPB	11100		µg/kg wet	670	10000		111	40-140	1	25
MCPB [2C]	9400		µg/kg wet	670	10000		94	40-140	2	25
MCPP	7870		µg/kg wet	670	10000		79	40-140	9	25
MCPP [2C]	10000		µg/kg wet	670	10000		100	40-140	3	25
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*10.1*		µg/kg wet		*13.3*		*76*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [:	*8.73*		µg/kg wet		*13.3*		*66*	*30-150*		
Duplicate (9011482-DUP1) **Source: SA90121-03**										
Prepared: 23-Jan-09 Analyzed: 27-Jan-09										
2,4,5-T	BRL		µg/kg dry	6.70		BRL				30
2,4,5-T [2C]	BRL		µg/kg dry	6.70		BRL				30
2,4,5-TP (Silvex)	BRL		µg/kg dry	6.70		BRL				30
2,4,5-TP (Silvex) [2C]	BRL		µg/kg dry	6.70		BRL				30
2,4-D	BRL		µg/kg dry	6.70		BRL				30
2,4-D [2C]	BRL		µg/kg dry	6.70		BRL				30
2,4-DB	BRL		µg/kg dry	6.70		BRL				30
2,4-DB [2C]	BRL		µg/kg dry	6.70		BRL				30
Dalapon	BRL		µg/kg dry	6.70		BRL				30
Dalapon [2C]	BRL		µg/kg dry	6.70		BRL				30
Dicamba	BRL		µg/kg dry	6.70		BRL				30
Dicamba [2C]	BRL		µg/kg dry	6.70		BRL				30

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9011482 - SW846 3550B										
Duplicate (9011482-DUP1) Source: SA90121-03										
Prepared: 23-Jan-09 Analyzed: 27-Jan-09										
Dichlorprop	BRL		µg/kg dry	6.70		BRL				30
Dichlorprop [2C]	BRL		µg/kg dry	6.70		BRL				30
Dinoseb	BRL		µg/kg dry	6.70		BRL				30
Dinoseb [2C]	BRL		µg/kg dry	6.70		BRL				30
MCPA	BRL		µg/kg dry	670		BRL				30
MCPA [2C]	BRL		µg/kg dry	670		BRL				30
MCPB	BRL		µg/kg dry	670		BRL				30
MCPB [2C]	BRL		µg/kg dry	670		BRL				30
MCPP	BRL		µg/kg dry	670		BRL				30
MCPP [2C]	BRL		µg/kg dry	670		BRL				30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*17.8*		µg/kg dry		*15.9*		*112*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [:	*16.1*		µg/kg dry		*15.9*		*101*	*30-150*		
Batch 9020018 - SW846 3535										
Blank (9020018-BLK1)										
Prepared & Analyzed: 02-Feb-09										
PCB 1016	BRL		µg/l	0.0200						
PCB 1221	BRL		µg/l	0.0200						
PCB 1232	BRL		µg/l	0.0200						
PCB 1242	BRL		µg/l	0.0200						
PCB 1248	BRL		µg/l	0.0200						
PCB 1254	BRL		µg/l	0.0200						
PCB 1260	BRL		µg/l	0.0200						
PCB 1262	BRL		µg/l	0.0200						
PCB 1268	BRL		µg/l	0.0200						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*BRL*		µg/l		*0.0200*		*97*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*BRL*		µg/l		*0.0200*		*52*	*30-150*		
LCS (9020018-BS1)										
Prepared & Analyzed: 02-Feb-09										
PCB 1016	0.244		µg/l	0.0200	0.250		97	40-140		
PCB 1260	0.277		µg/l	0.0200	0.250		111	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.0187*		µg/l		*0.0200*		*94*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.0114*		µg/l		*0.0200*		*57*	*30-150*		
LCS Dup (9020018-BSD1)										
Prepared & Analyzed: 02-Feb-09										
PCB 1016	0.233		µg/l	0.0200	0.250		93	40-140	4	20
PCB 1260	0.272		µg/l	0.0200	0.250		109	40-140	2	20
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.0183*		µg/l		*0.0200*		*92*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.0103*		µg/l		*0.0200*		*52*	*30-150*		
Duplicate (9020018-DUP1) Source: SA90462-03										
Prepared & Analyzed: 02-Feb-09										
PCB 1016	BRL		µg/l	0.0250		BRL				40
PCB 1221	BRL		µg/l	0.0250		BRL				40
PCB 1232	BRL		µg/l	0.0250		BRL				40
PCB 1242	BRL		µg/l	0.0250		BRL				40
PCB 1248	BRL		µg/l	0.0250		BRL				40
PCB 1254	0.226		µg/l	0.0250		0.306			30	40
PCB 1260	BRL		µg/l	0.0250		BRL				40
PCB 1262	BRL		µg/l	0.0250		BRL				40
PCB 1268	BRL		µg/l	0.0250		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 9020018 - SW846 3535										
Duplicate (9020018-DUP1) **Source: SA90462-03**										
Prepared & Analyzed: 02-Feb-09										
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.0192*	J	µg/l		*0.0250*		*77*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.00925*	J	µg/l		*0.0250*		*37*	*30-150*		

Extractable Petroleum Hydrocarbons - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9011478 - SW846 3550B										
Blank (9011478-BLK1)										
Prepared: 23-Jan-09 Analyzed: 26-Jan-09										
Gasoline	BRL		mg/kg wet	13.3						
Fuel Oil #2	BRL		mg/kg wet	13.3						
Fuel Oil #4	BRL		mg/kg wet	13.3						
Fuel Oil #6	BRL		mg/kg wet	13.3						
Motor Oil	BRL		mg/kg wet	13.3						
Aviation Fuel	BRL		mg/kg wet	13.3						
Unidentified	BRL		mg/kg wet	13.3						
Other Oil	BRL		mg/kg wet	13.3						
Total Petroleum Hydrocarbons	BRL		mg/kg wet	13.3						
C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg wet	13.3						
Surrogate: 1-Chlorooctadecane	*2.56*		mg/kg wet		*3.33*		*77*	*50-150*		
LCS (9011478-BS1)										
Prepared: 23-Jan-09 Analyzed: 26-Jan-09										
C9-C36 Aliphatic Hydrocarbons	65.8		mg/kg wet	13.3	93.3		71	60-120		
Surrogate: 1-Chlorooctadecane	*4.50*		mg/kg wet		*3.33*		*135*	*50-150*		
Duplicate (9011478-DUP1) **Source: SA90159-02**										
Prepared: 23-Jan-09 Analyzed: 26-Jan-09										
Gasoline	BRL		mg/kg dry	13.8		BRL				50
Fuel Oil #2	BRL		mg/kg dry	13.8		BRL				50
Fuel Oil #4	BRL		mg/kg dry	13.8		BRL				50
Fuel Oil #6	BRL		mg/kg dry	13.8		BRL				50
Motor Oil	BRL		mg/kg dry	13.8		BRL				50
Aviation Fuel	BRL		mg/kg dry	13.8		BRL				50
Unidentified	31.6		mg/kg dry	13.8		26.4			18	50
Other Oil	Calculated as		mg/kg dry	13.8		BRL				50
Total Petroleum Hydrocarbons	31.6		mg/kg dry	13.8		26.4			18	50
C9-C36 Aliphatic Hydrocarbons	31.6		mg/kg dry	13.8		26.4			18	50
Surrogate: 1-Chlorooctadecane	*1.44*		mg/kg dry		*1.73*		*83*	*50-150*		
Matrix Spike (9011478-MS1) **Source: SA90159-02**										
Prepared: 23-Jan-09 Analyzed: 26-Jan-09										
C9-C36 Aliphatic Hydrocarbons	105		mg/kg dry	13.8	96.8	26.4	81	50-150		
Surrogate: 1-Chlorooctadecane	*4.59*		mg/kg dry		*3.46*		*133*	*50-150*		
Matrix Spike Dup (9011478-MSD1) **Source: SA90159-02**										
Prepared: 23-Jan-09 Analyzed: 26-Jan-09										
C9-C36 Aliphatic Hydrocarbons	106		mg/kg dry	13.4	94.4	26.4	84	50-150	3	30
Surrogate: 1-Chlorooctadecane	*4.28*		mg/kg dry		*3.37*		*127*	*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 9011398 - SW846 3050B										
Blank (9011398-BLK1)										
Prepared: 22-Jan-09 Analyzed: 23-Jan-09										
Lead	BRL		mg/kg wet	1.46						
Selenium	BRL		mg/kg wet	1.46						
Arsenic	BRL		mg/kg wet	1.46						
Chromium	BRL		mg/kg wet	0.977						
Cadmium	BRL		mg/kg wet	0.488						
Silver	BRL		mg/kg wet	1.46						
Barium	BRL		mg/kg wet	0.977						
Duplicate (9011398-DUP1) Source: SA90135-01										
Prepared: 22-Jan-09 Analyzed: 23-Jan-09										
Selenium	2.30		mg/kg dry	1.58		2.41			5	20
Lead	18.7	QR6	mg/kg dry	1.58		23.2			22	20
Arsenic	1.58		mg/kg dry	1.58		1.54			3	20
Chromium	10.1		mg/kg dry	1.05		10.1			0.5	20
Silver	BRL		mg/kg dry	1.58		BRL				20
Cadmium	0.253	J	mg/kg dry	0.527		0.234			8	20
Barium	51.6		mg/kg dry	1.05		44.2			15	20
Matrix Spike (9011398-MS1) Source: SA90135-02										
Prepared: 22-Jan-09 Analyzed: 23-Jan-09										
Lead	138		mg/kg dry	1.70	142	2.30	96	75-125		
Selenium	133		mg/kg dry	1.70	142	0.661	93	75-125		
Cadmium	132		mg/kg dry	0.568	142	0.108	93	75-125		
Chromium	130		mg/kg dry	1.14	142	2.31	90	75-125		
Silver	119		mg/kg dry	1.70	142	BRL	84	75-125		
Arsenic	121		mg/kg dry	1.70	142	0.677	85	75-125		
Barium	173		mg/kg dry	1.14	142	20.1	108	75-125		
Matrix Spike Dup (9011398-MSD1) Source: SA90135-02										
Prepared: 22-Jan-09 Analyzed: 23-Jan-09										
Lead	144		mg/kg dry	1.77	147	2.30	96	75-125	5	20
Selenium	139		mg/kg dry	1.77	147	0.661	94	75-125	4	20
Chromium	136		mg/kg dry	1.18	147	2.31	91	75-125	4	20
Cadmium	138		mg/kg dry	0.589	147	0.108	94	75-125	4	20
Arsenic	127		mg/kg dry	1.77	147	0.677	86	75-125	5	20
Silver	124		mg/kg dry	1.77	147	BRL	84	75-125	5	20
Barium	184		mg/kg dry	1.18	147	20.1	111	75-125	6	20
Post Spike (9011398-PS1) Source: SA90135-02										
Prepared: 22-Jan-09 Analyzed: 23-Jan-09										
Selenium	131		mg/kg dry	1.60	134	0.661	97	80-120		
Lead	136		mg/kg dry	1.60	134	2.30	100	80-120		
Silver	125		mg/kg dry	1.60	134	BRL	94	80-120		
Cadmium	131		mg/kg dry	0.535	134	0.108	98	80-120		
Arsenic	120		mg/kg dry	1.60	134	0.677	89	80-120		
Chromium	128		mg/kg dry	1.07	134	2.31	94	80-120		
Barium	149		mg/kg dry	1.07	134	20.1	97	80-120		
Reference (9011398-SRM1)										
Prepared: 22-Jan-09 Analyzed: 23-Jan-09										
Selenium	148		mg/kg wet	1.50	148		100	76.6-123.1		
Lead	45.8		mg/kg wet	1.50	44.5		103	78.8-120.9		

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 9011398 - SW846 3050B										
Reference (9011398-SRM1)										
Prepared: 22-Jan-09 Analyzed: 23-Jan-09										
Chromium	120		mg/kg wet	1.00	122		98	79.7-120.3		
Arsenic	48.3		mg/kg wet	1.50	53.8		90	77.6-123.1		
Cadmium	30.9		mg/kg wet	0.500	31.4		98	80.9-119.3		
Silver	14.4		mg/kg wet	1.50	15.6		93	66.4-133.6		
Barium	95.5		mg/kg wet	1.00	102		93	79.8-119.7		
Reference (9011398-SRM2)										
Prepared: 22-Jan-09 Analyzed: 23-Jan-09										
Lead	45.3		mg/kg wet	1.50	44.0		103	78.8-120.9		
Selenium	152		mg/kg wet	1.50	146		104	76.6-123.1		
Arsenic	49.9		mg/kg wet	1.50	53.2		94	77.6-123.1		
Cadmium	31.0		mg/kg wet	0.500	31.0		100	80.9-119.3		
Chromium	124		mg/kg wet	1.00	121		103	79.7-120.3		
Silver	14.8		mg/kg wet	1.50	15.4		96	66.4-133.6		
Barium	96.8		mg/kg wet	1.00	101		96	79.8-119.7		
Batch 9011399 - EPA200/SW7000 Series										
Blank (9011399-BLK1)										
Prepared: 22-Jan-09 Analyzed: 26-Jan-09										
Mercury	BRL		mg/kg wet	0.0272						
Duplicate (9011399-DUP1) **Source: SA90135-01**										
Prepared: 22-Jan-09 Analyzed: 26-Jan-09										
Mercury	0.0251	J	mg/kg dry	0.0321		0.0274			9	20
Matrix Spike (9011399-MS1) **Source: SA90135-02**										
Prepared: 22-Jan-09 Analyzed: 26-Jan-09										
Mercury	0.589		mg/kg dry	0.0364	0.505	BRL	117	75-125		
Matrix Spike Dup (9011399-MSD1) **Source: SA90135-02**										
Prepared: 22-Jan-09 Analyzed: 26-Jan-09										
Mercury	0.549		mg/kg dry	0.0340	0.472	BRL	116	75-125	7	20
Post Spike (9011399-PS1) **Source: SA90135-02**										
Prepared: 22-Jan-09 Analyzed: 26-Jan-09										
Mercury	0.584		mg/kg dry	0.0366	0.508	BRL	115	80-120		
Reference (9011399-SRM1)										
Prepared: 22-Jan-09 Analyzed: 26-Jan-09										
Mercury	2.46		mg/kg wet	0.0300	2.23		110	71.7-128.8		

TCLP Metals by EPA 1311 & 6000/7000 Series Methods - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9020008 - SW846 3010A										
Blank (9020008-BLK1)										
Prepared & Analyzed: 02-Feb-09										
Lead	BRL		mg/l	0.0150						
Arsenic	BRL		mg/l	0.0080						
LCS (9020008-BS1)										
Prepared & Analyzed: 02-Feb-09										
Lead	2.36		mg/l	0.0150	2.50		95	85-115		
Arsenic	2.80		mg/l	0.0080	2.50		112	85-115		
LCS Dup (9020008-BSD1)										
Prepared & Analyzed: 02-Feb-09										
Lead	2.36		mg/l	0.0150	2.50		95	85-115	0	20
Arsenic	2.82		mg/l	0.0080	2.50		113	85-115	0.5	20
Duplicate (9020008-DUP1)	**Source: SA90121-04**									
Prepared & Analyzed: 02-Feb-09										
Lead	0.0216		mg/l	0.0150		0.0207			4	20
Arsenic	0.128		mg/l	0.0080		0.124			3	20
Matrix Spike (9020008-MS1)	**Source: SA90448-01**									
Prepared & Analyzed: 02-Feb-09										
Lead	3.05		mg/l	0.0150	2.50	0.669	95	75-125		
Arsenic	2.82		mg/l	0.0080	2.50	BRL	113	75-125		
Matrix Spike Dup (9020008-MSD1)	**Source: SA90448-01**									
Prepared & Analyzed: 02-Feb-09										
Lead	3.03		mg/l	0.0150	2.50	0.669	95	75-125	0.5	20
Arsenic	2.81		mg/l	0.0080	2.50	BRL	112	75-125	0.5	20
Post Spike (9020008-PS1)	**Source: SA90448-01**									
Prepared & Analyzed: 02-Feb-09										
Lead	3.05		mg/l	0.0150	2.50	0.669	95	75-125		
Arsenic	2.87		mg/l	0.0080	2.50	BRL	115	75-125		
Batch 9021206 - SW846 3010A										
Blank (9021206-BLK1)										
Prepared & Analyzed: 18-Feb-09										
Lead	BRL		mg/l	0.0150						
LCS (9021206-BS1)										
Prepared & Analyzed: 18-Feb-09										
Lead	2.30		mg/l	0.0150	2.50		92	85-115		
LCS Dup (9021206-BSD1)										
Prepared & Analyzed: 18-Feb-09										
Lead	2.43		mg/l	0.0150	2.50		97	85-115	5	20
Duplicate (9021206-DUP1)	**Source: SA91037-01**									
Prepared & Analyzed: 18-Feb-09										
Lead	0.108		mg/l	0.0150		0.125			15	20
Matrix Spike (9021206-MS1)	**Source: SA90121-02**									
Prepared & Analyzed: 18-Feb-09										
Lead	2.47		mg/l	0.0150	2.50	0.0850	95	75-125		
Matrix Spike Dup (9021206-MSD1)	**Source: SA90121-02**									
Prepared & Analyzed: 18-Feb-09										

TCLP Metals by EPA 1311 & 6000/7000 Series Methods - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9021206 - SW846 3010A										
Matrix Spike Dup (9021206-MSD1)	**Source: SA90121-02**									
Prepared & Analyzed: 18-Feb-09										
Lead	2.47		mg/l	0.0150	2.50	0.0850	96	75-125	0.08	20
Post Spike (9021206-PS1)	**Source: SA90121-02**									
Prepared & Analyzed: 18-Feb-09										
Lead	2.61		mg/l	0.0150	2.50	0.0850	101	75-125		

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 9020351 - SW846 3010A										
Blank (9020351-BLK1)										
Prepared & Analyzed: 06-Feb-09										
Lead	BRL		mg/l	0.0150						
Chromium	BRL		mg/l	0.0100						
Cadmium	BRL		mg/l	0.0050						
Arsenic	BRL		mg/l	0.0080						
LCS (9020351-BS1)										
Prepared & Analyzed: 06-Feb-09										
Lead	2.42		mg/l	0.0150	2.50		97	85-115		
Chromium	2.49		mg/l	0.0100	2.50		100	85-115		
Arsenic	2.40		mg/l	0.0080	2.50		96	85-115		
Cadmium	2.48		mg/l	0.0050	2.50		99	85-115		
LCS Dup (9020351-BSD1)										
Prepared & Analyzed: 06-Feb-09										
Lead	2.43		mg/l	0.0150	2.50		97	85-115	0.2	20
Cadmium	2.49		mg/l	0.0050	2.50		100	85-115	0.4	20
Arsenic	2.42		mg/l	0.0080	2.50		97	85-115	0.5	20
Chromium	2.50		mg/l	0.0100	2.50		100	85-115	0.2	20
Duplicate (9020351-DUP1)	**Source: SA90580-01**									
Prepared & Analyzed: 06-Feb-09										
Lead	0.0418	QR6	mg/l	0.0150		0.0336			22	20
Cadmium	BRL		mg/l	0.0050		BRL				20
Arsenic	BRL		mg/l	0.0080		BRL				20
Chromium	BRL		mg/l	0.0100		BRL				20
Matrix Spike (9020351-MS1)	**Source: SA90569-01**									
Prepared & Analyzed: 06-Feb-09										
Lead	2.39		mg/l	0.0150	2.50	BRL	96	75-125		
Cadmium	2.47		mg/l	0.0050	2.50	BRL	99	75-125		
Arsenic	2.42		mg/l	0.0080	2.50	BRL	97	75-125		
Chromium	2.45		mg/l	0.0100	2.50	BRL	98	75-125		
Matrix Spike Dup (9020351-MSD1)	**Source: SA90569-01**									
Prepared & Analyzed: 06-Feb-09										
Lead	2.39		mg/l	0.0150	2.50	BRL	96	75-125	0.3	20
Arsenic	2.40		mg/l	0.0080	2.50	BRL	96	75-125	1	20
Cadmium	2.46		mg/l	0.0050	2.50	BRL	98	75-125	0.4	20
Chromium	2.45		mg/l	0.0100	2.50	BRL	98	75-125	0.08	20
Post Spike (9020351-PS1)	**Source: SA90569-01**									
Prepared & Analyzed: 06-Feb-09										
Lead	2.37		mg/l	0.0150	2.50	BRL	95	75-125		
Chromium	2.43		mg/l	0.0100	2.50	BRL	97	75-125		
Arsenic	2.37		mg/l	0.0080	2.50	BRL	95	75-125		
Cadmium	2.44		mg/l	0.0050	2.50	BRL	97	75-125		
Batch 9020352 - EPA200/SW7000 Series										
Blank (9020352-BLK1)										
Prepared & Analyzed: 06-Feb-09										
Mercury	BRL		mg/l	0.00020						
LCS (9020352-BS1)										
Prepared & Analyzed: 06-Feb-09										

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 9020352 - EPA200/SW7000 Series										
LCS (9020352-BS1)										
Prepared & Analyzed: 06-Feb-09										
Mercury	0.00446		mg/l	0.00020	0.00500		89	56.1-122		
Duplicate (9020352-DUP1)	**Source: SA90580-01**									
Prepared & Analyzed: 06-Feb-09										
Mercury	BRL		mg/l	0.00020		BRL				20
Matrix Spike (9020352-MS1)	**Source: SA90569-01**									
Prepared & Analyzed: 06-Feb-09										
Mercury	0.00463		mg/l	0.00020	0.00500	BRL	93	59.8-119		
Matrix Spike Dup (9020352-MSD1)	**Source: SA90569-01**									
Prepared & Analyzed: 06-Feb-09										
Mercury	0.00442		mg/l	0.00020	0.00500	BRL	88	59.8-119	5	20
Post Spike (9020352-PS1)	**Source: SA90569-01**									
Prepared & Analyzed: 06-Feb-09										
Mercury	0.00448		mg/l	0.00020	0.00500	BRL	90	72.4-113		
Batch 9021208 - SW846 3010A										
Blank (9021208-BLK1)										
Prepared & Analyzed: 18-Feb-09										
Lead	BRL		mg/l	0.0150						
LCS (9021208-BS1)										
Prepared & Analyzed: 18-Feb-09										
Lead	2.45		mg/l	0.0150	2.50		98	85-115		
LCS Dup (9021208-BSD1)										
Prepared & Analyzed: 18-Feb-09										
Lead	2.45		mg/l	0.0150	2.50		98	85-115	0.04	20
Duplicate (9021208-DUP1)	**Source: SA90121-02**									
Prepared & Analyzed: 18-Feb-09										
Lead	0.0508		mg/l	0.0150		0.0477			6	20
Matrix Spike (9021208-MS1)	**Source: SA90008-02**									
Prepared & Analyzed: 18-Feb-09										
Lead	2.53		mg/l	0.0150	2.50	BRL	101	75-125		
Matrix Spike Dup (9021208-MSD1)	**Source: SA90008-02**									
Prepared & Analyzed: 18-Feb-09										
Lead	2.49		mg/l	0.0150	2.50	BRL	99	75-125	2	20
Post Spike (9021208-PS1)	**Source: SA90008-02**									
Prepared & Analyzed: 18-Feb-09										
Lead	2.56		mg/l	0.0150	2.50	BRL	102	75-125		

General Chemistry Parameters - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9011456 - General Preparation										
Duplicate (9011456-DUP1)	**Source: SA90121-01**									
Prepared & Analyzed: 22-Jan-09										
% Solids	77.3		%			78.8			2	20

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

* Reportable Detection Limit BRL = Below Reporting Limit

Notes and Definitions

QC2	Analyte out of acceptance range in QC spike but no reportable concentration present in sample.
QM4	Visual evaluation of the sample indicates the RPD is above the control limit due to a non-homogeneous sample matrix.
QR2	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
QR6	The RPD exceeded the QC control limits; however precision is demonstrated with acceptable RPD values for MS/MSD.
S02	The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.
VC10	The VOC preserved soil sample is not within the 1:1 weight to volume ratio as recommended by SW846 methods 5030 and 5035 but may be within the 1:1 volume to volume ratio. This variance may affect the final reporting limit.
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.
Nicole Leja
Rebecca Merz

SA-90121 UK

SPECTRUM ANALYTICAL, INC.
formerly
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

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.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Tetra Tech Rizzo
150 Trumbull St. 4th fl.
Hartford, CT 06103

Project Mgr.: David Brossard

Invoice To: DASX 44236

P.O. No.: _____ RQN: _____

Project No.: 127-17797-08011
Site Name: Hartford Busway
Location: Hartford State: CT
Sampler(s): Patrick S. dePaula

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH_3OH 8=$NaHSO_3$ 9=_____ 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

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

QA/QC Reporting Level
- [X] Standard
- [ ] No QC
- [ ] Other _____

* State specific reporting standards: CT

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic		VOC 8260	SVOC 8270	CT ETPH	PCB 8080	Herbicides 8151	Total RCRA 8 Metals		
DA90121-01	RSB-D9	1/20/09	1115	G	SO	7	3	2				X	X	X	X	X	X		
02	RSB-D10	↓	1100	↓	↓	↓	↓	↓				↓	↓	↓	↓	↓	↓		
03	RSB-D11	↓	1035	↓	↓	↓	↓	↓				↓	↓	↓	↓	↓	↓		
04	RSB-D12	↓	1015	↓	↓	↓	↓	↓				X	X	X	X	X	X		

- [ ] Fax results when available to (____) _____
- [X] E-mail to patrick.depaula@tetratech.com
EDD Format _____

Condition upon receipt: [ ] Iced [ ] Ambient [ ] °C (40)

Relinquished by:	Received by:	Date:	Time:
Patrick dePaula	[signature]	1/21/09	910
	Michael Shehe	1-21-09	1455

SA 90121 UK

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

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Report To: Tetra Tech Rizzo
150 Trumbull St. 4th fl
Hartford, CT 06103

Project Mgr.: David Brassard

Invoice To: DASX 44236

P.O. No.: _____ RQN: _____

Project No.: 127-17797-08011
Site Name: Hartford Busway
Location: Hartford State: CT
Sampler(s): Patrick S. de Paula

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
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DW=Drinking Water GW=Groundwater WW=Wastewater
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X1=_____ X2=_____ X3=_____

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

QA/QC Reporting Level
- [X] Standard
- [ ] No QC
- [ ] Other: _____

State specific reporting standards: CT

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	VOC 8260	SVOC 8270	CT ETPH	PCB 8080	Herbicides 8151	Total RCRA 8 Metals	SPLP PCBs	TCLP As + Pb
SA90121-01	RSB-D9	1/20/09	1115	G	SO	7	3	2			X	X	X	X	X	X		
02	RSB-D10	↓	1100	↓	↓	↓	↓	↓			↓	↓	↓	↓	↓	↓	✓	
03	RSB-D11	↓	1035	↓	↓	↓	↓	↓			↓	↓	↓	↓	↓	↓	✓	
04	RSB-D12	↓	1015	↓	↓	↓	↓	↓			X	X	X	X	X	X		✓

ADDED 1/29/09
ANALYSIS See attached

- [ ] Fax results when available to (____) _____
- [X] E-mail to patrick.depaula@tetratech.com
EDD Format _____

Condition upon receipt: [ ] Iced [ ] Ambient [ ] °C 40

Relinquished by:	Received by:	Date:	Time:
Patrick de Paula	[signature]	1/20/09	910
[signature]	Michael Shake	1-21-09	1455

SA 90121 UK

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:
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Report To: Tetra Tech Rizzo
150 Trumbull St. 4th fl.
Hartford, CT 06103

Project Mgr.: David Brassard

Invoice To: DASX 44236

P.O. No.: _____ RQN: _____

Project No.: 127-17797-08011
Site Name: Hartford Busway
Location: Hartford State: CT
Sampler(s): Patrick S. de Paula

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7=CH_3OH 8=$NaHSO_4$ 9=_____ 10=_____

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

QA/QC Reporting Level
- [X] Standard
- [ ] No QC
- [ ] Other _____

State specific reporting standards: CT

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic		VOC 8260	SVOC 8270	CT ETPH	PCB 8082	Herbicides 8151	Total RCRA 8 Metals	SPLP PCBs	TCLP As + Pb	QA Reporting Notes
SA90121-01	RSB-D9	1/20/09	1115	G	SO	7	3	2				X	X	X	X	X	X			
02	RSB-D10		1100															✓		
03	RSB-D11		1035															✓		X SPLP As, Hg, Cd, Pb
04	RSB-D12		1015									X	X	X	X	X	X		✓	X SPLP As, Hg, TCLP As
																				Added 2/3/09
																				ADDED 1/29/09
																				ANALYSIS See attached

- [ ] Fax results when available to (____) _____
- [X] E-mail to patrick.depaula@tetratech.com
EDD Format _____

Condition upon receipt: [ ] Iced [ ] Ambient [ ] °C (40)

Relinquished by:	Received by:	Date:	Time:
Patrick S. de Paula	[signature]	1/21/09	9:10
	Michael Shahe	1-21-09	1455

SA 90121 CK

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:
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- Samples disposed of after 60 days unless otherwise instructed.

Report To: Tetra Tech Rizzo
150 Trumbull St. 4th Fl
Hartford, CT 06103

Project Mgr.: David Brassard

Invoice To: DASX 44236

P.O. No.: _____ RQN: _____

Project No.: 127-17797-08011
Site Name: Hartford Busway
Location: Hartford State: CT
Sampler(s): Patrick S. de Paula

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= _____ 10= _____

DW=Drinking Water GW=Groundwater WW=Wastewater
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X1= _____ X2= _____ X3= _____

G=Grab C=Composite

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

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

State specific reporting standards: CT

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	# of VOA Vials	# of Amber Glass	# of Clear Glass	~~# of Plastic~~ TCLP Pb	SPLP Pb	VOC 8260	SVOC 8270	CT ETPH	PCB 8080	Herbicides 8151	Total RCRA Metals	SPLP Pb	TCLP + Pb	QA Reporting Notes
0901321-01	RSB-D9	1/20/09	1115	G	SO	7	3	2				X	X	X	X	X	X			
02	RSB-D10		1100							✓	✓							✓		
03	RSB-D11		1035							✓	✓							✓		X SPLP As, Hg, Cd, Cr
04	RSB-D12		1015								✓	X	X	X	X	X	X			X Solid As, Hg TCLP AS
																				Added 2/13/09 See attached
																				1/29/09 Sent to lab

☐ Fax results when available to (____) _____
☒ E-mail to patrick.depaula@tetratech.com
EDD Format _____

Condition upon receipt: ☐ Iced ☐ Ambient ☐ °C (40)

Relinquished by:	Received by:	Date:	Time:
Patrick S. de Paula	[signature]	1/21/09	9:10
[signature]	[signature]	1-21-09	1455

Report Date:
25-Feb-09 12:36

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

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

Project: Hartford Busway - Hartford, CT
Project 127-17797-08011

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SA90232-01	RSB-B44	Soil	22-Jan-09 09:00	23-Jan-09 15:12
SA90232-02	RSB-D3	Soil	22-Jan-09 08:20	23-Jan-09 15:12
SA90232-03	RSB-D13	Soil	22-Jan-09 09:45	23-Jan-09 15:12
SA90232-04	RSB-D14	Soil	22-Jan-09 12:15	23-Jan-09 15:12
SA90232-05	RSB-D15	Soil	22-Jan-09 10:30	23-Jan-09 15:12
SA90232-06	RSB-D17	Soil	22-Jan-09 11:00	23-Jan-09 15:12
SA90232-07	RSB-D18	Soil	22-Jan-09 11:50	23-Jan-09 15:12

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 69 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 samples were received 4.9 degrees Celsius, please refer to the Chain of Custody for details specific to temperature upon receipt. An infrared thermometer with a tolerance of +/- 2.0 degrees Celsius was used immediately upon receipt of the samples.

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

+CT ETPH

Duplicates:

9011797-DUP2 *Source: SA90275-01*

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

C9-C36 Aliphatic Hydrocarbons
Total Petroleum Hydrocarbons
Unidentified

Samples:

SA90232-02 *RSB-D3*

The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

1-Chlorooctadecane

SW846 1312

Samples:

SA90232-02 *RSB-D3*

This sample was analyzed outside the EPA recommended holding time per client request.

SPLP Extraction

SW846 6010B

Duplicates:

9011604-DUP1 *Source: SA90212-01*

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

Arsenic
Barium
Cadmium
Lead

SW846 8151A

Laboratory Control Samples:

9011807-BS2

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

MCPA [2C]

9011807-BSD2

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

MCPA [2C]

SW846 8151A

Samples:

SA90232-02 *RSB-D3*

The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

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

SW846 8260B

Laboratory Control Samples:

9011706-BSD1

Analyte out of acceptance range.

Ethanol

9011813-BS1

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

1,2-Dibromo-3-chloropropane
2,2-Dichloropropane
trans-1,3-Dichloropropene

9011813-BSD1

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

1,2-Dibromo-3-chloropropane
2,2-Dichloropropane
trans-1,3-Dichloropropene

Samples:

SA90232-02 *RSB-D3*

Analyte concentration confirmed by duplicate analysis.

Dichlorodifluoromethane (Freon12)

SA90232-05 *RSB-D15*

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

SA90232-06 *RSB-D17*

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

SW846 8270C

Laboratory Control Samples:

9011799-BS1

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

2,4-Dinitrophenol
4,6-Dinitro-2-methylphenol
Aniline
Hexachlorocyclopentadiene

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-B44 SA90232-01	127-17797-08011	Soil	22-Jan-09 09:00	23-Jan-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	26-Jan-09	26-Jan-09	9011618	
Volatile Organic Compounds											
Prepared by method SW846 5035A Soil (low level)					Initial weight: 5.53 g						
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	7.5	1	SW846 8260B	27-Jan-09	28-Jan-09	9011706	X
67-64-1	Acetone	BRL		µg/kg dry	75.0	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	7.5	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	7.5	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	7.5	1	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	7.5	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	7.5	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	7.5	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	15.0	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	75.0	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	7.5	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	7.5	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	7.5	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	37.5	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	7.5	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	7.5	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	15.0	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	7.5	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	15.0	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	7.5	1	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	7.5	1	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	15.0	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	7.5	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	7.5	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	7.5	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	7.5	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	7.5	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	7.5	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	22.1		µg/kg dry	15.0	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	7.5	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	7.5	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	7.5	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	7.5	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	7.5	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	7.5	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	7.5	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	7.5	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	7.5	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	7.5	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	7.5	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	7.5	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	7.5	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	75.0	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	7.5	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	7.5	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	7.5	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	75.0	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	75.0	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	7.5	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-B44 SA90232-01	127-17797-08011	Soil	22-Jan-09 09:00	23-Jan-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: 5.53 g						
103-65-1	n-Propylbenzene	BRL		µg/kg dry	7.5	1	SW846 8260B	27-Jan-09	28-Jan-09	9011706	X
100-42-5	Styrene	BRL		µg/kg dry	7.5	1	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	7.5	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	7.5	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	7.5	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	7.5	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	7.5	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	7.5	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	7.5	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	7.5	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	7.5	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	7.5	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	7.5	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	7.5	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	7.5	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	7.5	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	7.5	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	15.0	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	7.5	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	75.0	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	7.5	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	7.5	1	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	7.5	1	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	7.5	1	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	75.0	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	150	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	37.5	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	3000	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*81*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*91*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*122*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*108*		*70-130 %*			"	"	"	"	
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
83-32-9	Acenaphthene	BRL		µg/kg dry	427	1	SW846 8270C	28-Jan-09	29-Jan-09	9011799	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	427	1	"	"	"	"	X
62-53-3	Aniline	BRL		µg/kg dry	427	1	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	427	1	"	"	"	"	X
1912-24-9	Atrazine	BRL		µg/kg dry	427	1	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/kg dry	427	1	"	"	"	"	
92-87-5	Benzidine	BRL		µg/kg dry	427	1	"	"	"	"	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	427	1	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	427	1	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	427	1	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	427	1	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	427	1	"	"	"	"	X
65-85-0	Benzoic acid	BRL		µg/kg dry	427	1	"	"	"	"	X
100-51-6	Benzyl alcohol	BRL		µg/kg dry	427	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-B44 SA90232-01	127-17797-08011	Soil	22-Jan-09 09:00	23-Jan-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 3550B											
111-91-1	Bis(2-chloroethoxy)methane	BRL		µg/kg dry	427	1	SW846 8270C	28-Jan-09	29-Jan-09	9011799	X
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/kg dry	427	1	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	427	1	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	427	1	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/kg dry	427	1	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	BRL		µg/kg dry	427	1	"	"	"	"	X
86-74-8	Carbazole	BRL		µg/kg dry	427	1	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	BRL		µg/kg dry	427	1	"	"	"	"	X
106-47-8	4-Chloroaniline	BRL		µg/kg dry	427	1	"	"	"	"	X
91-58-7	2-Chloronaphthalene	BRL		µg/kg dry	427	1	"	"	"	"	X
95-57-8	2-Chlorophenol	BRL		µg/kg dry	427	1	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/kg dry	427	1	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	427	1	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	427	1	"	"	"	"	X
132-64-9	Dibenzofuran	BRL		µg/kg dry	427	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	427	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	427	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	427	1	"	"	"	"	X
91-94-1	3,3'-Dichlorobenzidine	BRL		µg/kg dry	427	1	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	BRL		µg/kg dry	427	1	"	"	"	"	X
84-66-2	Diethyl phthalate	BRL		µg/kg dry	427	1	"	"	"	"	X
131-11-3	Dimethyl phthalate	BRL		µg/kg dry	427	1	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	BRL		µg/kg dry	427	1	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	BRL		µg/kg dry	427	1	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	427	1	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	BRL		µg/kg dry	427	1	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	BRL		µg/kg dry	427	1	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	BRL		µg/kg dry	427	1	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	BRL		µg/kg dry	427	1	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	427	1	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	427	1	"	"	"	"	X
118-74-1	Hexachlorobenzene	BRL		µg/kg dry	427	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	427	1	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	BRL		µg/kg dry	427	1	"	"	"	"	X
67-72-1	Hexachloroethane	BRL		µg/kg dry	427	1	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	427	1	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	427	1	"	"	"	"	
78-59-1	Isophorone	BRL		µg/kg dry	427	1	"	"	"	"	X
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	427	1	"	"	"	"	X
95-48-7	2-Methylphenol	BRL		µg/kg dry	427	1	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	BRL		µg/kg dry	427	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	427	1	"	"	"	"	X
88-74-4	2-Nitroaniline	BRL		µg/kg dry	427	1	"	"	"	"	X
99-09-2	3-Nitroaniline	BRL		µg/kg dry	427	1	"	"	"	"	X
100-01-6	4-Nitroaniline	BRL		µg/kg dry	1710	1	"	"	"	"	X
98-95-3	Nitrobenzene	BRL		µg/kg dry	427	1	"	"	"	"	X
88-75-5	2-Nitrophenol	BRL		µg/kg dry	427	1	"	"	"	"	X
100-02-7	4-Nitrophenol	BRL		µg/kg dry	1710	1	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	BRL		µg/kg dry	427	1	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/kg dry	427	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-B44 SA90232-01	127-17797-08011	Soil	22-Jan-09 09:00	23-Jan-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 3550B											
86-30-6	N-Nitrosodiphenylamine	BRL		µg/kg dry	427	1	SW846 8270C	28-Jan-09	29-Jan-09	9011799	X
87-86-5	Pentachlorophenol	BRL		µg/kg dry	427	1	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	427	1	"	"	"	"	X
108-95-2	Phenol	BRL		µg/kg dry	427	1	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	427	1	"	"	"	"	X
110-86-1	Pyridine	BRL		µg/kg dry	427	1	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	427	1	"	"	"	"	X
95-95-4	2,4,5-Trichlorophenol	BRL		µg/kg dry	427	1	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	BRL		µg/kg dry	427	1	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	BRL		µg/kg dry	427	1	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	427	1	"	"	"	"	X
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*63*		*30-130 %*			"	"	"	"	
367-12-4	*2-Fluorophenol*	*54*		*15-110 %*			"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*59*		*30-130 %*			"	"	"	"	
4165-62-2	*Phenol-d5*	*46*		*15-110 %*			"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*53*		*30-130 %*			"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*62*		*15-110 %*			"	"	"	"	
Semivolatile Organic Compounds by GC											
Polychlorinated Biphenyls by SW846 8082											
Prepared by method SW846 3550B											
12674-11-2	PCB 1016	BRL		µg/kg dry	26.2	1	SW846 8082	27-Jan-09	29-Jan-09	9011747	X
11104-28-2	PCB 1221	BRL		µg/kg dry	26.2	1	"	"	"	"	X
11141-16-5	PCB 1232	BRL		µg/kg dry	26.2	1	"	"	"	"	X
53469-21-9	PCB 1242	BRL		µg/kg dry	26.2	1	"	"	"	"	X
12672-29-6	PCB 1248	BRL		µg/kg dry	26.2	1	"	"	"	"	X
11097-69-1	PCB 1254	BRL		µg/kg dry	26.2	1	"	"	"	"	X
11096-82-5	PCB 1260	BRL		µg/kg dry	26.2	1	"	"	"	"	X
37324-23-5	PCB 1262	BRL		µg/kg dry	26.2	1	"	"	"	"	X
11100-14-4	PCB 1268	BRL		µg/kg dry	26.2	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*116*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*69*		*30-150 %*			"	"	"	"	
Chlorinated Herbicides by SW846 8151A											
Prepared by method SW846 3550B											
93-76-5	2,4,5-T	BRL		µg/kg dry	6.70	1	SW846 8151A	28-Jan-09	30-Jan-09	9011807	X
93-72-1	2,4,5-TP (Silvex)	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-75-7	2,4-D	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-82-6	2,4-DB	BRL		µg/kg dry	6.70	1	"	"	"	"	X
75-99-0	Dalapon	BRL		µg/kg dry	6.70	1	"	"	"	"	X
1918-00-9	Dicamba	BRL		µg/kg dry	6.70	1	"	"	"	"	X
120-36-5	Dichlorprop	BRL		µg/kg dry	6.70	1	"	"	"	"	X
88-85-7	Dinoseb	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-74-6	MCPA	BRL		µg/kg dry	670	1	"	"	"	"	X
94-81-5	MCPB	BRL		µg/kg dry	670	1	"	"	"	"	
93-65-2	MCPP	BRL		µg/kg dry	670	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*68*		*30-150 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-B44 SA90232-01	127-17797-08011	Soil	22-Jan-09 09:00	23-Jan-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 3550B											
8006-61-9	Gasoline	BRL		mg/kg dry	17.2	1	+CT ETPH	28-Jan-09	29-Jan-09	9011797	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	17.2	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	17.2	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	17.2	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	17.2	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	17.2	1	"	"	"	"	
	Unidentified	39.8		mg/kg dry	17.2	1	"	"	"	"	
	Other Oil	Calculated as		mg/kg dry	17.2	1	"	"	"	"	
	Total Petroleum Hydrocarbons	39.8		mg/kg dry	17.2	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	39.8		mg/kg dry	17.2	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*86*		*50-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	BRL		mg/kg dry	1.92	1	SW846 6010B	26-Jan-09	27-Jan-09	9011604	X
7440-38-2	Arsenic	4.31		mg/kg dry	1.92	1	"	"	"	"	X
7440-39-3	Barium	117		mg/kg dry	1.28	1	"	"	"	"	X
7440-43-9	Cadmium	BRL		mg/kg dry	0.641	1	"	"	"	"	X
7440-47-3	Chromium	11.7		mg/kg dry	1.28	1	"	"	"	"	X
7439-97-6	Mercury	0.171		mg/kg dry	0.0380	1	SW846 7471A	"	27-Jan-09	9011605	X
7439-92-1	Lead	33.6		mg/kg dry	1.92	1	SW846 6010B	"	27-Jan-09	9011604	X
7782-49-2	Selenium	2.34		mg/kg dry	1.92	1	"	"	"	"	X
General Chemistry Parameters											
	% Solids	76.2		%		1	SM2540 G Mod.	26-Jan-09	26-Jan-09	9011632	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-D3 SA90232-02	127-17797-08011	Soil	22-Jan-09 08:20	23-Jan-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	26-Jan-09	26-Jan-09	9011618	
Volatile Organic Compounds					Initial weight: 5.44 g						
Prepared by method SW846 5035A Soil (low level)											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	5.1	1	SW846 8260B	27-Jan-09	28-Jan-09	9011706	X
67-64-1	Acetone	BRL		µg/kg dry	50.6	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	5.1	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	5.1	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	5.1	1	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	5.1	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	5.1	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	5.1	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	10.1	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	50.6	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	5.1	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	5.1	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	5.1	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	25.3	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	5.1	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	5.1	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	10.1	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	5.1	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	10.1	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	5.1	1	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	5.1	1	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	10.1	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	5.1	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	5.1	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	5.1	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	5.1	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	5.1	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	5.1	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	234	E, V11	µg/kg dry	10.1	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	5.1	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	5.1	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	5.1	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	5.1	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	5.1	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	5.1	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	5.1	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	5.1	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	5.1	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	5.1	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	5.1	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	5.1	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	5.1	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	50.6	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	5.1	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	5.1	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	5.1	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	50.6	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	50.6	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	5.1	1	"	"	"	"	X

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-D3 SA90232-02	127-17797-08011	Soil	22-Jan-09 08:20	23-Jan-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: 5.44 g						
103-65-1	n-Propylbenzene	BRL		µg/kg dry	5.1	1	SW846 8260B	27-Jan-09	28-Jan-09	9011706	X
100-42-5	Styrene	BRL		µg/kg dry	5.1	1	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	5.1	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	5.1	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	5.1	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	5.1	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	5.1	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	5.1	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	5.1	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	5.1	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	5.1	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	5.1	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	5.1	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	5.1	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	5.1	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	5.1	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	5.1	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	10.1	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	5.1	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	50.6	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	5.1	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	5.1	1	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	5.1	1	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	5.1	1	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	50.6	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	101	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	25.3	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	2030	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*86*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*94*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*124*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*106*		*70-130 %*			"	"	"	"	
Re-analysis of Volatile Organic Compounds											
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	104	50	SW846 8260B	28-Jan-09	28-Jan-09	9011813	X
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*102*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*104*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*99*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*97*		*70-130 %*			"	"	"	"	
Semivolatile Organic Compounds by GCMS											
	SPLP Extraction	Completed	O09	N/A		1	SW846 1312	18-Feb-09	18-Feb-09	9021290	
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
83-32-9	Acenaphthene	BRL		µg/kg dry	4320	5	SW846 8270C	28-Jan-09	29-Jan-09	9011799	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	4320	5	"	"	"	"	X
62-53-3	Aniline	BRL		µg/kg dry	4320	5	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	4320	5	"	"	"	"	X
1912-24-9	Atrazine	BRL		µg/kg dry	4320	5	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/kg dry	4320	5	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-D3 SA90232-02	127-17797-08011	Soil	22-Jan-09 08:20	23-Jan-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 3550B											
92-87-5	Benzidine	BRL		µg/kg dry	4320	5	SW846 8270C	28-Jan-09	29-Jan-09	9011799	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	4320	5	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	4320	5	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	4320	5	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	4320	5	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	4320	5	"	"	"	"	X
65-85-0	Benzoic acid	BRL		µg/kg dry	4320	5	"	"	"	"	X
100-51-6	Benzyl alcohol	BRL		µg/kg dry	4320	5	"	"	"	"	X
111-91-1	Bis(2-chloroethoxy)methane	BRL		µg/kg dry	4320	5	"	"	"	"	X
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/kg dry	4320	5	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	4320	5	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	4320	5	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/kg dry	4320	5	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	BRL		µg/kg dry	4320	5	"	"	"	"	X
86-74-8	Carbazole	BRL		µg/kg dry	4320	5	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	BRL		µg/kg dry	4320	5	"	"	"	"	X
106-47-8	4-Chloroaniline	BRL		µg/kg dry	4320	5	"	"	"	"	X
91-58-7	2-Chloronaphthalene	BRL		µg/kg dry	4320	5	"	"	"	"	X
95-57-8	2-Chlorophenol	BRL		µg/kg dry	4320	5	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/kg dry	4320	5	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	4320	5	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	4320	5	"	"	"	"	X
132-64-9	Dibenzofuran	BRL		µg/kg dry	4320	5	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	4320	5	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	4320	5	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	4320	5	"	"	"	"	X
91-94-1	3,3'-Dichlorobenzidine	BRL		µg/kg dry	4320	5	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	BRL		µg/kg dry	4320	5	"	"	"	"	X
84-66-2	Diethyl phthalate	BRL		µg/kg dry	4320	5	"	"	"	"	X
131-11-3	Dimethyl phthalate	BRL		µg/kg dry	4320	5	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	BRL		µg/kg dry	4320	5	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	BRL		µg/kg dry	4320	5	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	4320	5	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	BRL		µg/kg dry	4320	5	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	BRL		µg/kg dry	4320	5	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	BRL		µg/kg dry	4320	5	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	BRL		µg/kg dry	4320	5	"	"	"	"	X
206-44-0	Fluoranthene	6,840		µg/kg dry	4320	5	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	4320	5	"	"	"	"	X
118-74-1	Hexachlorobenzene	BRL		µg/kg dry	4320	5	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	4320	5	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	BRL		µg/kg dry	4320	5	"	"	"	"	X
67-72-1	Hexachloroethane	BRL		µg/kg dry	4320	5	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	4320	5	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	4320	5	"	"	"	"	
78-59-1	Isophorone	BRL		µg/kg dry	4320	5	"	"	"	"	X
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	4320	5	"	"	"	"	X
95-48-7	2-Methylphenol	BRL		µg/kg dry	4320	5	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	BRL		µg/kg dry	4320	5	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	4320	5	"	"	"	"	X

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-D3 SA90232-02	127-17797-08011	Soil	22-Jan-09 08:20	23-Jan-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 3550B											
88-74-4	2-Nitroaniline	BRL		µg/kg dry	4320	5	SW846 8270C	28-Jan-09	29-Jan-09	9011799	X
99-09-2	3-Nitroaniline	BRL		µg/kg dry	4320	5	"	"	"	"	X
100-01-6	4-Nitroaniline	BRL		µg/kg dry	17300	5	"	"	"	"	X
98-95-3	Nitrobenzene	BRL		µg/kg dry	4320	5	"	"	"	"	X
88-75-5	2-Nitrophenol	BRL		µg/kg dry	4320	5	"	"	"	"	X
100-02-7	4-Nitrophenol	BRL		µg/kg dry	17300	5	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	BRL		µg/kg dry	4320	5	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/kg dry	4320	5	"	"	"	"	X
86-30-6	N-Nitrosodiphenylamine	BRL		µg/kg dry	4320	5	"	"	"	"	X
87-86-5	Pentachlorophenol	BRL		µg/kg dry	4320	5	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	4320	5	"	"	"	"	X
108-95-2	Phenol	BRL		µg/kg dry	4320	5	"	"	"	"	X
129-00-0	Pyrene	5,410		µg/kg dry	4320	5	"	"	"	"	X
110-86-1	Pyridine	BRL		µg/kg dry	4320	5	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	4320	5	"	"	"	"	X
95-95-4	2,4,5-Trichlorophenol	BRL		µg/kg dry	4320	5	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	BRL		µg/kg dry	4320	5	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	BRL		µg/kg dry	4320	5	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	4320	5	"	"	"	"	X
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*81*		*30-130 %*			"	"	"	"	
367-12-4	*2-Fluorophenol*	*80*		*15-110 %*			"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*64*		*30-130 %*			"	"	"	"	
4165-62-2	*Phenol-d5*	*93*		*15-110 %*			"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*68*		*30-130 %*			"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*63*		*15-110 %*			"	"	"	"	
Semivolatile Organic Compounds by GC											
Polychlorinated Biphenyls by SW846 8082											
Prepared by method SW846 3550B											
12674-11-2	PCB 1016	832		µg/kg dry	20.1	1	SW846 8082	27-Jan-09	29-Jan-09	9011747	X
11104-28-2	PCB 1221	BRL		µg/kg dry	20.1	1	"	"	"	"	X
11141-16-5	PCB 1232	BRL		µg/kg dry	20.1	1	"	"	"	"	X
53469-21-9	PCB 1242	BRL		µg/kg dry	20.1	1	"	"	"	"	X
12672-29-6	PCB 1248	BRL		µg/kg dry	20.1	1	"	"	"	"	X
11097-69-1	PCB 1254	BRL		µg/kg dry	20.1	1	"	"	"	"	X
11096-82-5	PCB 1260	155		µg/kg dry	20.1	1	"	"	"	"	X
37324-23-5	PCB 1262	BRL		µg/kg dry	20.1	1	"	"	"	"	X
11100-14-4	PCB 1268	BRL		µg/kg dry	20.1	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*113*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*81*		*30-150 %*			"	"	"	"	
SPLP Polychlorinated Biphenyls by SW846 1312/8082											
Prepared by method SW846 3535											
12674-11-2	Aroclor-1016	BRL		µg/l	0.0204	1	SW846 1312/8082	19-Feb-09	20-Feb-09	9021337	X
11104-28-2	Aroclor-1221	BRL		µg/l	0.0204	1	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/l	0.0204	1	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/l	0.0204	1	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/l	0.0204	1	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/l	0.0204	1	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/l	0.0204	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-D3 SA90232-02	127-17797-08011	Soil	22-Jan-09 08:20	23-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GC											
SPLP Polychlorinated Biphenyls by SW846 1312/8082											
Prepared by method SW846 3535											
37324-23-5	Aroclor-1262	BRL		µg/l	0.0204	1	SW846 1312/8082	19-Feb-09	20-Feb-09	9021337	X
11100-14-4	Aroclor-1268	BRL		µg/l	0.0204	1	"	"	"	"	X
Surrogate recoveries:											
2051-24-3	*Decachlorobiphenyl (Sr)*	*39*		*30-150 %*			"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*62*		*30-150 %*			"	"	"	"	
Chlorinated Herbicides by SW846 8151A											
Prepared by method SW846 3550B											
93-76-5	2,4,5-T	BRL		µg/kg dry	6.70	1	SW846 8151A	28-Jan-09	30-Jan-09	9011807	X
93-72-1	2,4,5-TP (Silvex)	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-75-7	2,4-D	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-82-6	2,4-DB	BRL		µg/kg dry	6.70	1	"	"	"	"	X
75-99-0	Dalapon	BRL		µg/kg dry	6.70	1	"	"	"	"	X
1918-00-9	Dicamba	BRL		µg/kg dry	6.70	1	"	"	"	"	X
120-36-5	Dichlorprop	BRL		µg/kg dry	6.70	1	"	"	"	"	X
88-85-7	Dinoseb	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-74-6	MCPA	BRL		µg/kg dry	670	1	"	"	"	"	X
94-81-5	MCPB	BRL		µg/kg dry	670	1	"	"	"	"	
93-65-2	MCPP	BRL		µg/kg dry	670	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*91*		*30-150 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3550B											
8006-61-9	Gasoline	BRL		mg/kg dry	174	5	+CT ETPH	28-Jan-09	29-Jan-09	9011797	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	174	5	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	174	5	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	174	5	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	174	5	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	174	5	"	"	"	"	
	Unidentified	1,100		mg/kg dry	174	5	"	"	"	"	
	Other Oil	Calculated as		mg/kg dry	174	5	"	"	"	"	
	Total Petroleum Hydrocarbons	1,100		mg/kg dry	174	5	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	1,100		mg/kg dry	174	5	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*155*	S02	*50-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	BRL		mg/kg dry	1.50	1	SW846 6010B	26-Jan-09	27-Jan-09	9011604	X
7440-38-2	Arsenic	5.05		mg/kg dry	1.50	1	"	"	"	"	X
7440-39-3	Barium	80.5		mg/kg dry	1.00	1	"	"	"	"	X
7440-43-9	Cadmium	1.00		mg/kg dry	0.500	1	"	"	"	"	X
7440-47-3	Chromium	19.1		mg/kg dry	1.00	1	"	"	"	"	X
7439-97-6	Mercury	0.100		mg/kg dry	0.0294	1	SW846 7471A	"	27-Jan-09	9011605	X
7439-92-1	Lead	242		mg/kg dry	1.50	1	SW846 6010B	"	27-Jan-09	9011604	X
7782-49-2	Selenium	2.39		mg/kg dry	1.50	1	"	"	"	"	X
TCLP Metals by EPA 1311 & 6000/7000 Series Methods											
	TCLP Extraction	Completed		N/A		1	SW846 1311	05-Feb-09	05-Feb-09	9020460	X
7439-92-1	Lead	0.350		mg/l	0.0150	1	SW846 1311/6010B	06-Feb-09	07-Feb-09	9020466	X
General Chemistry Parameters											
	% Solids	95.3		%		1	SM2540 G Mod.	26-Jan-09	26-Jan-09	9011632	

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-D13 SA90232-03	127-17797-08011	Soil	22-Jan-09 09:45	23-Jan-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	26-Jan-09	26-Jan-09	9011618	
Volatile Organic Compounds											
Prepared by method SW846 5035A Soil (low level)					Initial weight: 5.58 g						
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	5.9	1	SW846 8260B	27-Jan-09	28-Jan-09	9011706	X
67-64-1	Acetone	BRL		µg/kg dry	59.1	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	5.9	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	5.9	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	5.9	1	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	5.9	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	5.9	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	5.9	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	11.8	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	59.1	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	5.9	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	5.9	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	5.9	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	29.6	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	5.9	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	5.9	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	11.8	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	5.9	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	11.8	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	5.9	1	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	5.9	1	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	11.8	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	5.9	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	5.9	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	5.9	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	5.9	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	5.9	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	5.9	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	11.8	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	5.9	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	5.9	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	5.9	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	5.9	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	5.9	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	5.9	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	5.9	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	5.9	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	5.9	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	5.9	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	5.9	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	5.9	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	5.9	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	59.1	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	5.9	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	5.9	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	5.9	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	59.1	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	59.1	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	5.9	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-D13 SA90232-03	127-17797-08011	Soil	22-Jan-09 09:45	23-Jan-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: 5.58 g						
103-65-1	n-Propylbenzene	BRL		µg/kg dry	5.9	1	SW846 8260B	27-Jan-09	28-Jan-09	9011706	X
100-42-5	Styrene	BRL		µg/kg dry	5.9	1	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	5.9	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	5.9	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	5.9	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	5.9	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	5.9	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	5.9	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	5.9	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	5.9	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	5.9	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	5.9	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	5.9	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	5.9	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	5.9	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	5.9	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	5.9	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	11.8	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	5.9	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	59.1	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	5.9	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	5.9	1	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	5.9	1	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	5.9	1	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	59.1	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	118	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	29.6	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	2360	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*86*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*92*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*125*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*103*		*70-130 %*			"	"	"	"	
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
83-32-9	Acenaphthene	BRL		µg/kg dry	378	1	SW846 8270C	28-Jan-09	30-Jan-09	9011799	X
208-96-8	Acenaphthylene	951		µg/kg dry	378	1	"	"	"	"	X
62-53-3	Aniline	BRL		µg/kg dry	378	1	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	378	1	"	"	"	"	X
1912-24-9	Atrazine	BRL		µg/kg dry	378	1	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/kg dry	378	1	"	"	"	"	
92-87-5	Benzidine	BRL		µg/kg dry	378	1	"	"	"	"	X
56-55-3	Benzo (a) anthracene	3,060		µg/kg dry	378	1	"	"	"	"	X
50-32-8	Benzo (a) pyrene	3,740		µg/kg dry	378	1	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	5,180		µg/kg dry	378	1	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	913		µg/kg dry	378	1	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	3,510		µg/kg dry	378	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

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-D13 SA90232-03	127-17797-08011	Soil	22-Jan-09 09:45	23-Jan-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 3550B											
111-91-1	Bis(2-chloroethoxy)methane	BRL		µg/kg dry	378	1	SW846 8270C	28-Jan-09	30-Jan-09	9011799	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	2,580		µg/kg dry	378	1	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	383		µg/kg dry	378	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	3,930		µg/kg dry	378	1	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	378	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	1,210		µg/kg dry	378	1	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	378	1	"	"	"	"	
78-59-1	Isophorone	BRL		µg/kg dry	378	1	"	"	"	"	X
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	378	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
91-20-3	Naphthalene	BRL		µg/kg dry	378	1	"	"	"	"	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

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-D13 SA90232-03	127-17797-08011	Soil	22-Jan-09 09:45	23-Jan-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 3550B											
86-30-6	N-Nitrosodiphenylamine	BRL		µg/kg dry	378	1	SW846 8270C	28-Jan-09	30-Jan-09	9011799	X
87-86-5	Pentachlorophenol	BRL		µg/kg dry	378	1	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	378	1	"	"	"	"	X
108-95-2	Phenol	BRL		µg/kg dry	378	1	"	"	"	"	X
129-00-0	Pyrene	5,500		µg/kg dry	378	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*	*77*		*30-130 %*			"	"	"	"	
367-12-4	*2-Fluorophenol*	*70*		*15-110 %*			"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*72*		*30-130 %*			"	"	"	"	
4165-62-2	*Phenol-d5*	*75*		*15-110 %*			"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*65*		*30-130 %*			"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*67*		*15-110 %*			"	"	"	"	
Semivolatile Organic Compounds by GC											
Polychlorinated Biphenyls by SW846 8082											
Prepared by method SW846 3550B											
12674-11-2	PCB 1016	BRL		µg/kg dry	21.7	1	SW846 8082	27-Jan-09	29-Jan-09	9011747	X
11104-28-2	PCB 1221	BRL		µg/kg dry	21.7	1	"	"	"	"	X
11141-16-5	PCB 1232	BRL		µg/kg dry	21.7	1	"	"	"	"	X
53469-21-9	PCB 1242	BRL		µg/kg dry	21.7	1	"	"	"	"	X
12672-29-6	PCB 1248	BRL		µg/kg dry	21.7	1	"	"	"	"	X
11097-69-1	PCB 1254	BRL		µg/kg dry	21.7	1	"	"	"	"	X
11096-82-5	PCB 1260	BRL		µg/kg dry	21.7	1	"	"	"	"	X
37324-23-5	PCB 1262	BRL		µg/kg dry	21.7	1	"	"	"	"	X
11100-14-4	PCB 1268	BRL		µg/kg dry	21.7	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*114*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*103*		*30-150 %*			"	"	"	"	
Chlorinated Herbicides by SW846 8151A											
Prepared by method SW846 3550B											
93-76-5	2,4,5-T	BRL		µg/kg dry	6.70	1	SW846 8151A	28-Jan-09	30-Jan-09	9011807	X
93-72-1	2,4,5-TP (Silvex)	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-75-7	2,4-D	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-82-6	2,4-DB	BRL		µg/kg dry	6.70	1	"	"	"	"	X
75-99-0	Dalapon	BRL		µg/kg dry	6.70	1	"	"	"	"	X
1918-00-9	Dicamba	BRL		µg/kg dry	6.70	1	"	"	"	"	X
120-36-5	Dichlorprop	BRL		µg/kg dry	6.70	1	"	"	"	"	X
88-85-7	Dinoseb	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-74-6	MCPA	BRL		µg/kg dry	670	1	"	"	"	"	X
94-81-5	MCPB	BRL		µg/kg dry	670	1	"	"	"	"	
93-65-2	MCPP	BRL		µg/kg dry	670	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*61*		*30-150 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-D13	127-17797-08011	Soil	22-Jan-09 09:45	23-Jan-09
SA90232-03				

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 3550B											
8006-61-9	Gasoline	BRL		mg/kg dry	15.2	1	+CT ETPH	28-Jan-09	29-Jan-09	9011797	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	15.2	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	15.2	1	"	"	"	"	
68553-00-4	Fuel Oil #6	Calculated as		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	239		mg/kg dry	15.2	1	"	"	"	"	
	Other Oil	Calculated as		mg/kg dry	15.2	1	"	"	"	"	
	Total Petroleum Hydrocarbons	239		mg/kg dry	15.2	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	239		mg/kg dry	15.2	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*101*		*50-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	BRL		mg/kg dry	1.64	1	SW846 6010B	26-Jan-09	27-Jan-09	9011604	X
7440-38-2	Arsenic	12.0		mg/kg dry	1.64	1	"	"	"	"	X
7440-39-3	Barium	220		mg/kg dry	1.10	1	"	"	"	"	X
7440-43-9	Cadmium	0.849		mg/kg dry	0.548	1	"	"	"	"	X
7440-47-3	Chromium	20.4		mg/kg dry	1.10	1	"	"	"	"	X
7439-97-6	Mercury	0.161		mg/kg dry	0.0338	1	SW846 7471A	"	27-Jan-09	9011605	X
7439-92-1	Lead	135		mg/kg dry	1.64	1	SW846 6010B	"	27-Jan-09	9011604	X
7782-49-2	Selenium	3.11		mg/kg dry	1.64	1	"	"	"	"	X
TCLP Metals by EPA 1311 & 6000/7000 Series Methods											
	TCLP Extraction	Completed		N/A		1	SW846 1311	05-Feb-09	05-Feb-09	9020460	X
7439-92-1	Lead	0.0809		mg/l	0.0150	1	SW846 1311/6010B	06-Feb-09	07-Feb-09	9020466	X
SPLP Metals by EPA 1312 & 6000/7000 Series Methods											
	SPLP Extraction	Completed		N/A		1	SW846 1312	05-Feb-09	05-Feb-09	9020429	
7440-38-2	Arsenic	0.0140		mg/l	0.0080	1	SW846 1312/6010B	06-Feb-09	07-Feb-09	9020464	
7440-39-3	Barium	0.0257		mg/l	0.0100	1	"	"	"	"	
7440-47-3	Chromium	BRL		mg/l	0.0100	1	"	"	"	"	
7439-92-1	Lead	BRL		mg/l	0.0150	1	"	"	"	"	
General Chemistry Parameters											
	% Solids	86.9		%		1	SM2540 G Mod.	26-Jan-09	26-Jan-09	9011632	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-D14 SA90232-04	127-17797-08011	Soil	22-Jan-09 12:15	23-Jan-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	26-Jan-09	26-Jan-09	9011618	
Volatile Organic Compounds						Initial weight: 5.66 g					
Prepared by method SW846 5035A Soil (low level)											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	5.5	1	SW846 8260B	27-Jan-09	28-Jan-09	9011706	X
67-64-1	Acetone	BRL		µg/kg dry	55.2	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	55.2	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	27.6	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	55.2	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	55.2	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	55.2	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	5.5	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-D14 SA90232-04	127-17797-08011	Soil	22-Jan-09 12:15	23-Jan-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: 5.66 g						
103-65-1	n-Propylbenzene	BRL		µg/kg dry	5.5	1	SW846 8260B	27-Jan-09	28-Jan-09	9011706	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	55.2	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	55.2	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	27.6	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	2210	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*84*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*93*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*122*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*103*		*70-130 %*			"	"	"	"	
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
83-32-9	Acenaphthene	BRL		µg/kg dry	364	1	SW846 8270C	28-Jan-09	30-Jan-09	9011799	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	364	1	"	"	"	"	X
62-53-3	Aniline	BRL		µg/kg dry	364	1	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	364	1	"	"	"	"	X
1912-24-9	Atrazine	BRL		µg/kg dry	364	1	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/kg dry	364	1	"	"	"	"	
92-87-5	Benzidine	BRL		µg/kg dry	364	1	"	"	"	"	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	364	1	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	364	1	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	364	1	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	364	1	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	364	1	"	"	"	"	X
65-85-0	Benzoic acid	BRL		µg/kg dry	364	1	"	"	"	"	X
100-51-6	Benzyl alcohol	BRL		µg/kg dry	364	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-D14 SA90232-04	127-17797-08011	Soil	22-Jan-09 12:15	23-Jan-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 3550B											
111-91-1	Bis(2-chloroethoxy)methane	BRL		µg/kg dry	364	1	SW846 8270C	28-Jan-09	30-Jan-09	9011799	X
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/kg dry	364	1	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	364	1	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	364	1	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/kg dry	364	1	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	BRL		µg/kg dry	364	1	"	"	"	"	X
86-74-8	Carbazole	BRL		µg/kg dry	364	1	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	BRL		µg/kg dry	364	1	"	"	"	"	X
106-47-8	4-Chloroaniline	BRL		µg/kg dry	364	1	"	"	"	"	X
91-58-7	2-Chloronaphthalene	BRL		µg/kg dry	364	1	"	"	"	"	X
95-57-8	2-Chlorophenol	BRL		µg/kg dry	364	1	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/kg dry	364	1	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	364	1	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	364	1	"	"	"	"	X
132-64-9	Dibenzofuran	BRL		µg/kg dry	364	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	364	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	364	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	364	1	"	"	"	"	X
91-94-1	3,3'-Dichlorobenzidine	BRL		µg/kg dry	364	1	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	BRL		µg/kg dry	364	1	"	"	"	"	X
84-66-2	Diethyl phthalate	BRL		µg/kg dry	364	1	"	"	"	"	X
131-11-3	Dimethyl phthalate	BRL		µg/kg dry	364	1	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	BRL		µg/kg dry	364	1	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	BRL		µg/kg dry	364	1	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	364	1	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	BRL		µg/kg dry	364	1	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	BRL		µg/kg dry	364	1	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	BRL		µg/kg dry	364	1	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	BRL		µg/kg dry	364	1	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	364	1	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	364	1	"	"	"	"	X
118-74-1	Hexachlorobenzene	BRL		µg/kg dry	364	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	364	1	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	BRL		µg/kg dry	364	1	"	"	"	"	X
67-72-1	Hexachloroethane	BRL		µg/kg dry	364	1	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	364	1	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	364	1	"	"	"	"	
78-59-1	Isophorone	BRL		µg/kg dry	364	1	"	"	"	"	X
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	364	1	"	"	"	"	X
95-48-7	2-Methylphenol	BRL		µg/kg dry	364	1	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	BRL		µg/kg dry	364	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	364	1	"	"	"	"	X
88-74-4	2-Nitroaniline	BRL		µg/kg dry	364	1	"	"	"	"	X
99-09-2	3-Nitroaniline	BRL		µg/kg dry	364	1	"	"	"	"	X
100-01-6	4-Nitroaniline	BRL		µg/kg dry	1460	1	"	"	"	"	X
98-95-3	Nitrobenzene	BRL		µg/kg dry	364	1	"	"	"	"	X
88-75-5	2-Nitrophenol	BRL		µg/kg dry	364	1	"	"	"	"	X
100-02-7	4-Nitrophenol	BRL		µg/kg dry	1460	1	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	BRL		µg/kg dry	364	1	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/kg dry	364	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-D14 SA90232-04	127-17797-08011	Soil	22-Jan-09 12:15	23-Jan-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 3550B											
86-30-6	N-Nitrosodiphenylamine	BRL		µg/kg dry	364	1	SW846 8270C	28-Jan-09	30-Jan-09	9011799	X
87-86-5	Pentachlorophenol	BRL		µg/kg dry	364	1	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	364	1	"	"	"	"	X
108-95-2	Phenol	BRL		µg/kg dry	364	1	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	364	1	"	"	"	"	X
110-86-1	Pyridine	BRL		µg/kg dry	364	1	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	364	1	"	"	"	"	X
95-95-4	2,4,5-Trichlorophenol	BRL		µg/kg dry	364	1	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	BRL		µg/kg dry	364	1	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	BRL		µg/kg dry	364	1	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	364	1	"	"	"	"	X
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*76*		*30-130 %*			"	"	"	"	
367-12-4	*2-Fluorophenol*	*69*		*15-110 %*			"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*73*		*30-130 %*			"	"	"	"	
4165-62-2	*Phenol-d5*	*59*		*15-110 %*			"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*64*		*30-130 %*			"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*68*		*15-110 %*			"	"	"	"	
Semivolatile Organic Compounds by GC											
Polychlorinated Biphenyls by SW846 8082											
Prepared by method SW846 3550B											
12674-11-2	PCB 1016	BRL		µg/kg dry	21.8	1	SW846 8082	27-Jan-09	29-Jan-09	9011747	X
11104-28-2	PCB 1221	BRL		µg/kg dry	21.8	1	"	"	"	"	X
11141-16-5	PCB 1232	BRL		µg/kg dry	21.8	1	"	"	"	"	X
53469-21-9	PCB 1242	BRL		µg/kg dry	21.8	1	"	"	"	"	X
12672-29-6	PCB 1248	BRL		µg/kg dry	21.8	1	"	"	"	"	X
11097-69-1	PCB 1254	BRL		µg/kg dry	21.8	1	"	"	"	"	X
11096-82-5	PCB 1260	BRL		µg/kg dry	21.8	1	"	"	"	"	X
37324-23-5	PCB 1262	BRL		µg/kg dry	21.8	1	"	"	"	"	X
11100-14-4	PCB 1268	BRL		µg/kg dry	21.8	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*120*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*85*		*30-150 %*			"	"	"	"	
Chlorinated Herbicides by SW846 8151A											
Prepared by method SW846 3550B											
93-76-5	2,4,5-T	BRL		µg/kg dry	6.70	1	SW846 8151A	28-Jan-09	30-Jan-09	9011807	X
93-72-1	2,4,5-TP (Silvex)	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-75-7	2,4-D	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-82-6	2,4-DB	BRL		µg/kg dry	6.70	1	"	"	"	"	X
75-99-0	Dalapon	BRL		µg/kg dry	6.70	1	"	"	"	"	X
1918-00-9	Dicamba	BRL		µg/kg dry	6.70	1	"	"	"	"	X
120-36-5	Dichlorprop	BRL		µg/kg dry	6.70	1	"	"	"	"	X
88-85-7	Dinoseb	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-74-6	MCPA	BRL		µg/kg dry	670	1	"	"	"	"	X
94-81-5	MCPB	BRL		µg/kg dry	670	1	"	"	"	"	
93-65-2	MCPP	BRL		µg/kg dry	670	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*54*		*30-150 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-D14 SA90232-04	127-17797-08011	Soil	22-Jan-09 12:15	23-Jan-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 3550B											
8006-61-9	Gasoline	BRL		mg/kg dry	14.7	1	+CT ETPH	28-Jan-09	29-Jan-09	9011797	
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	BRL		mg/kg dry	14.7	1	"	"	"	"	
	Other Oil	BRL		mg/kg dry	14.7	1	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL		mg/kg dry	14.7	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	14.7	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*99*		*50-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	BRL		mg/kg dry	1.53	1	SW846 6010B	26-Jan-09	27-Jan-09	9011604	X
7440-38-2	Arsenic	11.2		mg/kg dry	1.53	1	"	"	"	"	X
7440-39-3	Barium	83.0		mg/kg dry	1.02	1	"	"	"	"	X
7440-43-9	Cadmium	0.733		mg/kg dry	0.509	1	"	"	"	"	X
7440-47-3	Chromium	14.5		mg/kg dry	1.02	1	"	"	"	"	X
7439-97-6	Mercury	BRL		mg/kg dry	0.0293	1	SW846 7471A	"	27-Jan-09	9011605	X
7439-92-1	Lead	43.9		mg/kg dry	1.53	1	SW846 6010B	"	27-Jan-09	9011604	X
7782-49-2	Selenium	2.09		mg/kg dry	1.53	1	"	"	"	"	X
SPLP Metals by EPA 1312 & 6000/7000 Series Methods											
	SPLP Extraction	Completed		N/A		1	SW846 1312	05-Feb-09	05-Feb-09	9020429	
7440-38-2	Arsenic	BRL		mg/l	0.0080	1	SW846 1312/6010B	06-Feb-09	07-Feb-09	9020464	
7440-47-3	Chromium	BRL		mg/l	0.0100	1	"	"	"	"	
General Chemistry Parameters											
	% Solids	89.5		%		1	SM2540 G Mod.	26-Jan-09	26-Jan-09	9011633	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-D15 SA90232-05	127-17797-08011	Soil	22-Jan-09 10:30	23-Jan-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	26-Jan-09	26-Jan-09	9011618	
Volatile Organic Compounds			VC10								
Prepared by method SW846 5035A Soil (low level)					Initial weight: 6.31 g						
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	5.3	1	SW846 8260B	27-Jan-09	28-Jan-09	9011706	X
67-64-1	Acetone	BRL		µg/kg dry	53.0	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	5.3	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	5.3	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	5.3	1	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	5.3	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	5.3	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	5.3	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	10.6	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	53.0	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	5.3	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	5.3	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	5.3	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	26.5	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	5.3	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	5.3	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	10.6	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	5.3	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	10.6	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	5.3	1	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	5.3	1	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	10.6	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	5.3	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	5.3	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	5.3	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	5.3	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	5.3	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	5.3	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	10.6	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	5.3	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	5.3	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	5.3	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	5.3	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	5.3	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	5.3	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	5.3	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	5.3	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	5.3	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	5.3	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	5.3	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	5.3	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	5.3	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	53.0	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	5.3	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	5.3	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	5.3	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	53.0	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	53.0	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	5.3	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-D15 SA90232-05	127-17797-08011	Soil	22-Jan-09 10:30	23-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
Volatile Organic Compounds			VC10								
Prepared by method SW846 5035A Soil (low level)					Initial weight: 6.31 g						
103-65-1	n-Propylbenzene	BRL		µg/kg dry	5.3	1	SW846 8260B	27-Jan-09	28-Jan-09	9011706	X
100-42-5	Styrene	BRL		µg/kg dry	5.3	1	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	5.3	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	5.3	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	5.3	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	5.3	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	5.3	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	5.3	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	5.3	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	5.3	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	5.3	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	5.3	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	5.3	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	5.3	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	5.3	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	5.3	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	5.3	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	10.6	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	5.3	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	53.0	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	5.3	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	5.3	1	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	5.3	1	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	5.3	1	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	53.0	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	106	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	26.5	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	2120	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*82*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*92*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*119*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*105*		*70-130 %*			"	"	"	"	
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
83-32-9	Acenaphthene	BRL		µg/kg dry	378	1	SW846 8270C	28-Jan-09	28-Jan-09	9011799	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	378	1	"	"	"	"	X
62-53-3	Aniline	BRL		µg/kg dry	378	1	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	378	1	"	"	"	"	X
1912-24-9	Atrazine	BRL		µg/kg dry	378	1	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/kg dry	378	1	"	"	"	"	
92-87-5	Benzidine	BRL		µg/kg dry	378	1	"	"	"	"	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	378	1	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	378	1	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	378	1	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	378	1	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	378	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

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-D15 SA90232-05	127-17797-08011	Soil	22-Jan-09 10:30	23-Jan-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 3550B											
111-91-1	Bis(2-chloroethoxy)methane	BRL		µg/kg dry	378	1	SW846 8270C	28-Jan-09	28-Jan-09	9011799	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	378	1	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	378	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	378	1	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	378	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	378	1	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	378	1	"	"	"	"	
78-59-1	Isophorone	BRL		µg/kg dry	378	1	"	"	"	"	X
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	378	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
91-20-3	Naphthalene	BRL		µg/kg dry	378	1	"	"	"	"	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

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-D15 SA90232-05	127-17797-08011	Soil	22-Jan-09 10:30	23-Jan-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 3550B											
86-30-6	N-Nitrosodiphenylamine	BRL		µg/kg dry	378	1	SW846 8270C	28-Jan-09	28-Jan-09	9011799	X
87-86-5	Pentachlorophenol	BRL		µg/kg dry	378	1	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	378	1	"	"	"	"	X
108-95-2	Phenol	BRL		µg/kg dry	378	1	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	378	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*	*74*		*30-130 %*			"	"	"	"	
367-12-4	*2-Fluorophenol*	*67*		*15-110 %*			"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*70*		*30-130 %*			"	"	"	"	
4165-62-2	*Phenol-d5*	*60*		*15-110 %*			"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*63*		*30-130 %*			"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*65*		*15-110 %*			"	"	"	"	
Semivolatile Organic Compounds by GC											
Polychlorinated Biphenyls by SW846 8082											
Prepared by method SW846 3550B											
12674-11-2	PCB 1016	BRL		µg/kg dry	22.4	1	SW846 8082	27-Jan-09	29-Jan-09	9011747	X
11104-28-2	PCB 1221	BRL		µg/kg dry	22.4	1	"	"	"	"	X
11141-16-5	PCB 1232	BRL		µg/kg dry	22.4	1	"	"	"	"	X
53469-21-9	PCB 1242	BRL		µg/kg dry	22.4	1	"	"	"	"	X
12672-29-6	PCB 1248	BRL		µg/kg dry	22.4	1	"	"	"	"	X
11097-69-1	PCB 1254	BRL		µg/kg dry	22.4	1	"	"	"	"	X
11096-82-5	PCB 1260	BRL		µg/kg dry	22.4	1	"	"	"	"	X
37324-23-5	PCB 1262	BRL		µg/kg dry	22.4	1	"	"	"	"	X
11100-14-4	PCB 1268	BRL		µg/kg dry	22.4	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*117*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*90*		*30-150 %*			"	"	"	"	
Chlorinated Herbicides by SW846 8151A											
Prepared by method SW846 3550B											
93-76-5	2,4,5-T	BRL		µg/kg dry	6.70	1	SW846 8151A	28-Jan-09	30-Jan-09	9011807	X
93-72-1	2,4,5-TP (Silvex)	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-75-7	2,4-D	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-82-6	2,4-DB	BRL		µg/kg dry	6.70	1	"	"	"	"	X
75-99-0	Dalapon	BRL		µg/kg dry	6.70	1	"	"	"	"	X
1918-00-9	Dicamba	BRL		µg/kg dry	6.70	1	"	"	"	"	X
120-36-5	Dichlorprop	BRL		µg/kg dry	6.70	1	"	"	"	"	X
88-85-7	Dinoseb	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-74-6	MCPA	BRL		µg/kg dry	670	1	"	"	"	"	X
94-81-5	MCPB	BRL		µg/kg dry	670	1	"	"	"	"	
93-65-2	MCPP	BRL		µg/kg dry	670	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*64*		*30-150 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-D15 SA90232-05	127-17797-08011	Soil	22-Jan-09 10:30	23-Jan-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 3550B											
8006-61-9	Gasoline	BRL		mg/kg dry	15.2	1	+CT ETPH	28-Jan-09	29-Jan-09	9011797	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	15.2	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	15.2	1	"	"	"	"	
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*	*95*		*50-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	BRL		mg/kg dry	1.50	1	SW846 6010B	26-Jan-09	27-Jan-09	9011604	X
7440-38-2	Arsenic	1.53		mg/kg dry	1.50	1	"	"	"	"	X
7440-39-3	Barium	35.2		mg/kg dry	1.00	1	"	"	"	"	X
7440-43-9	Cadmium	BRL		mg/kg dry	0.501	1	"	"	"	"	X
7440-47-3	Chromium	6.33		mg/kg dry	1.00	1	"	"	"	"	X
7439-97-6	Mercury	BRL		mg/kg dry	0.0334	1	SW846 7471A	"	27-Jan-09	9011605	X
7439-92-1	Lead	5.37		mg/kg dry	1.50	1	SW846 6010B	"	27-Jan-09	9011604	X
7782-49-2	Selenium	BRL		mg/kg dry	1.50	1	"	"	"	"	X
General Chemistry Parameters											
	% Solids	87.0		%		1	SM2540 G Mod.	26-Jan-09	26-Jan-09	9011633	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-D17 SA90232-06	127-17797-08011	Soil	22-Jan-09 11:00	23-Jan-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	26-Jan-09	26-Jan-09	9011618	
Volatile Organic Compounds			VC10			Initial weight: 6.74 g					
Prepared by method SW846 5035A Soil (low level)											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	4.6	1	SW846 8260B	27-Jan-09	28-Jan-09	9011706	X
67-64-1	Acetone	BRL		µg/kg dry	45.7	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	4.6	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	4.6	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	4.6	1	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	4.6	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	4.6	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	4.6	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	9.1	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	45.7	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	4.6	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	4.6	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	4.6	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	22.9	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	4.6	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	4.6	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	9.1	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	4.6	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	9.1	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	4.6	1	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	4.6	1	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	9.1	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	4.6	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	4.6	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	4.6	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	4.6	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	4.6	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	4.6	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	214	E	µg/kg dry	9.1	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	4.6	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	4.6	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	4.6	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	4.6	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	4.6	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	4.6	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	4.6	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	4.6	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	4.6	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	4.6	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	4.6	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	4.6	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	4.6	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	45.7	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	4.6	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	4.6	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	4.6	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	45.7	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	45.7	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	4.6	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-D17 SA90232-06	127-17797-08011	Soil	22-Jan-09 11:00	23-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
Volatile Organic Compounds			VC10								
Prepared by method SW846 5035A Soil (low level)					Initial weight: 6.74 g						
103-65-1	n-Propylbenzene	BRL		µg/kg dry	4.6	1	SW846 8260B	27-Jan-09	28-Jan-09	9011706	X
100-42-5	Styrene	BRL		µg/kg dry	4.6	1	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	4.6	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	4.6	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	4.6	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	4.6	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	4.6	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	4.6	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	4.6	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	4.6	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	4.6	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	4.6	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	4.6	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	4.6	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	4.6	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	4.6	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	4.6	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	9.1	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	4.6	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	45.7	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	4.6	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	4.6	1	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	4.6	1	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	4.6	1	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	45.7	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	91.4	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	22.9	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	1830	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*82*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*91*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*126*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*105*		*70-130 %*			"	"	"	"	
Re-analysis of Volatile Organic Compounds											
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	114	50	SW846 8260B	28-Jan-09	28-Jan-09	9011813	X
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*102*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*103*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*97*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*93*		*70-130 %*			"	"	"	"	
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
83-32-9	Acenaphthene	BRL		µg/kg dry	361	1	SW846 8270C	28-Jan-09	30-Jan-09	9011799	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	361	1	"	"	"	"	X
62-53-3	Aniline	BRL		µg/kg dry	361	1	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	361	1	"	"	"	"	X
1912-24-9	Atrazine	BRL		µg/kg dry	361	1	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/kg dry	361	1	"	"	"	"	
92-87-5	Benzidine	BRL		µg/kg dry	361	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-D17 SA90232-06	127-17797-08011	Soil	22-Jan-09 11:00	23-Jan-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 3550B											
56-55-3	Benzo (a) anthracene	369		µg/kg dry	361	1	SW846 8270C	28-Jan-09	30-Jan-09	9011799	X
50-32-8	Benzo (a) pyrene	443		µg/kg dry	361	1	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	544		µg/kg dry	361	1	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	361	1	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	568		µg/kg dry	361	1	"	"	"	"	X
65-85-0	Benzoic acid	BRL		µg/kg dry	361	1	"	"	"	"	X
100-51-6	Benzyl alcohol	BRL		µg/kg dry	361	1	"	"	"	"	X
111-91-1	Bis(2-chloroethoxy)methane	BRL		µg/kg dry	361	1	"	"	"	"	X
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/kg dry	361	1	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	361	1	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	361	1	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/kg dry	361	1	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	BRL		µg/kg dry	361	1	"	"	"	"	X
86-74-8	Carbazole	BRL		µg/kg dry	361	1	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	BRL		µg/kg dry	361	1	"	"	"	"	X
106-47-8	4-Chloroaniline	BRL		µg/kg dry	361	1	"	"	"	"	X
91-58-7	2-Chloronaphthalene	BRL		µg/kg dry	361	1	"	"	"	"	X
95-57-8	2-Chlorophenol	BRL		µg/kg dry	361	1	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/kg dry	361	1	"	"	"	"	X
218-01-9	Chrysene	452		µg/kg dry	361	1	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	361	1	"	"	"	"	X
132-64-9	Dibenzofuran	BRL		µg/kg dry	361	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	361	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	361	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	361	1	"	"	"	"	X
91-94-1	3,3'-Dichlorobenzidine	BRL		µg/kg dry	361	1	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	BRL		µg/kg dry	361	1	"	"	"	"	X
84-66-2	Diethyl phthalate	BRL		µg/kg dry	361	1	"	"	"	"	X
131-11-3	Dimethyl phthalate	BRL		µg/kg dry	361	1	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	BRL		µg/kg dry	361	1	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	BRL		µg/kg dry	361	1	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	361	1	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	BRL		µg/kg dry	361	1	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	BRL		µg/kg dry	361	1	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	BRL		µg/kg dry	361	1	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	BRL		µg/kg dry	361	1	"	"	"	"	X
206-44-0	Fluoranthene	816		µg/kg dry	361	1	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	361	1	"	"	"	"	X
118-74-1	Hexachlorobenzene	BRL		µg/kg dry	361	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	361	1	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	BRL		µg/kg dry	361	1	"	"	"	"	X
67-72-1	Hexachloroethane	BRL		µg/kg dry	361	1	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	361	1	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	361	1	"	"	"	"	
78-59-1	Isophorone	BRL		µg/kg dry	361	1	"	"	"	"	X
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	361	1	"	"	"	"	X
95-48-7	2-Methylphenol	BRL		µg/kg dry	361	1	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	BRL		µg/kg dry	361	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	361	1	"	"	"	"	X
88-74-4	2-Nitroaniline	BRL		µg/kg dry	361	1	"	"	"	"	X

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-D17 SA90232-06	127-17797-08011	Soil	22-Jan-09 11:00	23-Jan-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 3550B											
99-09-2	3-Nitroaniline	BRL		µg/kg dry	361	1	SW846 8270C	28-Jan-09	30-Jan-09	9011799	X
100-01-6	4-Nitroaniline	BRL		µg/kg dry	1440	1	"	"	"	"	X
98-95-3	Nitrobenzene	BRL		µg/kg dry	361	1	"	"	"	"	X
88-75-5	2-Nitrophenol	BRL		µg/kg dry	361	1	"	"	"	"	X
100-02-7	4-Nitrophenol	BRL		µg/kg dry	1440	1	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	BRL		µg/kg dry	361	1	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/kg dry	361	1	"	"	"	"	X
86-30-6	N-Nitrosodiphenylamine	BRL		µg/kg dry	361	1	"	"	"	"	X
87-86-5	Pentachlorophenol	BRL		µg/kg dry	361	1	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	361	1	"	"	"	"	X
108-95-2	Phenol	BRL		µg/kg dry	361	1	"	"	"	"	X
129-00-0	Pyrene	622		µg/kg dry	361	1	"	"	"	"	X
110-86-1	Pyridine	BRL		µg/kg dry	361	1	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	361	1	"	"	"	"	X
95-95-4	2,4,5-Trichlorophenol	BRL		µg/kg dry	361	1	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	BRL		µg/kg dry	361	1	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	BRL		µg/kg dry	361	1	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	361	1	"	"	"	"	X
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*76*		*30-130 %*			"	"	"	"	
367-12-4	*2-Fluorophenol*	*69*		*15-110 %*			"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*72*		*30-130 %*			"	"	"	"	
4165-62-2	*Phenol-d5*	*58*		*15-110 %*			"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*63*		*30-130 %*			"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*68*		*15-110 %*			"	"	"	"	
Semivolatile Organic Compounds by GC											
Polychlorinated Biphenyls by SW846 8082											
Prepared by method SW846 3550B											
12674-11-2	PCB 1016	BRL		µg/kg dry	21.1	1	SW846 8082	27-Jan-09	29-Jan-09	9011747	X
11104-28-2	PCB 1221	BRL		µg/kg dry	21.1	1	"	"	"	"	X
11141-16-5	PCB 1232	BRL		µg/kg dry	21.1	1	"	"	"	"	X
53469-21-9	PCB 1242	BRL		µg/kg dry	21.1	1	"	"	"	"	X
12672-29-6	PCB 1248	BRL		µg/kg dry	21.1	1	"	"	"	"	X
11097-69-1	PCB 1254	BRL		µg/kg dry	21.1	1	"	"	"	"	X
11096-82-5	PCB 1260	BRL		µg/kg dry	21.1	1	"	"	"	"	X
37324-23-5	PCB 1262	BRL		µg/kg dry	21.1	1	"	"	"	"	X
11100-14-4	PCB 1268	BRL		µg/kg dry	21.1	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*124*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*85*		*30-150 %*			"	"	"	"	
Chlorinated Herbicides by SW846 8151A											
Prepared by method SW846 3550B											
93-76-5	2,4,5-T	BRL		µg/kg dry	6.70	1	SW846 8151A	28-Jan-09	30-Jan-09	9011807	X
93-72-1	2,4,5-TP (Silvex)	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-75-7	2,4-D	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-82-6	2,4-DB	BRL		µg/kg dry	6.70	1	"	"	"	"	X
75-99-0	Dalapon	BRL		µg/kg dry	6.70	1	"	"	"	"	X
1918-00-9	Dicamba	BRL		µg/kg dry	6.70	1	"	"	"	"	X
120-36-5	Dichlorprop	BRL		µg/kg dry	6.70	1	"	"	"	"	X
88-85-7	Dinoseb	BRL		µg/kg dry	6.70	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-D17 SA90232-06	127-17797-08011	Soil	22-Jan-09 11:00	23-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GC											
Chlorinated Herbicides by SW846 8151A											
Prepared by method SW846 3550B											
94-74-6	MCPA	BRL		µg/kg dry	670	1	SW846 8151A	28-Jan-09	30-Jan-09	9011807	X
94-81-5	MCPB	BRL		µg/kg dry	670	1	"	"	"	"	
93-65-2	MCPP	BRL		µg/kg dry	670	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*54*		*30-150 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3550B											
8006-61-9	Gasoline	BRL		mg/kg dry	14.5	1	+CT ETPH	28-Jan-09	29-Jan-09	9011797	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	14.5	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	14.5	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	14.5	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	14.5	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	14.5	1	"	"	"	"	
	Unidentified	74.1		mg/kg dry	14.5	1	"	"	"	"	
	Other Oil	Calculated as		mg/kg dry	14.5	1	"	"	"	"	
	Total Petroleum Hydrocarbons	74.1		mg/kg dry	14.5	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	74.1		mg/kg dry	14.5	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*95*		*50-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	BRL		mg/kg dry	1.61	1	SW846 6010B	26-Jan-09	27-Jan-09	9011604	X
7440-38-2	Arsenic	24.6		mg/kg dry	1.61	1	"	"	"	"	X
7440-39-3	Barium	43.5		mg/kg dry	1.08	1	"	"	"	"	X
7440-43-9	Cadmium	BRL		mg/kg dry	0.538	1	"	"	"	"	X
7440-47-3	Chromium	8.30		mg/kg dry	1.08	1	"	"	"	"	X
7439-97-6	Mercury	0.130		mg/kg dry	0.0311	1	SW846 7471A	"	27-Jan-09	9011605	X
7439-92-1	Lead	68.9		mg/kg dry	1.61	1	SW846 6010B	"	27-Jan-09	9011604	X
7782-49-2	Selenium	BRL		mg/kg dry	1.61	1	"	"	"	"	X
SPLP Metals by EPA 1312 & 6000/7000 Series Methods											
	SPLP Extraction	Completed		N/A		1	SW846 1312	05-Feb-09	05-Feb-09	9020429	
7440-38-2	Arsenic	0.0103		mg/l	0.0080	1	SW846 1312/6010B	06-Feb-09	07-Feb-09	9020464	
7440-47-3	Chromium	BRL		mg/l	0.0100	1	"	"	"	"	
General Chemistry Parameters											
	% Solids	91.0		%		1	SM2540 G Mod.	26-Jan-09	26-Jan-09	9011633	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-D18 SA90232-07	127-17797-08011	Soil	22-Jan-09 11:50	23-Jan-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	26-Jan-09	26-Jan-09	9011618	
Volatile Organic Compounds											
Prepared by method SW846 5035A Soil (low level)					Initial weight: 6.09 g						
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	4.8	1	SW846 8260B	27-Jan-09	28-Jan-09	9011706	X
67-64-1	Acetone	BRL		µg/kg dry	47.8	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	4.8	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	4.8	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	4.8	1	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	4.8	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	4.8	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	4.8	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	9.6	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	47.8	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	4.8	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	4.8	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	4.8	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	23.9	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	4.8	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	4.8	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	9.6	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	4.8	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	9.6	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	4.8	1	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	4.8	1	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	9.6	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	4.8	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	4.8	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	4.8	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	4.8	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	4.8	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	4.8	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	9.6	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	4.8	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	4.8	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	4.8	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	4.8	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	4.8	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	4.8	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	4.8	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	4.8	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	4.8	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	4.8	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	4.8	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	4.8	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	4.8	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	47.8	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	4.8	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	4.8	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	4.8	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	47.8	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	47.8	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	4.8	1	"	"	"	"	X

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-D18 SA90232-07	127-17797-08011	Soil	22-Jan-09 11:50	23-Jan-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: 6.09 g						
103-65-1	n-Propylbenzene	BRL		µg/kg dry	4.8	1	SW846 8260B	27-Jan-09	28-Jan-09	9011706	X
100-42-5	Styrene	BRL		µg/kg dry	4.8	1	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	4.8	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	4.8	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	4.8	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	4.8	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	4.8	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	4.8	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	4.8	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	4.8	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	4.8	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	4.8	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	4.8	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	4.8	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	4.8	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	4.8	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	4.8	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	9.6	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	4.8	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	47.8	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	4.8	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	4.8	1	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	4.8	1	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	4.8	1	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	47.8	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	95.6	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	23.9	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	1910	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*83*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*93*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*128*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*103*		*70-130 %*			"	"	"	"	
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
83-32-9	Acenaphthene	BRL		µg/kg dry	350	1	SW846 8270C	28-Jan-09	30-Jan-09	9011799	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	350	1	"	"	"	"	X
62-53-3	Aniline	BRL		µg/kg dry	350	1	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	350	1	"	"	"	"	X
1912-24-9	Atrazine	BRL		µg/kg dry	350	1	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/kg dry	350	1	"	"	"	"	
92-87-5	Benzidine	BRL		µg/kg dry	350	1	"	"	"	"	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	350	1	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	350	1	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	350	1	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	350	1	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	407		µg/kg dry	350	1	"	"	"	"	X
65-85-0	Benzoic acid	BRL		µg/kg dry	350	1	"	"	"	"	X
100-51-6	Benzyl alcohol	BRL		µg/kg dry	350	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-D18 SA90232-07	127-17797-08011	Soil	22-Jan-09 11:50	23-Jan-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 3550B											
111-91-1	Bis(2-chloroethoxy)methane	BRL		µg/kg dry	350	1	SW846 8270C	28-Jan-09	30-Jan-09	9011799	X
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/kg dry	350	1	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	350	1	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	350	1	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/kg dry	350	1	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	BRL		µg/kg dry	350	1	"	"	"	"	X
86-74-8	Carbazole	BRL		µg/kg dry	350	1	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	BRL		µg/kg dry	350	1	"	"	"	"	X
106-47-8	4-Chloroaniline	BRL		µg/kg dry	350	1	"	"	"	"	X
91-58-7	2-Chloronaphthalene	BRL		µg/kg dry	350	1	"	"	"	"	X
95-57-8	2-Chlorophenol	BRL		µg/kg dry	350	1	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/kg dry	350	1	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	350	1	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	350	1	"	"	"	"	X
132-64-9	Dibenzofuran	BRL		µg/kg dry	350	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	350	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	350	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	350	1	"	"	"	"	X
91-94-1	3,3'-Dichlorobenzidine	BRL		µg/kg dry	350	1	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	BRL		µg/kg dry	350	1	"	"	"	"	X
84-66-2	Diethyl phthalate	BRL		µg/kg dry	350	1	"	"	"	"	X
131-11-3	Dimethyl phthalate	BRL		µg/kg dry	350	1	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	BRL		µg/kg dry	350	1	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	BRL		µg/kg dry	350	1	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	350	1	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	BRL		µg/kg dry	350	1	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	BRL		µg/kg dry	350	1	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	BRL		µg/kg dry	350	1	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	BRL		µg/kg dry	350	1	"	"	"	"	X
206-44-0	Fluoranthene	578		µg/kg dry	350	1	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	350	1	"	"	"	"	X
118-74-1	Hexachlorobenzene	BRL		µg/kg dry	350	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	350	1	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	BRL		µg/kg dry	350	1	"	"	"	"	X
67-72-1	Hexachloroethane	BRL		µg/kg dry	350	1	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	350	1	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	350	1	"	"	"	"	
78-59-1	Isophorone	BRL		µg/kg dry	350	1	"	"	"	"	X
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	350	1	"	"	"	"	X
95-48-7	2-Methylphenol	BRL		µg/kg dry	350	1	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	BRL		µg/kg dry	350	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	350	1	"	"	"	"	X
88-74-4	2-Nitroaniline	BRL		µg/kg dry	350	1	"	"	"	"	X
99-09-2	3-Nitroaniline	BRL		µg/kg dry	350	1	"	"	"	"	X
100-01-6	4-Nitroaniline	BRL		µg/kg dry	1400	1	"	"	"	"	X
98-95-3	Nitrobenzene	BRL		µg/kg dry	350	1	"	"	"	"	X
88-75-5	2-Nitrophenol	BRL		µg/kg dry	350	1	"	"	"	"	X
100-02-7	4-Nitrophenol	BRL		µg/kg dry	1400	1	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	BRL		µg/kg dry	350	1	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/kg dry	350	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-D18 SA90232-07	127-17797-08011	Soil	22-Jan-09 11:50	23-Jan-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 3550B											
86-30-6	N-Nitrosodiphenylamine	BRL		µg/kg dry	350	1	SW846 8270C	28-Jan-09	30-Jan-09	9011799	X
87-86-5	Pentachlorophenol	BRL		µg/kg dry	350	1	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	350	1	"	"	"	"	X
108-95-2	Phenol	BRL		µg/kg dry	350	1	"	"	"	"	X
129-00-0	Pyrene	444		µg/kg dry	350	1	"	"	"	"	X
110-86-1	Pyridine	BRL		µg/kg dry	350	1	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	350	1	"	"	"	"	X
95-95-4	2,4,5-Trichlorophenol	BRL		µg/kg dry	350	1	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	BRL		µg/kg dry	350	1	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	BRL		µg/kg dry	350	1	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	350	1	"	"	"	"	X
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*72*		*30-130 %*			"	"	"	"	
367-12-4	*2-Fluorophenol*	*63*		*15-110 %*			"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*67*		*30-130 %*			"	"	"	"	
4165-62-2	*Phenol-d5*	*51*		*15-110 %*			"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*60*		*30-130 %*			"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*62*		*15-110 %*			"	"	"	"	
Semivolatile Organic Compounds by GC											
Polychlorinated Biphenyls by SW846 8082											
Prepared by method SW846 3550B											
12674-11-2	PCB 1016	BRL		µg/kg dry	21.0	1	SW846 8082	27-Jan-09	29-Jan-09	9011747	X
11104-28-2	PCB 1221	BRL		µg/kg dry	21.0	1	"	"	"	"	X
11141-16-5	PCB 1232	BRL		µg/kg dry	21.0	1	"	"	"	"	X
53469-21-9	PCB 1242	BRL		µg/kg dry	21.0	1	"	"	"	"	X
12672-29-6	PCB 1248	BRL		µg/kg dry	21.0	1	"	"	"	"	X
11097-69-1	PCB 1254	BRL		µg/kg dry	21.0	1	"	"	"	"	X
11096-82-5	PCB 1260	BRL		µg/kg dry	21.0	1	"	"	"	"	X
37324-23-5	PCB 1262	BRL		µg/kg dry	21.0	1	"	"	"	"	X
11100-14-4	PCB 1268	BRL		µg/kg dry	21.0	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*118*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*79*		*30-150 %*			"	"	"	"	
Chlorinated Herbicides by SW846 8151A											
Prepared by method SW846 3550B											
93-76-5	2,4,5-T	BRL		µg/kg dry	6.70	1	SW846 8151A	28-Jan-09	30-Jan-09	9011807	X
93-72-1	2,4,5-TP (Silvex)	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-75-7	2,4-D	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-82-6	2,4-DB	BRL		µg/kg dry	6.70	1	"	"	"	"	X
75-99-0	Dalapon	BRL		µg/kg dry	6.70	1	"	"	"	"	X
1918-00-9	Dicamba	BRL		µg/kg dry	6.70	1	"	"	"	"	X
120-36-5	Dichlorprop	BRL		µg/kg dry	6.70	1	"	"	"	"	X
88-85-7	Dinoseb	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-74-6	MCPA	BRL		µg/kg dry	670	1	"	"	"	"	X
94-81-5	MCPB	BRL		µg/kg dry	670	1	"	"	"	"	
93-65-2	MCPP	BRL		µg/kg dry	670	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*69*		*30-150 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-D18 SA90232-07	127-17797-08011	Soil	22-Jan-09 11:50	23-Jan-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 3550B											
8006-61-9	Gasoline	BRL		mg/kg dry	14.1	1	+CT ETPH	28-Jan-09	29-Jan-09	9011797	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	14.1	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	14.1	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	14.1	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	14.1	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	14.1	1	"	"	"	"	
	Unidentified	40.0		mg/kg dry	14.1	1	"	"	"	"	
	Other Oil	Calculated as		mg/kg dry	14.1	1	"	"	"	"	
	Total Petroleum Hydrocarbons	40.0		mg/kg dry	14.1	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	40.0		mg/kg dry	14.1	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*86*		*50-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	BRL		mg/kg dry	1.49	1	SW846 6010B	26-Jan-09	27-Jan-09	9011604	X
7440-38-2	Arsenic	3.30		mg/kg dry	1.49	1	"	"	"	"	X
7440-39-3	Barium	26.4		mg/kg dry	0.993	1	"	"	"	"	X
7440-43-9	Cadmium	BRL		mg/kg dry	0.496	1	"	"	"	"	X
7440-47-3	Chromium	7.85		mg/kg dry	0.993	1	"	"	"	"	X
7439-97-6	Mercury	0.0536		mg/kg dry	0.0316	1	SW846 7471A	"	27-Jan-09	9011605	X
7439-92-1	Lead	34.5		mg/kg dry	1.49	1	SW846 6010B	"	27-Jan-09	9011604	X
7782-49-2	Selenium	1.55		mg/kg dry	1.49	1	"	"	"	"	X
General Chemistry Parameters											
	% Solids	93.1		%		1	SM2540 G Mod.	26-Jan-09	26-Jan-09	9011633	

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9011706 - SW846 5035A Soil (low level)										
Blank (9011706-BLK1)										
Prepared & Analyzed: 27-Jan-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg wet	5.0						
Acetone	BRL		µg/kg wet	50.0						
Acrylonitrile	BRL		µg/kg wet	5.0						
Benzene	BRL		µg/kg wet	5.0						
Bromobenzene	BRL		µg/kg wet	5.0						
Bromochloromethane	BRL		µg/kg wet	5.0						
Bromodichloromethane	BRL		µg/kg wet	5.0						
Bromoform	BRL		µg/kg wet	5.0						
Bromomethane	BRL		µg/kg wet	10.0						
2-Butanone (MEK)	BRL		µg/kg wet	50.0						
n-Butylbenzene	BRL		µg/kg wet	5.0						
sec-Butylbenzene	BRL		µg/kg wet	5.0						
tert-Butylbenzene	BRL		µg/kg wet	5.0						
Carbon disulfide	BRL		µg/kg wet	25.0						
Carbon tetrachloride	BRL		µg/kg wet	5.0						
Chlorobenzene	BRL		µg/kg wet	5.0						
Chloroethane	BRL		µg/kg wet	10.0						
Chloroform	BRL		µg/kg wet	5.0						
Chloromethane	BRL		µg/kg wet	10.0						
2-Chlorotoluene	BRL		µg/kg wet	5.0						
4-Chlorotoluene	BRL		µg/kg wet	5.0						
1,2-Dibromo-3-chloropropane	BRL		µg/kg wet	10.0						
Dibromochloromethane	BRL		µg/kg wet	5.0						
1,2-Dibromoethane (EDB)	BRL		µg/kg wet	5.0						
Dibromomethane	BRL		µg/kg wet	5.0						
1,2-Dichlorobenzene	BRL		µg/kg wet	5.0						
1,3-Dichlorobenzene	BRL		µg/kg wet	5.0						
1,4-Dichlorobenzene	BRL		µg/kg wet	5.0						
Dichlorodifluoromethane (Freon12)	BRL		µg/kg wet	10.0						
1,1-Dichloroethane	BRL		µg/kg wet	5.0						
1,2-Dichloroethane	BRL		µg/kg wet	5.0						
1,1-Dichloroethene	BRL		µg/kg wet	5.0						
cis-1,2-Dichloroethene	BRL		µg/kg wet	5.0						
trans-1,2-Dichloroethene	BRL		µg/kg wet	5.0						
1,2-Dichloropropane	BRL		µg/kg wet	5.0						
1,3-Dichloropropane	BRL		µg/kg wet	5.0						
2,2-Dichloropropane	BRL		µg/kg wet	5.0						
1,1-Dichloropropene	BRL		µg/kg wet	5.0						
cis-1,3-Dichloropropene	BRL		µg/kg wet	5.0						
trans-1,3-Dichloropropene	BRL		µg/kg wet	5.0						
Ethylbenzene	BRL		µg/kg wet	5.0						
Hexachlorobutadiene	BRL		µg/kg wet	5.0						
2-Hexanone (MBK)	BRL		µg/kg wet	50.0						
Isopropylbenzene	BRL		µg/kg wet	5.0						
4-Isopropyltoluene	BRL		µg/kg wet	5.0						
Methyl tert-butyl ether	BRL		µg/kg wet	5.0						
4-Methyl-2-pentanone (MIBK)	BRL		µg/kg wet	50.0						
Methylene chloride	BRL		µg/kg wet	50.0						
Naphthalene	BRL		µg/kg wet	5.0						

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9011706 - SW846 5035A Soil (low level)										
Blank (9011706-BLK1)										
Prepared & Analyzed: 27-Jan-09										
n-Propylbenzene	BRL		µg/kg wet	5.0						
Styrene	BRL		µg/kg wet	5.0						
1,1,1,2-Tetrachloroethane	BRL		µg/kg wet	5.0						
1,1,2,2-Tetrachloroethane	BRL		µg/kg wet	5.0						
Tetrachloroethene	BRL		µg/kg wet	5.0						
Toluene	BRL		µg/kg wet	5.0						
1,2,3-Trichlorobenzene	BRL		µg/kg wet	5.0						
1,2,4-Trichlorobenzene	BRL		µg/kg wet	5.0						
1,3,5-Trichlorobenzene	BRL		µg/kg wet	5.0						
1,1,1-Trichloroethane	BRL		µg/kg wet	5.0						
1,1,2-Trichloroethane	BRL		µg/kg wet	5.0						
Trichloroethene	BRL		µg/kg wet	5.0						
Trichlorofluoromethane (Freon 11)	BRL		µg/kg wet	5.0						
1,2,3-Trichloropropane	BRL		µg/kg wet	5.0						
1,2,4-Trimethylbenzene	BRL		µg/kg wet	5.0						
1,3,5-Trimethylbenzene	BRL		µg/kg wet	5.0						
Vinyl chloride	BRL		µg/kg wet	5.0						
m,p-Xylene	BRL		µg/kg wet	10.0						
o-Xylene	BRL		µg/kg wet	5.0						
Tetrahydrofuran	BRL		µg/kg wet	50.0						
Ethyl ether	BRL		µg/kg wet	5.0						
Tert-amyl methyl ether	BRL		µg/kg wet	5.0						
Ethyl tert-butyl ether	BRL		µg/kg wet	5.0						
Di-isopropyl ether	BRL		µg/kg wet	5.0						
Tert-Butanol / butyl alcohol	BRL		µg/kg wet	50.0						
1,4-Dioxane	BRL		µg/kg wet	100						
trans-1,4-Dichloro-2-butene	BRL		µg/kg wet	25.0						
Ethanol	BRL		µg/kg wet	2000						
Surrogate: 4-Bromofluorobenzene	*42.3*		µg/kg wet		*50.0*		*85*	*70-130*		
Surrogate: Toluene-d8	*45.9*		µg/kg wet		*50.0*		*92*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*61.9*		µg/kg wet		*50.0*		*124*	*70-130*		
Surrogate: Dibromofluoromethane	*52.2*		µg/kg wet		*50.0*		*104*	*70-130*		
LCS (9011706-BS1)										
Prepared & Analyzed: 27-Jan-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	24.1		µg/kg wet		20.0		120	70-130		
Acetone	9.2		µg/kg wet		20.0		46	7.9-168		
Acrylonitrile	16.9		µg/kg wet		20.0		84	70-130		
Benzene	22.2		µg/kg wet		20.0		111	70-130		
Bromobenzene	17.1		µg/kg wet		20.0		86	70-130		
Bromochloromethane	16.4		µg/kg wet		20.0		82	70-130		
Bromodichloromethane	21.2		µg/kg wet		20.0		106	70-130		
Bromoform	18.3		µg/kg wet		20.0		92	70-130		
Bromomethane	15.0		µg/kg wet		20.0		75	50-134		
2-Butanone (MEK)	17.0		µg/kg wet		20.0		85	44.6-130		
n-Butylbenzene	23.1		µg/kg wet		20.0		116	70-130		
sec-Butylbenzene	18.4		µg/kg wet		20.0		92	70-130		
tert-Butylbenzene	17.4		µg/kg wet		20.0		87	70-130		
Carbon disulfide	22.4		µg/kg wet		20.0		112	70-130		
Carbon tetrachloride	23.0		µg/kg wet		20.0		115	70-130		
Chlorobenzene	19.8		µg/kg wet		20.0		99	70-130		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9011706 - SW846 5035A Soil (low level)										
LCS (9011706-BS1)										
Prepared & Analyzed: 27-Jan-09										
Chloroethane	15.8		µg/kg wet		20.0		79	59.2-130		
Chloroform	19.8		µg/kg wet		20.0		99	70-130		
Chloromethane	14.5		µg/kg wet		20.0		73	70-130		
2-Chlorotoluene	19.4		µg/kg wet		20.0		97	70-130		
4-Chlorotoluene	18.1		µg/kg wet		20.0		90	70-130		
1,2-Dibromo-3-chloropropane	18.1		µg/kg wet		20.0		91	70-130		
Dibromochloromethane	18.0		µg/kg wet		20.0		90	63.8-130		
1,2-Dibromoethane (EDB)	16.9		µg/kg wet		20.0		84	70-130		
Dibromomethane	18.3		µg/kg wet		20.0		92	70-130		
1,2-Dichlorobenzene	19.9		µg/kg wet		20.0		100	70-130		
1,3-Dichlorobenzene	16.6		µg/kg wet		20.0		83	70-130		
1,4-Dichlorobenzene	20.0		µg/kg wet		20.0		100	70-130		
Dichlorodifluoromethane (Freon12)	17.0		µg/kg wet		20.0		85	41.8-130		
1,1-Dichloroethane	21.7		µg/kg wet		20.0		108	70-130		
1,2-Dichloroethane	19.4		µg/kg wet		20.0		97	70-130		
1,1-Dichloroethene	22.5		µg/kg wet		20.0		112	70-130		
cis-1,2-Dichloroethene	21.0		µg/kg wet		20.0		105	70-130		
trans-1,2-Dichloroethene	22.2		µg/kg wet		20.0		111	70-130		
1,2-Dichloropropane	21.5		µg/kg wet		20.0		107	70-130		
1,3-Dichloropropane	17.9		µg/kg wet		20.0		90	70-130		
2,2-Dichloropropane	21.1		µg/kg wet		20.0		106	70-130		
1,1-Dichloropropene	22.4		µg/kg wet		20.0		112	70-130		
cis-1,3-Dichloropropene	18.4		µg/kg wet		20.0		92	70-130		
trans-1,3-Dichloropropene	18.7		µg/kg wet		20.0		94	70-130		
Ethylbenzene	20.4		µg/kg wet		20.0		102	70-130		
Hexachlorobutadiene	17.6		µg/kg wet		20.0		88	68.3-130		
2-Hexanone (MBK)	14.4		µg/kg wet		20.0		72	70-130		
Isopropylbenzene	19.0		µg/kg wet		20.0		95	70-130		
4-Isopropyltoluene	21.3		µg/kg wet		20.0		106	70-130		
Methyl tert-butyl ether	20.3		µg/kg wet		20.0		102	70-130		
4-Methyl-2-pentanone (MIBK)	15.4		µg/kg wet		20.0		77	53.1-132		
Methylene chloride	17.1		µg/kg wet		20.0		85	70-130		
Naphthalene	14.9		µg/kg wet		20.0		74	70-130		
n-Propylbenzene	19.1		µg/kg wet		20.0		96	70-130		
Styrene	18.5		µg/kg wet		20.0		93	70-130		
1,1,1,2-Tetrachloroethane	20.2		µg/kg wet		20.0		101	70-130		
1,1,2,2-Tetrachloroethane	17.5		µg/kg wet		20.0		87	70-130		
Tetrachloroethene	18.2		µg/kg wet		20.0		91	70-130		
Toluene	17.4		µg/kg wet		20.0		87	70-130		
1,2,3-Trichlorobenzene	15.7		µg/kg wet		20.0		79	70-130		
1,2,4-Trichlorobenzene	15.9		µg/kg wet		20.0		80	70-130		
1,3,5-Trichlorobenzene	17.9		µg/kg wet		20.0		90	70-130		
1,1,1-Trichloroethane	22.2		µg/kg wet		20.0		111	70-130		
1,1,2-Trichloroethane	18.6		µg/kg wet		20.0		93	70-130		
Trichloroethene	20.9		µg/kg wet		20.0		104	70-130		
Trichlorofluoromethane (Freon 11)	21.5		µg/kg wet		20.0		108	68.2-130		
1,2,3-Trichloropropane	18.2		µg/kg wet		20.0		91	70-130		
1,2,4-Trimethylbenzene	18.1		µg/kg wet		20.0		90	70-130		
1,3,5-Trimethylbenzene	18.2		µg/kg wet		20.0		91	70-130		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9011706 - SW846 5035A Soil (low level)										
LCS (9011706-BS1)										
Prepared & Analyzed: 27-Jan-09										
Vinyl chloride	18.4		µg/kg wet		20.0		92	70-130		
m,p-Xylene	39.3		µg/kg wet		40.0		98	70-130		
o-Xylene	19.0		µg/kg wet		20.0		95	70-130		
Tetrahydrofuran	16.2		µg/kg wet		20.0		81	70-130		
Ethyl ether	21.6		µg/kg wet		20.0		108	70-130		
Tert-amyl methyl ether	20.3		µg/kg wet		20.0		102	70-130		
Ethyl tert-butyl ether	20.6		µg/kg wet		20.0		103	70-130		
Di-isopropyl ether	21.2		µg/kg wet		20.0		106	70-130		
Tert-Butanol / butyl alcohol	148		µg/kg wet		200		74	70-130		
1,4-Dioxane	114		µg/kg wet		200		57	48.7-130		
trans-1,4-Dichloro-2-butene	17.5		µg/kg wet		20.0		87	70-130		
Ethanol	292		µg/kg wet		400		73	70-130		
Surrogate: 4-Bromofluorobenzene	*45.8*		µg/kg wet		*50.0*		*92*	*70-130*		
Surrogate: Toluene-d8	*45.2*		µg/kg wet		*50.0*		*90*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*48.8*		µg/kg wet		*50.0*		*98*	*70-130*		
Surrogate: Dibromofluoromethane	*47.2*		µg/kg wet		*50.0*		*94*	*70-130*		
LCS Dup (9011706-BSD1)										
Prepared & Analyzed: 27-Jan-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	25.7		µg/kg wet		20.0		129	70-130	7	25
Acetone	8.4		µg/kg wet		20.0		42	7.9-168	9	50
Acrylonitrile	17.9		µg/kg wet		20.0		89	70-130	6	25
Benzene	22.4		µg/kg wet		20.0		112	70-130	1	25
Bromobenzene	17.3		µg/kg wet		20.0		87	70-130	1	25
Bromochloromethane	16.9		µg/kg wet		20.0		85	70-130	3	25
Bromodichloromethane	21.4		µg/kg wet		20.0		107	70-130	0.7	25
Bromoform	19.2		µg/kg wet		20.0		96	70-130	5	25
Bromomethane	15.1		µg/kg wet		20.0		76	50-134	0.8	50
2-Butanone (MEK)	14.0		µg/kg wet		20.0		70	44.6-130	19	50
n-Butylbenzene	23.9		µg/kg wet		20.0		119	70-130	3	25
sec-Butylbenzene	19.0		µg/kg wet		20.0		95	70-130	3	25
tert-Butylbenzene	18.0		µg/kg wet		20.0		90	70-130	3	25
Carbon disulfide	23.0		µg/kg wet		20.0		115	70-130	3	25
Carbon tetrachloride	23.9		µg/kg wet		20.0		120	70-130	4	25
Chlorobenzene	20.7		µg/kg wet		20.0		104	70-130	4	25
Chloroethane	15.8		µg/kg wet		20.0		79	59.2-130	0	50
Chloroform	20.3		µg/kg wet		20.0		101	70-130	2	25
Chloromethane	14.6		µg/kg wet		20.0		73	70-130	0.8	25
2-Chlorotoluene	19.8		µg/kg wet		20.0		99	70-130	2	25
4-Chlorotoluene	18.9		µg/kg wet		20.0		94	70-130	4	25
1,2-Dibromo-3-chloropropane	21.9		µg/kg wet		20.0		109	70-130	19	25
Dibromochloromethane	17.9		µg/kg wet		20.0		90	63.8-130	0.4	50
1,2-Dibromoethane (EDB)	17.5		µg/kg wet		20.0		87	70-130	4	25
Dibromomethane	18.5		µg/kg wet		20.0		93	70-130	1	25
1,2-Dichlorobenzene	20.6		µg/kg wet		20.0		103	70-130	3	25
1,3-Dichlorobenzene	16.6		µg/kg wet		20.0		83	70-130	0	25
1,4-Dichlorobenzene	21.0		µg/kg wet		20.0		105	70-130	5	25
Dichlorodifluoromethane (Freon12)	18.1		µg/kg wet		20.0		91	41.8-130	6	50
1,1-Dichloroethane	21.6		µg/kg wet		20.0		108	70-130	0.5	25
1,2-Dichloroethane	20.2		µg/kg wet		20.0		101	70-130	4	25
1,1-Dichloroethene	23.3		µg/kg wet		20.0		117	70-130	4	25

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9011706 - SW846 5035A Soil (low level)										
LCS Dup (9011706-BSD1)										
Prepared & Analyzed: 27-Jan-09										
cis-1,2-Dichloroethene	21.2		µg/kg wet		20.0		106	70-130	0.8	25
trans-1,2-Dichloroethene	23.0		µg/kg wet		20.0		115	70-130	4	25
1,2-Dichloropropane	22.4		µg/kg wet		20.0		112	70-130	4	25
1,3-Dichloropropane	18.5		µg/kg wet		20.0		93	70-130	3	25
2,2-Dichloropropane	21.3		µg/kg wet		20.0		107	70-130	0.9	25
1,1-Dichloropropene	23.4		µg/kg wet		20.0		117	70-130	4	25
cis-1,3-Dichloropropene	19.6		µg/kg wet		20.0		98	70-130	6	25
trans-1,3-Dichloropropene	19.6		µg/kg wet		20.0		98	70-130	5	25
Ethylbenzene	21.1		µg/kg wet		20.0		106	70-130	4	25
Hexachlorobutadiene	19.0		µg/kg wet		20.0		95	68.3-130	8	50
2-Hexanone (MBK)	15.2		µg/kg wet		20.0		76	70-130	5	25
Isopropylbenzene	19.7		µg/kg wet		20.0		99	70-130	3	25
4-Isopropyltoluene	22.6		µg/kg wet		20.0		113	70-130	6	25
Methyl tert-butyl ether	20.8		µg/kg wet		20.0		104	70-130	2	25
4-Methyl-2-pentanone (MIBK)	17.6		µg/kg wet		20.0		88	53.1-132	14	50
Methylene chloride	17.1		µg/kg wet		20.0		86	70-130	0.4	25
Naphthalene	15.6		µg/kg wet		20.0		78	70-130	5	25
n-Propylbenzene	19.5		µg/kg wet		20.0		98	70-130	2	25
Styrene	19.2		µg/kg wet		20.0		96	70-130	4	25
1,1,1,2-Tetrachloroethane	21.0		µg/kg wet		20.0		105	70-130	4	25
1,1,2,2-Tetrachloroethane	18.0		µg/kg wet		20.0		90	70-130	3	25
Tetrachloroethene	18.8		µg/kg wet		20.0		94	70-130	4	25
Toluene	17.8		µg/kg wet		20.0		89	70-130	3	25
1,2,3-Trichlorobenzene	17.3		µg/kg wet		20.0		86	70-130	9	25
1,2,4-Trichlorobenzene	16.5		µg/kg wet		20.0		82	70-130	3	25
1,3,5-Trichlorobenzene	18.7		µg/kg wet		20.0		94	70-130	4	25
1,1,1-Trichloroethane	23.4		µg/kg wet		20.0		117	70-130	5	25
1,1,2-Trichloroethane	19.1		µg/kg wet		20.0		95	70-130	3	25
Trichloroethene	21.7		µg/kg wet		20.0		109	70-130	4	25
Trichlorofluoromethane (Freon 11)	22.3		µg/kg wet		20.0		111	68.2-130	4	50
1,2,3-Trichloropropane	18.3		µg/kg wet		20.0		92	70-130	0.8	25
1,2,4-Trimethylbenzene	18.4		µg/kg wet		20.0		92	70-130	2	25
1,3,5-Trimethylbenzene	18.6		µg/kg wet		20.0		93	70-130	2	25
Vinyl chloride	18.3		µg/kg wet		20.0		91	70-130	0.5	25
m,p-Xylene	40.7		µg/kg wet		40.0		102	70-130	4	25
o-Xylene	19.8		µg/kg wet		20.0		99	70-130	4	25
Tetrahydrofuran	16.8		µg/kg wet		20.0		84	70-130	4	25
Ethyl ether	21.5		µg/kg wet		20.0		108	70-130	0.3	50
Tert-amyl methyl ether	18.9		µg/kg wet		20.0		95	70-130	7	25
Ethyl tert-butyl ether	21.2		µg/kg wet		20.0		106	70-130	3	25
Di-isopropyl ether	21.7		µg/kg wet		20.0		109	70-130	2	25
Tert-Butanol / butyl alcohol	146		µg/kg wet		200		73	70-130	1	25
1,4-Dioxane	125		µg/kg wet		200		62	48.7-130	9	25
trans-1,4-Dichloro-2-butene	17.8		µg/kg wet		20.0		89	70-130	2	25
Ethanol	277	QC1	µg/kg wet		400		69	70-130	5	30
Surrogate: 4-Bromofluorobenzene	*45.2*		µg/kg wet		*50.0*		*90*	*70-130*		
Surrogate: Toluene-d8	*45.7*		µg/kg wet		*50.0*		*91*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*48.3*		µg/kg wet		*50.0*		*97*	*70-130*		
Surrogate: Dibromofluoromethane	*48.3*		µg/kg wet		*50.0*		*97*	*70-130*		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9011813 - SW846 5030 Soil (high level)										
Blank (9011813-BLK1)										
Prepared & Analyzed: 28-Jan-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg wet	1.0						
Acetone	BRL		µg/kg wet	10.0						
Acrylonitrile	BRL		µg/kg wet	1.0						
Benzene	BRL		µg/kg wet	1.0						
Bromobenzene	BRL		µg/kg wet	1.0						
Bromochloromethane	BRL		µg/kg wet	1.0						
Bromodichloromethane	BRL		µg/kg wet	1.0						
Bromoform	BRL		µg/kg wet	1.0						
Bromomethane	BRL		µg/kg wet	2.0						
2-Butanone (MEK)	BRL		µg/kg wet	10.0						
n-Butylbenzene	BRL		µg/kg wet	1.0						
sec-Butylbenzene	BRL		µg/kg wet	1.0						
tert-Butylbenzene	BRL		µg/kg wet	1.0						
Carbon disulfide	BRL		µg/kg wet	5.0						
Carbon tetrachloride	BRL		µg/kg wet	1.0						
Chlorobenzene	BRL		µg/kg wet	1.0						
Chloroethane	BRL		µg/kg wet	2.0						
Chloroform	BRL		µg/kg wet	1.0						
Chloromethane	BRL		µg/kg wet	2.0						
2-Chlorotoluene	BRL		µg/kg wet	1.0						
4-Chlorotoluene	BRL		µg/kg wet	1.0						
1,2-Dibromo-3-chloropropane	BRL		µg/kg wet	2.0						
Dibromochloromethane	BRL		µg/kg wet	1.0						
1,2-Dibromoethane (EDB)	BRL		µg/kg wet	1.0						
Dibromomethane	BRL		µg/kg wet	1.0						
1,2-Dichlorobenzene	BRL		µg/kg wet	1.0						
1,3-Dichlorobenzene	BRL		µg/kg wet	1.0						
1,4-Dichlorobenzene	BRL		µg/kg wet	1.0						
Dichlorodifluoromethane (Freon12)	BRL		µg/kg wet	2.0						
1,1-Dichloroethane	BRL		µg/kg wet	1.0						
1,2-Dichloroethane	BRL		µg/kg wet	1.0						
1,1-Dichloroethene	BRL		µg/kg wet	1.0						
cis-1,2-Dichloroethene	BRL		µg/kg wet	1.0						
trans-1,2-Dichloroethene	BRL		µg/kg wet	1.0						
1,2-Dichloropropane	BRL		µg/kg wet	1.0						
1,3-Dichloropropane	BRL		µg/kg wet	1.0						
2,2-Dichloropropane	BRL		µg/kg wet	1.0						
1,1-Dichloropropene	BRL		µg/kg wet	1.0						
cis-1,3-Dichloropropene	BRL		µg/kg wet	1.0						
trans-1,3-Dichloropropene	BRL		µg/kg wet	1.0						
Ethylbenzene	BRL		µg/kg wet	1.0						
Hexachlorobutadiene	BRL		µg/kg wet	1.0						
2-Hexanone (MBK)	BRL		µg/kg wet	10.0						
Isopropylbenzene	BRL		µg/kg wet	1.0						
4-Isopropyltoluene	BRL		µg/kg wet	1.0						
Methyl tert-butyl ether	BRL		µg/kg wet	1.0						
4-Methyl-2-pentanone (MIBK)	BRL		µg/kg wet	10.0						
Methylene chloride	BRL		µg/kg wet	10.0						
Naphthalene	BRL		µg/kg wet	1.0						
n-Propylbenzene	BRL		µg/kg wet	1.0						

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9011813 - SW846 5030 Soil (high level)										
Blank (9011813-BLK1)										
Prepared & Analyzed: 28-Jan-09										
Styrene	BRL		µg/kg wet	1.0						
1,1,1,2-Tetrachloroethane	BRL		µg/kg wet	1.0						
1,1,2,2-Tetrachloroethane	BRL		µg/kg wet	1.0						
Tetrachloroethene	BRL		µg/kg wet	1.0						
Toluene	BRL		µg/kg wet	1.0						
1,2,3-Trichlorobenzene	BRL		µg/kg wet	1.0						
1,2,4-Trichlorobenzene	BRL		µg/kg wet	1.0						
1,3,5-Trichlorobenzene	BRL		µg/kg wet	1.0						
1,1,1-Trichloroethane	BRL		µg/kg wet	1.0						
1,1,2-Trichloroethane	BRL		µg/kg wet	1.0						
Trichloroethene	BRL		µg/kg wet	1.0						
Trichlorofluoromethane (Freon 11)	BRL		µg/kg wet	1.0						
1,2,3-Trichloropropane	BRL		µg/kg wet	1.0						
1,2,4-Trimethylbenzene	BRL		µg/kg wet	1.0						
1,3,5-Trimethylbenzene	BRL		µg/kg wet	1.0						
Vinyl chloride	BRL		µg/kg wet	1.0						
m,p-Xylene	BRL		µg/kg wet	2.0						
o-Xylene	BRL		µg/kg wet	1.0						
Tetrahydrofuran	BRL		µg/kg wet	10.0						
Ethyl ether	BRL		µg/kg wet	1.0						
Tert-amyl methyl ether	BRL		µg/kg wet	1.0						
Ethyl tert-butyl ether	BRL		µg/kg wet	1.0						
Di-isopropyl ether	BRL		µg/kg wet	1.0						
Tert-Butanol / butyl alcohol	BRL		µg/kg wet	10.0						
1,4-Dioxane	BRL		µg/kg wet	20.0						
trans-1,4-Dichloro-2-butene	BRL		µg/kg wet	5.0						
Ethanol	BRL		µg/kg wet	400						
Surrogate: 4-Bromofluorobenzene	*29.9*		µg/kg wet		*30.0*		*100*	*70-130*		
Surrogate: Toluene-d8	*31.5*		µg/kg wet		*30.0*		*105*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*29.0*		µg/kg wet		*30.0*		*97*	*70-130*		
Surrogate: Dibromofluoromethane	*29.8*		µg/kg wet		*30.0*		*99*	*70-130*		
LCS (9011813-BS1)										
Prepared & Analyzed: 28-Jan-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	25.0		µg/kg wet		20.0		125	70-130		
Acetone	13.3		µg/kg wet		20.0		67	7.9-168		
Acrylonitrile	18.9		µg/kg wet		20.0		94	70-130		
Benzene	19.0		µg/kg wet		20.0		95	70-130		
Bromobenzene	22.7		µg/kg wet		20.0		114	70-130		
Bromochloromethane	22.3		µg/kg wet		20.0		111	70-130		
Bromodichloromethane	18.9		µg/kg wet		20.0		94	70-130		
Bromoform	17.8		µg/kg wet		20.0		89	70-130		
Bromomethane	21.0		µg/kg wet		20.0		105	50-134		
2-Butanone (MEK)	17.7		µg/kg wet		20.0		89	44.6-130		
n-Butylbenzene	18.3		µg/kg wet		20.0		91	70-130		
sec-Butylbenzene	21.8		µg/kg wet		20.0		109	70-130		
tert-Butylbenzene	23.6		µg/kg wet		20.0		118	70-130		
Carbon disulfide	22.3		µg/kg wet		20.0		111	70-130		
Carbon tetrachloride	16.2		µg/kg wet		20.0		81	70-130		
Chlorobenzene	23.8		µg/kg wet		20.0		119	70-130		
Chloroethane	18.2		µg/kg wet		20.0		91	59.2-130		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9011813 - SW846 5030 Soil (high level)										
LCS (9011813-BS1)										
Prepared & Analyzed: 28-Jan-09										
Chloroform	22.0		µg/kg wet		20.0		110	70-130		
Chloromethane	18.6		µg/kg wet		20.0		93	70-130		
2-Chlorotoluene	19.2		µg/kg wet		20.0		96	70-130		
4-Chlorotoluene	20.5		µg/kg wet		20.0		102	70-130		
1,2-Dibromo-3-chloropropane	10.6	QC2	µg/kg wet		20.0		53	70-130		
Dibromochloromethane	18.0		µg/kg wet		20.0		90	63.8-130		
1,2-Dibromoethane (EDB)	18.7		µg/kg wet		20.0		94	70-130		
Dibromomethane	20.7		µg/kg wet		20.0		104	70-130		
1,2-Dichlorobenzene	19.4		µg/kg wet		20.0		97	70-130		
1,3-Dichlorobenzene	22.9		µg/kg wet		20.0		114	70-130		
1,4-Dichlorobenzene	21.2		µg/kg wet		20.0		106	70-130		
Dichlorodifluoromethane (Freon12)	19.3		µg/kg wet		20.0		96	41.8-130		
1,1-Dichloroethane	21.7		µg/kg wet		20.0		109	70-130		
1,2-Dichloroethane	21.1		µg/kg wet		20.0		106	70-130		
1,1-Dichloroethene	22.1		µg/kg wet		20.0		110	70-130		
cis-1,2-Dichloroethene	21.4		µg/kg wet		20.0		107	70-130		
trans-1,2-Dichloroethene	21.3		µg/kg wet		20.0		106	70-130		
1,2-Dichloropropane	17.7		µg/kg wet		20.0		89	70-130		
1,3-Dichloropropane	17.5		µg/kg wet		20.0		87	70-130		
2,2-Dichloropropane	13.4	QC2	µg/kg wet		20.0		67	70-130		
1,1-Dichloropropene	19.4		µg/kg wet		20.0		97	70-130		
cis-1,3-Dichloropropene	15.4		µg/kg wet		20.0		77	70-130		
trans-1,3-Dichloropropene	13.0	QC2	µg/kg wet		20.0		65	70-130		
Ethylbenzene	20.3		µg/kg wet		20.0		102	70-130		
Hexachlorobutadiene	20.3		µg/kg wet		20.0		102	68.3-130		
2-Hexanone (MBK)	17.4		µg/kg wet		20.0		87	70-130		
Isopropylbenzene	18.1		µg/kg wet		20.0		90	70-130		
4-Isopropyltoluene	19.6		µg/kg wet		20.0		98	70-130		
Methyl tert-butyl ether	20.8		µg/kg wet		20.0		104	70-130		
4-Methyl-2-pentanone (MIBK)	17.9		µg/kg wet		20.0		90	53.1-132		
Methylene chloride	22.8		µg/kg wet		20.0		114	70-130		
Naphthalene	18.7		µg/kg wet		20.0		93	70-130		
n-Propylbenzene	20.2		µg/kg wet		20.0		101	70-130		
Styrene	20.8		µg/kg wet		20.0		104	70-130		
1,1,1,2-Tetrachloroethane	17.2		µg/kg wet		20.0		86	70-130		
1,1,2,2-Tetrachloroethane	19.0		µg/kg wet		20.0		95	70-130		
Tetrachloroethene	23.1		µg/kg wet		20.0		115	70-130		
Toluene	19.6		µg/kg wet		20.0		98	70-130		
1,2,3-Trichlorobenzene	20.7		µg/kg wet		20.0		103	70-130		
1,2,4-Trichlorobenzene	19.8		µg/kg wet		20.0		99	70-130		
1,3,5-Trichlorobenzene	20.0		µg/kg wet		20.0		100	70-130		
1,1,1-Trichloroethane	18.1		µg/kg wet		20.0		91	70-130		
1,1,2-Trichloroethane	19.0		µg/kg wet		20.0		95	70-130		
Trichloroethene	20.0		µg/kg wet		20.0		100	70-130		
Trichlorofluoromethane (Freon 11)	21.7		µg/kg wet		20.0		109	68.2-130		
1,2,3-Trichloropropane	22.8		µg/kg wet		20.0		114	70-130		
1,2,4-Trimethylbenzene	21.5		µg/kg wet		20.0		108	70-130		
1,3,5-Trimethylbenzene	21.9		µg/kg wet		20.0		109	70-130		
Vinyl chloride	20.4		µg/kg wet		20.0		102	70-130		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9011813 - SW846 5030 Soil (high level)										
LCS (9011813-BS1)										
Prepared & Analyzed: 28-Jan-09										
m,p-Xylene	41.2		µg/kg wet		40.0		103	70-130		
o-Xylene	21.3		µg/kg wet		20.0		106	70-130		
Tetrahydrofuran	18.7		µg/kg wet		20.0		93	70-130		
Ethyl ether	20.7		µg/kg wet		20.0		104	70-130		
Tert-amyl methyl ether	22.8		µg/kg wet		20.0		114	70-130		
Ethyl tert-butyl ether	14.2		µg/kg wet		20.0		71	70-130		
Di-isopropyl ether	16.0		µg/kg wet		20.0		80	70-130		
Tert-Butanol / butyl alcohol	187		µg/kg wet		200		94	70-130		
1,4-Dioxane	179		µg/kg wet		200		90	48.7-130		
trans-1,4-Dichloro-2-butene	15.6		µg/kg wet		20.0		78	70-130		
Ethanol	385		µg/kg wet		400		96	70-130		
Surrogate: 4-Bromofluorobenzene	*31.0*		µg/kg wet		*30.0*		*103*	*70-130*		
Surrogate: Toluene-d8	*31.0*		µg/kg wet		*30.0*		*104*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*28.0*		µg/kg wet		*30.0*		*93*	*70-130*		
Surrogate: Dibromofluoromethane	*31.2*		µg/kg wet		*30.0*		*104*	*70-130*		
LCS Dup (9011813-BSD1)										
Prepared & Analyzed: 28-Jan-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	23.7		µg/kg wet		20.0		119	70-130	5	25
Acetone	15.4		µg/kg wet		20.0		77	7.9-168	15	50
Acrylonitrile	20.0		µg/kg wet		20.0		100	70-130	6	25
Benzene	18.4		µg/kg wet		20.0		92	70-130	3	25
Bromobenzene	22.0		µg/kg wet		20.0		110	70-130	3	25
Bromochloromethane	21.0		µg/kg wet		20.0		105	70-130	6	25
Bromodichloromethane	18.8		µg/kg wet		20.0		94	70-130	0.6	25
Bromoform	16.7		µg/kg wet		20.0		83	70-130	7	25
Bromomethane	19.4		µg/kg wet		20.0		97	50-134	8	50
2-Butanone (MEK)	19.8		µg/kg wet		20.0		99	44.6-130	11	50
n-Butylbenzene	17.5		µg/kg wet		20.0		87	70-130	4	25
sec-Butylbenzene	20.5		µg/kg wet		20.0		102	70-130	6	25
tert-Butylbenzene	21.8		µg/kg wet		20.0		109	70-130	8	25
Carbon disulfide	21.4		µg/kg wet		20.0		107	70-130	4	25
Carbon tetrachloride	15.8		µg/kg wet		20.0		79	70-130	3	25
Chlorobenzene	22.3		µg/kg wet		20.0		112	70-130	7	25
Chloroethane	16.8		µg/kg wet		20.0		84	59.2-130	8	50
Chloroform	20.9		µg/kg wet		20.0		105	70-130	5	25
Chloromethane	17.7		µg/kg wet		20.0		88	70-130	5	25
2-Chlorotoluene	18.3		µg/kg wet		20.0		92	70-130	5	25
4-Chlorotoluene	19.4		µg/kg wet		20.0		97	70-130	6	25
1,2-Dibromo-3-chloropropane	10.8	QC2	µg/kg wet		20.0		54	70-130	3	25
Dibromochloromethane	19.0		µg/kg wet		20.0		95	63.8-130	5	50
1,2-Dibromoethane (EDB)	18.4		µg/kg wet		20.0		92	70-130	2	25
Dibromomethane	20.0		µg/kg wet		20.0		100	70-130	4	25
1,2-Dichlorobenzene	19.2		µg/kg wet		20.0		96	70-130	0.9	25
1,3-Dichlorobenzene	21.7		µg/kg wet		20.0		109	70-130	5	25
1,4-Dichlorobenzene	20.8		µg/kg wet		20.0		104	70-130	2	25
Dichlorodifluoromethane (Freon12)	17.4		µg/kg wet		20.0		87	41.8-130	10	50
1,1-Dichloroethane	20.8		µg/kg wet		20.0		104	70-130	4	25
1,2-Dichloroethane	21.0		µg/kg wet		20.0		105	70-130	0.8	25
1,1-Dichloroethene	21.3		µg/kg wet		20.0		107	70-130	3	25
cis-1,2-Dichloroethene	20.4		µg/kg wet		20.0		102	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 9011813 - SW846 5030 Soil (high level)										
LCS Dup (9011813-BSD1)										
Prepared & Analyzed: 28-Jan-09										
trans-1,2-Dichloroethene	20.0		µg/kg wet		20.0		100	70-130	6	25
1,2-Dichloropropane	17.5		µg/kg wet		20.0		88	70-130	1	25
1,3-Dichloropropane	17.4		µg/kg wet		20.0		87	70-130	0.8	25
2,2-Dichloropropane	13.0	QC2	µg/kg wet		20.0		65	70-130	3	25
1,1-Dichloropropene	19.0		µg/kg wet		20.0		95	70-130	2	25
cis-1,3-Dichloropropene	14.9		µg/kg wet		20.0		75	70-130	3	25
trans-1,3-Dichloropropene	13.7	QC2	µg/kg wet		20.0		69	70-130	5	25
Ethylbenzene	19.0		µg/kg wet		20.0		95	70-130	7	25
Hexachlorobutadiene	18.0		µg/kg wet		20.0		90	68.3-130	12	50
2-Hexanone (MBK)	18.0		µg/kg wet		20.0		90	70-130	3	25
Isopropylbenzene	16.8		µg/kg wet		20.0		84	70-130	7	25
4-Isopropyltoluene	18.9		µg/kg wet		20.0		94	70-130	4	25
Methyl tert-butyl ether	20.6		µg/kg wet		20.0		103	70-130	1	25
4-Methyl-2-pentanone (MIBK)	18.4		µg/kg wet		20.0		92	53.1-132	3	50
Methylene chloride	22.7		µg/kg wet		20.0		114	70-130	0.1	25
Naphthalene	17.3		µg/kg wet		20.0		87	70-130	8	25
n-Propylbenzene	19.1		µg/kg wet		20.0		95	70-130	6	25
Styrene	19.9		µg/kg wet		20.0		99	70-130	5	25
1,1,1,2-Tetrachloroethane	16.3		µg/kg wet		20.0		81	70-130	6	25
1,1,2,2-Tetrachloroethane	18.7		µg/kg wet		20.0		93	70-130	2	25
Tetrachloroethene	22.0		µg/kg wet		20.0		110	70-130	5	25
Toluene	19.0		µg/kg wet		20.0		95	70-130	3	25
1,2,3-Trichlorobenzene	19.1		µg/kg wet		20.0		96	70-130	8	25
1,2,4-Trichlorobenzene	18.8		µg/kg wet		20.0		94	70-130	5	25
1,3,5-Trichlorobenzene	18.9		µg/kg wet		20.0		95	70-130	5	25
1,1,1-Trichloroethane	17.3		µg/kg wet		20.0		86	70-130	5	25
1,1,2-Trichloroethane	19.2		µg/kg wet		20.0		96	70-130	2	25
Trichloroethene	20.0		µg/kg wet		20.0		100	70-130	0.2	25
Trichlorofluoromethane (Freon 11)	19.8		µg/kg wet		20.0		99	68.2-130	9	50
1,2,3-Trichloropropane	22.8		µg/kg wet		20.0		114	70-130	0.04	25
1,2,4-Trimethylbenzene	19.9		µg/kg wet		20.0		100	70-130	8	25
1,3,5-Trimethylbenzene	20.6		µg/kg wet		20.0		103	70-130	6	25
Vinyl chloride	18.2		µg/kg wet		20.0		91	70-130	11	25
m,p-Xylene	39.0		µg/kg wet		40.0		98	70-130	6	25
o-Xylene	20.4		µg/kg wet		20.0		102	70-130	4	25
Tetrahydrofuran	18.6		µg/kg wet		20.0		93	70-130	0.6	25
Ethyl ether	20.4		µg/kg wet		20.0		102	70-130	1	50
Tert-amyl methyl ether	23.3		µg/kg wet		20.0		116	70-130	2	25
Ethyl tert-butyl ether	14.2		µg/kg wet		20.0		71	70-130	0.07	25
Di-isopropyl ether	15.8		µg/kg wet		20.0		79	70-130	1	25
Tert-Butanol / butyl alcohol	194		µg/kg wet		200		97	70-130	3	25
1,4-Dioxane	193		µg/kg wet		200		96	48.7-130	7	25
trans-1,4-Dichloro-2-butene	15.7		µg/kg wet		20.0		78	70-130	0.6	25
Ethanol	364		µg/kg wet		400		91	70-130	6	30
Surrogate: 4-Bromofluorobenzene	*30.4*		µg/kg wet		*30.0*		*102*	*70-130*		
Surrogate: Toluene-d8	*32.0*		µg/kg wet		*30.0*		*107*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*28.5*		µg/kg wet		*30.0*		*95*	*70-130*		
Surrogate: Dibromofluoromethane	*31.4*		µg/kg wet		*30.0*		*105*	*70-130*		

Matrix Spike (9011813-MS1) **Source: SA90275-01**

Prepared & Analyzed: 28-Jan-09

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9011813 - SW846 5030 Soil (high level)										
Matrix Spike (9011813-MS1)	**Source: SA90275-01**									
Prepared & Analyzed: 28-Jan-09										
Benzene	16.9		µg/kg dry		20.0	BRL	85	70-130		
Chlorobenzene	20.5		µg/kg dry		20.0	BRL	103	70-130		
1,1-Dichloroethene	17.9		µg/kg dry		20.0	BRL	89	70-130		
Toluene	17.4		µg/kg dry		20.0	BRL	87	70-130		
Trichloroethene	18.0		µg/kg dry		20.0	BRL	90	70-130		
Surrogate: 4-Bromofluorobenzene	*30.7*		µg/kg dry		*30.0*		*102*	*70-130*		
Surrogate: Toluene-d8	*31.2*		µg/kg dry		*30.0*		*104*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*29.9*		µg/kg dry		*30.0*		*100*	*70-130*		
Surrogate: Dibromofluoromethane	*29.3*		µg/kg dry		*30.0*		*98*	*70-130*		
Matrix Spike Dup (9011813-MSD1)	**Source: SA90275-01**									
Prepared & Analyzed: 28-Jan-09										
Benzene	19.0		µg/kg dry		20.0	BRL	95	70-130	11	30
Chlorobenzene	24.6		µg/kg dry		20.0	BRL	123	70-130	18	30
1,1-Dichloroethene	20.4		µg/kg dry		20.0	BRL	102	70-130	13	30
Toluene	20.1		µg/kg dry		20.0	BRL	101	70-130	14	30
Trichloroethene	21.6		µg/kg dry		20.0	BRL	108	70-130	18	30
Surrogate: 4-Bromofluorobenzene	*31.2*		µg/kg dry		*30.0*		*104*	*70-130*		
Surrogate: Toluene-d8	*31.6*		µg/kg dry		*30.0*		*105*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*29.6*		µg/kg dry		*30.0*		*99*	*70-130*		
Surrogate: Dibromofluoromethane	*30.6*		µg/kg dry		*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 9011799 - SW846 3550B										
Blank (9011799-BLK1)										
Prepared & Analyzed: 28-Jan-09										
Acenaphthene	BRL		µg/kg wet	330						
Acenaphthylene	BRL		µg/kg wet	330						
Aniline	BRL		µg/kg wet	330						
Anthracene	BRL		µg/kg wet	330						
Atrazine	BRL		µg/kg wet	330						
Azobenzene/Diphenyldiazine	BRL		µg/kg wet	330						
Benzidine	BRL		µg/kg wet	330						
Benzo (a) anthracene	BRL		µg/kg wet	330						
Benzo (a) pyrene	BRL		µg/kg wet	330						
Benzo (b) fluoranthene	BRL		µg/kg wet	330						
Benzo (g,h,i) perylene	BRL		µg/kg wet	330						
Benzo (k) fluoranthene	BRL		µg/kg wet	330						
Benzoic acid	BRL		µg/kg wet	330						
Benzyl alcohol	BRL		µg/kg wet	330						
Bis(2-chloroethoxy)methane	BRL		µg/kg wet	330						
Bis(2-chloroethyl)ether	BRL		µg/kg wet	330						
Bis(2-chloroisopropyl)ether	BRL		µg/kg wet	330						
Bis(2-ethylhexyl)phthalate	BRL		µg/kg wet	330						
4-Bromophenyl phenyl ether	BRL		µg/kg wet	330						
Butyl benzyl phthalate	BRL		µg/kg wet	330						
Carbazole	BRL		µg/kg wet	330						
4-Chloro-3-methylphenol	BRL		µg/kg wet	330						
4-Chloroaniline	BRL		µg/kg wet	330						
2-Chloronaphthalene	BRL		µg/kg wet	330						
2-Chlorophenol	BRL		µg/kg wet	330						
4-Chlorophenyl phenyl ether	BRL		µg/kg wet	330						
Chrysene	BRL		µg/kg wet	330						
Dibenzo (a,h) anthracene	BRL		µg/kg wet	330						
Dibenzofuran	BRL		µg/kg wet	330						
1,2-Dichlorobenzene	BRL		µg/kg wet	330						
1,3-Dichlorobenzene	BRL		µg/kg wet	330						
1,4-Dichlorobenzene	BRL		µg/kg wet	330						
3,3'-Dichlorobenzidine	BRL		µg/kg wet	330						
2,4-Dichlorophenol	BRL		µg/kg wet	330						
Diethyl phthalate	BRL		µg/kg wet	330						
Dimethyl phthalate	BRL		µg/kg wet	330						
2,4-Dimethylphenol	BRL		µg/kg wet	330						
Di-n-butyl phthalate	BRL		µg/kg wet	330						
4,6-Dinitro-2-methylphenol	BRL		µg/kg wet	330						
2,4-Dinitrophenol	BRL		µg/kg wet	330						
2,4-Dinitrotoluene	BRL		µg/kg wet	330						
2,6-Dinitrotoluene	BRL		µg/kg wet	330						
Di-n-octyl phthalate	BRL		µg/kg wet	330						
Fluoranthene	BRL		µg/kg wet	330						
Fluorene	BRL		µg/kg wet	330						
Hexachlorobenzene	BRL		µg/kg wet	330						
Hexachlorobutadiene	BRL		µg/kg wet	330						
Hexachlorocyclopentadiene	BRL		µg/kg wet	330						
Hexachloroethane	BRL		µg/kg wet	330						

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9011799 - SW846 3550B										
Blank (9011799-BLK1)										
Prepared & Analyzed: 28-Jan-09										
Indeno (1,2,3-cd) pyrene	BRL		µg/kg wet	330						
Isophorone	BRL		µg/kg wet	330						
1-Methylnaphthalene	BRL		µg/kg wet	330						
2-Methylnaphthalene	BRL		µg/kg wet	330						
2-Methylphenol	BRL		µg/kg wet	330						
3 & 4-Methylphenol	BRL		µg/kg wet	330						
Naphthalene	BRL		µg/kg wet	330						
2-Nitroaniline	BRL		µg/kg wet	330						
3-Nitroaniline	BRL		µg/kg wet	330						
4-Nitroaniline	BRL		µg/kg wet	1320						
Nitrobenzene	BRL		µg/kg wet	330						
2-Nitrophenol	BRL		µg/kg wet	330						
4-Nitrophenol	BRL		µg/kg wet	1320						
N-Nitrosodimethylamine	BRL		µg/kg wet	330						
N-Nitrosodi-n-propylamine	BRL		µg/kg wet	330						
N-Nitrosodiphenylamine	BRL		µg/kg wet	330						
Pentachlorophenol	BRL		µg/kg wet	330						
Phenanthrene	BRL		µg/kg wet	330						
Phenol	BRL		µg/kg wet	330						
Pyrene	BRL		µg/kg wet	330						
Pyridine	BRL		µg/kg wet	330						
1,2,4-Trichlorobenzene	BRL		µg/kg wet	330						
2,4,5-Trichlorophenol	BRL		µg/kg wet	330						
2,4,6-Trichlorophenol	BRL		µg/kg wet	330						
Pentachloronitrobenzene	BRL		µg/kg wet	330						
1,2,4,5-Tetrachlorobenzene	BRL		µg/kg wet	330						
Surrogate: 2-Fluorobiphenyl	*2400*		µg/kg wet		*3330*		*72*	*30-130*		
Surrogate: 2-Fluorophenol	*2270*		µg/kg wet		*3330*		*68*	*15-110*		
Surrogate: Nitrobenzene-d5	*2400*		µg/kg wet		*3330*		*72*	*30-130*		
Surrogate: Phenol-d5	*2150*		µg/kg wet		*3330*		*64*	*15-110*		
Surrogate: Terphenyl-d14	*1950*		µg/kg wet		*3330*		*58*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*2120*		µg/kg wet		*3330*		*64*	*15-110*		
LCS (9011799-BS1)										
Prepared & Analyzed: 28-Jan-09										
Acenaphthene	2530		µg/kg wet	330	3330		76	40-130		
Acenaphthylene	2530		µg/kg wet	330	3330		76	40-130		
Aniline	1060	QC2	µg/kg wet	330	3330		32	40-130		
Anthracene	2710		µg/kg wet	330	3330		81	40-130		
Atrazine	3350		µg/kg wet	330	3330		100	40-130		
Azobenzene/Diphenyldiazine	3060		µg/kg wet	330	3330		92	40-130		
Benzidine	BRL		µg/kg wet	330	3330			0-130		
Benzo (a) anthracene	2220		µg/kg wet	330	3330		66	40-130		
Benzo (a) pyrene	2570		µg/kg wet	330	3330		77	40-130		
Benzo (b) fluoranthene	2650		µg/kg wet	330	3330		80	40-130		
Benzo (g,h,i) perylene	1960		µg/kg wet	330	3330		59	40-130		
Benzo (k) fluoranthene	2960		µg/kg wet	330	3330		89	40-130		
Benzoic acid	2770		µg/kg wet	330	3330		83	19.5-130		
Benzyl alcohol	2610		µg/kg wet	330	3330		78	40-130		
Bis(2-chloroethoxy)methane	2920		µg/kg wet	330	3330		88	40-130		
Bis(2-chloroethyl)ether	3160		µg/kg wet	330	3330		95	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 9011799 - SW846 3550B										
LCS (9011799-BS1)										
Prepared & Analyzed: 28-Jan-09										
Bis(2-chloroisopropyl)ether	2860		µg/kg wet	330	3330		86	40-130		
Bis(2-ethylhexyl)phthalate	2810		µg/kg wet	330	3330		84	40-130		
4-Bromophenyl phenyl ether	2840		µg/kg wet	330	3330		85	40-130		
Butyl benzyl phthalate	2700		µg/kg wet	330	3330		81	40-130		
Carbazole	4340		µg/kg wet	330	3330		130	40-130		
4-Chloro-3-methylphenol	2830		µg/kg wet	330	3330		85	40-130		
4-Chloroaniline	1920		µg/kg wet	330	3330		58	40-130		
2-Chloronaphthalene	2340		µg/kg wet	330	3330		70	40-130		
2-Chlorophenol	2460		µg/kg wet	330	3330		74	40-130		
4-Chlorophenyl phenyl ether	2790		µg/kg wet	330	3330		84	40-130		
Chrysene	2220		µg/kg wet	330	3330		67	40-130		
Dibenzo (a,h) anthracene	2100		µg/kg wet	330	3330		63	40-130		
Dibenzofuran	2510		µg/kg wet	330	3330		75	40-130		
1,2-Dichlorobenzene	2390		µg/kg wet	330	3330		72	40-130		
1,3-Dichlorobenzene	2010		µg/kg wet	330	3330		60	40-130		
1,4-Dichlorobenzene	2530		µg/kg wet	330	3330		76	40-130		
3,3'-Dichlorobenzidine	2590		µg/kg wet	330	3330		78	40-130		
2,4-Dichlorophenol	2510		µg/kg wet	330	3330		75	40-130		
Diethyl phthalate	2780		µg/kg wet	330	3330		83	40-130		
Dimethyl phthalate	2750		µg/kg wet	330	3330		83	40-130		
2,4-Dimethylphenol	2490		µg/kg wet	330	3330		75	40-130		
Di-n-butyl phthalate	3090		µg/kg wet	330	3330		93	40-130		
4,6-Dinitro-2-methylphenol	859	QC2	µg/kg wet	330	3330		26	40-130		
2,4-Dinitrophenol	896	QC2	µg/kg wet	330	3330		27	40-130		
2,4-Dinitrotoluene	2440		µg/kg wet	330	3330		73	40-130		
2,6-Dinitrotoluene	2510		µg/kg wet	330	3330		75	40-130		
Di-n-octyl phthalate	4220		µg/kg wet	330	3330		126	40-130		
Fluoranthene	2680		µg/kg wet	330	3330		80	40-130		
Fluorene	2640		µg/kg wet	330	3330		79	40-130		
Hexachlorobenzene	2490		µg/kg wet	330	3330		75	40-130		
Hexachlorobutadiene	2410		µg/kg wet	330	3330		72	40-130		
Hexachlorocyclopentadiene	795	QC2	µg/kg wet	330	3330		24	40-130		
Hexachloroethane	2300		µg/kg wet	330	3330		69	40-130		
Indeno (1,2,3-cd) pyrene	1870		µg/kg wet	330	3330		56	40-130		
1-Methylnaphthalene	2670		µg/kg wet	330	3330		80	40-140		
Isophorone	2700		µg/kg wet	330	3330		81	40-130		
2-Methylnaphthalene	2710		µg/kg wet	330	3330		81	40-130		
2-Methylphenol	2550		µg/kg wet	330	3330		76	40-130		
3 & 4-Methylphenol	3000		µg/kg wet	330	3330		90	40-130		
Naphthalene	2580		µg/kg wet	330	3330		77	40-130		
2-Nitroaniline	2570		µg/kg wet	330	3330		77	40-130		
3-Nitroaniline	2600		µg/kg wet	330	3330		78	40-130		
4-Nitroaniline	2980		µg/kg wet	1320	3330		89	40-130		
Nitrobenzene	2520		µg/kg wet	330	3330		76	40-130		
2-Nitrophenol	2430		µg/kg wet	330	3330		73	40-130		
4-Nitrophenol	2750		µg/kg wet	1320	3330		82	40-130		
N-Nitrosodimethylamine	3010		µg/kg wet	330	3330		90	40-130		
N-Nitrosodi-n-propylamine	2990		µg/kg wet	330	3330		90	40-130		
N-Nitrosodiphenylamine	3190		µg/kg wet	330	3330		96	40-130		

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9011799 - SW846 3550B										
LCS (9011799-BS1)										
Prepared & Analyzed: 28-Jan-09										
Pentachlorophenol	2390		µg/kg wet	330	3330		72	40-130		
Phenanthrene	2700		µg/kg wet	330	3330		81	40-130		
Phenol	2540		µg/kg wet	330	3330		76	40-130		
Pyrene	2370		µg/kg wet	330	3330		71	40-130		
Pyridine	419		µg/kg wet	330	3330		13	0-130		
1,2,4-Trichlorobenzene	2260		µg/kg wet	330	3330		68	40-130		
2,4,5-Trichlorophenol	2530		µg/kg wet	330	3330		76	40-130		
2,4,6-Trichlorophenol	2260		µg/kg wet	330	3330		68	40-130		
Pentachloronitrobenzene	3270		µg/kg wet	330	3330		98	40-140		
1,2,4,5-Tetrachlorobenzene	2130		µg/kg wet	330	3330		64	40-140		
Surrogate: 2-Fluorobiphenyl	*2420*		µg/kg wet		*3330*		*73*	*30-130*		
Surrogate: 2-Fluorophenol	*2140*		µg/kg wet		*3330*		*64*	*15-110*		
Surrogate: Nitrobenzene-d5	*2740*		µg/kg wet		*3330*		*82*	*30-130*		
Surrogate: Phenol-d5	*2060*		µg/kg wet		*3330*		*62*	*15-110*		
Surrogate: Terphenyl-d14	*2110*		µg/kg wet		*3330*		*63*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*2710*		µg/kg wet		*3330*		*81*	*15-110*		
Duplicate (9011799-DUP1)	**Source: SA90232-05**									
Prepared & Analyzed: 28-Jan-09										
Acenaphthene	BRL		µg/kg dry	373		BRL				50
Acenaphthylene	BRL		µg/kg dry	373		BRL				50
Aniline	BRL		µg/kg dry	373		BRL				50
Anthracene	BRL		µg/kg dry	373		BRL				50
Atrazine	BRL		µg/kg dry	373		BRL				50
Azobenzene/Diphenyldiazine	BRL		µg/kg dry	373		BRL				50
Benzidine	BRL		µg/kg dry	373		BRL				50
Benzo (a) anthracene	BRL		µg/kg dry	373		BRL				50
Benzo (a) pyrene	BRL		µg/kg dry	373		BRL				50
Benzo (b) fluoranthene	BRL		µg/kg dry	373		BRL				50
Benzo (g,h,i) perylene	BRL		µg/kg dry	373		BRL				50
Benzo (k) fluoranthene	BRL		µg/kg dry	373		BRL				50
Benzoic acid	BRL		µg/kg dry	373		BRL				50
Benzyl alcohol	BRL		µg/kg dry	373		BRL				50
Bis(2-chloroethoxy)methane	BRL		µg/kg dry	373		BRL				50
Bis(2-chloroethyl)ether	BRL		µg/kg dry	373		BRL				50
Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	373		BRL				50
Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	373		BRL				50
4-Bromophenyl phenyl ether	BRL		µg/kg dry	373		BRL				50
Butyl benzyl phthalate	BRL		µg/kg dry	373		BRL				50
Carbazole	BRL		µg/kg dry	373		BRL				50
4-Chloro-3-methylphenol	BRL		µg/kg dry	373		BRL				50
4-Chloroaniline	BRL		µg/kg dry	373		BRL				50
2-Chloronaphthalene	BRL		µg/kg dry	373		BRL				50
2-Chlorophenol	BRL		µg/kg dry	373		BRL				50
4-Chlorophenyl phenyl ether	BRL		µg/kg dry	373		BRL				50
Chrysene	BRL		µg/kg dry	373		BRL				50
Dibenzo (a,h) anthracene	BRL		µg/kg dry	373		BRL				50
Dibenzofuran	BRL		µg/kg dry	373		BRL				50
1,2-Dichlorobenzene	BRL		µg/kg dry	373		BRL				50
1,3-Dichlorobenzene	BRL		µg/kg dry	373		BRL				50
1,4-Dichlorobenzene	BRL		µg/kg dry	373		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 9011799 - SW846 3550B										
Duplicate (9011799-DUP1)	**Source: SA90232-05**									
Prepared & Analyzed: 28-Jan-09										
3,3'-Dichlorobenzidine	BRL		µg/kg dry	373		BRL				50
2,4-Dichlorophenol	BRL		µg/kg dry	373		BRL				50
Diethyl phthalate	BRL		µg/kg dry	373		BRL				50
Dimethyl phthalate	BRL		µg/kg dry	373		BRL				50
2,4-Dimethylphenol	BRL		µg/kg dry	373		BRL				50
Di-n-butyl phthalate	BRL		µg/kg dry	373		BRL				50
4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	373		BRL				50
2,4-Dinitrophenol	BRL		µg/kg dry	373		BRL				50
2,4-Dinitrotoluene	BRL		µg/kg dry	373		BRL				50
2,6-Dinitrotoluene	BRL		µg/kg dry	373		BRL				50
Di-n-octyl phthalate	BRL		µg/kg dry	373		BRL				50
Fluoranthene	BRL		µg/kg dry	373		BRL				50
Fluorene	BRL		µg/kg dry	373		BRL				50
Hexachlorobenzene	BRL		µg/kg dry	373		BRL				50
Hexachlorobutadiene	BRL		µg/kg dry	373		BRL				50
Hexachlorocyclopentadiene	BRL		µg/kg dry	373		BRL				50
Hexachloroethane	BRL		µg/kg dry	373		BRL				50
Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	373		BRL				50
Isophorone	BRL		µg/kg dry	373		BRL				50
1-Methylnaphthalene	BRL		µg/kg dry	373		BRL				50
2-Methylnaphthalene	BRL		µg/kg dry	373		BRL				50
2-Methylphenol	BRL		µg/kg dry	373		BRL				50
3 & 4-Methylphenol	BRL		µg/kg dry	373		BRL				50
Naphthalene	BRL		µg/kg dry	373		BRL				50
2-Nitroaniline	BRL		µg/kg dry	373		BRL				50
3-Nitroaniline	BRL		µg/kg dry	373		BRL				50
4-Nitroaniline	BRL		µg/kg dry	1490		BRL				50
Nitrobenzene	BRL		µg/kg dry	373		BRL				50
2-Nitrophenol	BRL		µg/kg dry	373		BRL				50
4-Nitrophenol	BRL		µg/kg dry	1490		BRL				50
N-Nitrosodimethylamine	BRL		µg/kg dry	373		BRL				50
N-Nitrosodi-n-propylamine	BRL		µg/kg dry	373		BRL				50
N-Nitrosodiphenylamine	BRL		µg/kg dry	373		BRL				50
Pentachlorophenol	BRL		µg/kg dry	373		BRL				50
Phenanthrene	BRL		µg/kg dry	373		BRL				50
Phenol	BRL		µg/kg dry	373		BRL				50
Pyrene	BRL		µg/kg dry	373		BRL				50
Pyridine	BRL		µg/kg dry	373		BRL				50
1,2,4-Trichlorobenzene	BRL		µg/kg dry	373		BRL				50
2,4,5-Trichlorophenol	BRL		µg/kg dry	373		BRL				50
2,4,6-Trichlorophenol	BRL		µg/kg dry	373		BRL				50
Pentachloronitrobenzene	BRL		µg/kg dry	373		BRL				50
1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	373		BRL				50
Surrogate: 2-Fluorobiphenyl	*1420*		µg/kg dry		*1890*		*75*	*30-130*		
Surrogate: 2-Fluorophenol	*1310*		µg/kg dry		*1890*		*69*	*15-110*		
Surrogate: Nitrobenzene-d5	*1360*		µg/kg dry		*1890*		*72*	*30-130*		
Surrogate: Phenol-d5	*1160*		µg/kg dry		*1890*		*62*	*15-110*		
Surrogate: Terphenyl-dl4	*1210*		µg/kg dry		*1890*		*64*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*1240*		µg/kg dry		*1890*		*66*	*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 9011799 - SW846 3550B										
Matrix Spike (9011799-MS1)	**Source: SA90232-05**									
Prepared & Analyzed: 28-Jan-09										
Acenaphthene	1400		µg/kg dry	188	1900	BRL	73	40-140		
Benzo (b) fluoranthene	1440		µg/kg dry	188	1900	BRL	76	40-140		
Benzo (k) fluoranthene	1520		µg/kg dry	188	1900	BRL	80	40-140		
4-Chloro-3-methylphenol	1520		µg/kg dry	188	1900	BRL	80	30-130		
2-Chlorophenol	1290		µg/kg dry	188	1900	BRL	68	30-130		
Chrysene	1230		µg/kg dry	188	1900	BRL	65	40-140		
1,4-Dichlorobenzene	1370		µg/kg dry	188	1900	BRL	72	40-140		
Indeno (1,2,3-cd) pyrene	947		µg/kg dry	188	1900	BRL	50	40-140		
Naphthalene	1420		µg/kg dry	188	1900	BRL	75	40-140		
4-Nitrophenol	1440		µg/kg dry	752	1900	BRL	76	30-130		
N-Nitrosodi-n-propylamine	1560		µg/kg dry	188	1900	BRL	82	40-140		
Pentachlorophenol	1370		µg/kg dry	188	1900	BRL	72	30-130		
Phenol	1360		µg/kg dry	188	1900	BRL	71	30-130		
Pyrene	1290		µg/kg dry	188	1900	BRL	68	40-140		
1,2,4-Trichlorobenzene	1220		µg/kg dry	188	1900	BRL	64	40-140		
Surrogate: 2-Fluorobiphenyl	*1280*		µg/kg dry		*1900*		*67*	*30-130*		
Surrogate: 2-Fluorophenol	*1110*		µg/kg dry		*1900*		*59*	*15-110*		
Surrogate: Nitrobenzene-d5	*1430*		µg/kg dry		*1900*		*75*	*30-130*		
Surrogate: Phenol-d5	*1040*		µg/kg dry		*1900*		*55*	*15-110*		
Surrogate: Terphenyl-dl4	*1090*		µg/kg dry		*1900*		*57*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*1380*		µg/kg dry		*1900*		*73*	*15-110*		
Matrix Spike Dup (9011799-MSD1)	**Source: SA90232-05**									
Prepared & Analyzed: 28-Jan-09										
Acenaphthene	1310		µg/kg dry	185	1870	BRL	70	40-140	5	30
Benzo (b) fluoranthene	1380		µg/kg dry	185	1870	BRL	74	40-140	2	30
Benzo (k) fluoranthene	1510		µg/kg dry	185	1870	BRL	81	40-140	0.7	30
4-Chloro-3-methylphenol	1520		µg/kg dry	185	1870	BRL	81	30-130	2	30
2-Chlorophenol	1290		µg/kg dry	185	1870	BRL	69	30-130	1	30
Chrysene	1180		µg/kg dry	185	1870	BRL	63	40-140	3	30
1,4-Dichlorobenzene	1330		µg/kg dry	185	1870	BRL	71	40-140	1	30
Indeno (1,2,3-cd) pyrene	971		µg/kg dry	185	1870	BRL	52	40-140	4	30
Naphthalene	1380		µg/kg dry	185	1870	BRL	74	40-140	1	30
4-Nitrophenol	1440		µg/kg dry	741	1870	BRL	77	30-130	2	30
N-Nitrosodi-n-propylamine	1560		µg/kg dry	185	1870	BRL	83	40-140	2	30
Pentachlorophenol	1270		µg/kg dry	185	1870	BRL	68	30-130	6	30
Phenol	1360		µg/kg dry	185	1870	BRL	73	30-130	2	30
Pyrene	1230		µg/kg dry	185	1870	BRL	66	40-140	4	30
1,2,4-Trichlorobenzene	1190		µg/kg dry	185	1870	BRL	64	40-140	0.4	30
Surrogate: 2-Fluorobiphenyl	*1250*		µg/kg dry		*1870*		*67*	*30-130*		
Surrogate: 2-Fluorophenol	*1130*		µg/kg dry		*1870*		*60*	*15-110*		
Surrogate: Nitrobenzene-d5	*1450*		µg/kg dry		*1870*		*77*	*30-130*		
Surrogate: Phenol-d5	*1080*		µg/kg dry		*1870*		*58*	*15-110*		
Surrogate: Terphenyl-dl4	*1080*		µg/kg dry		*1870*		*58*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*1400*		µg/kg dry		*1870*		*75*	*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 9011747 - SW846 3550B										
Blank (9011747-BLK1)										
Prepared: 27-Jan-09 Analyzed: 29-Jan-09										
PCB 1016	BRL		µg/kg wet	20.0						
PCB 1221	BRL		µg/kg wet	20.0						
PCB 1232	BRL		µg/kg wet	20.0						
PCB 1242	BRL		µg/kg wet	20.0						
PCB 1248	BRL		µg/kg wet	20.0						
PCB 1254	BRL		µg/kg wet	20.0						
PCB 1260	BRL		µg/kg wet	20.0						
PCB 1262	BRL		µg/kg wet	20.0						
PCB 1268	BRL		µg/kg wet	20.0						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*20.5*		µg/kg wet		*20.0*		*102*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*10.3*		µg/kg wet		*20.0*		*52*	*30-150*		
LCS (9011747-BS1)										
Prepared: 27-Jan-09 Analyzed: 29-Jan-09										
PCB 1016	256		µg/kg wet	20.0	250		102	40-140		
PCB 1260	276		µg/kg wet	20.0	250		111	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*20.8*		µg/kg wet		*20.0*		*104*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*11.3*		µg/kg wet		*20.0*		*56*	*30-150*		
LCS Dup (9011747-BSD1)										
Prepared: 27-Jan-09 Analyzed: 29-Jan-09										
PCB 1016	256		µg/kg wet	20.0	250		102	40-140	0.2	30
PCB 1260	259		µg/kg wet	20.0	250		104	40-140	6	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*21.1*		µg/kg wet		*20.0*		*106*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*11.5*		µg/kg wet		*20.0*		*58*	*30-150*		
Duplicate (9011747-DUP1) **Source: SA90219-27**										
Prepared: 27-Jan-09 Analyzed: 29-Jan-09										
PCB 1016	BRL		µg/kg dry	19.9		BRL				40
PCB 1221	BRL		µg/kg dry	19.9		BRL				40
PCB 1232	BRL		µg/kg dry	19.9		BRL				40
PCB 1242	BRL		µg/kg dry	19.9		BRL				40
PCB 1248	BRL		µg/kg dry	19.9		BRL				40
PCB 1254	BRL		µg/kg dry	19.9		BRL				40
PCB 1260	BRL		µg/kg dry	19.9		BRL				40
PCB 1262	BRL		µg/kg dry	19.9		BRL				40
PCB 1268	10.7	J	µg/kg dry	19.9		10.7			0.5	40
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*21.8*		µg/kg dry		*19.9*		*110*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*12.6*		µg/kg dry		*19.9*		*64*	*30-150*		
Matrix Spike (9011747-MS1) **Source: SA90219-27**										
Prepared: 27-Jan-09 Analyzed: 29-Jan-09										
PCB 1016	250		µg/kg dry	20.4	254	BRL	98	40-140		
PCB 1260	269		µg/kg dry	20.4	254	BRL	106	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*22.1*		µg/kg dry		*20.4*		*108*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*13.2*		µg/kg dry		*20.4*		*65*	*30-150*		
Matrix Spike Dup (9011747-MSD1) **Source: SA90219-27**										
Prepared: 27-Jan-09 Analyzed: 29-Jan-09										
PCB 1016	254		µg/kg dry	20.0	250	BRL	102	40-140	3	50
PCB 1260	285		µg/kg dry	20.0	250	BRL	114	40-140	8	50
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*21.8*		µg/kg dry		*20.0*		*109*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*12.2*		µg/kg dry		*20.0*		*61*	*30-150*		
Batch 9011807 - SW846 3550B										

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9011807 - SW846 3550B										
Blank (9011807-BLK1)										
Prepared: 28-Jan-09 Analyzed: 29-Jan-09										
2,4,5-T	BRL		µg/kg wet	6.70						
2,4,5-T [2C]	BRL		µg/kg wet	6.70						
2,4,5-TP (Silvex)	BRL		µg/kg wet	6.70						
2,4,5-TP (Silvex) [2C]	BRL		µg/kg wet	6.70						
2,4-D	BRL		µg/kg wet	6.70						
2,4-D [2C]	BRL		µg/kg wet	6.70						
2,4-DB	BRL		µg/kg wet	6.70						
2,4-DB [2C]	BRL		µg/kg wet	6.70						
Dalapon	BRL		µg/kg wet	6.70						
Dalapon [2C]	BRL		µg/kg wet	6.70						
Dicamba	BRL		µg/kg wet	6.70						
Dicamba [2C]	BRL		µg/kg wet	6.70						
Dichlorprop	BRL		µg/kg wet	6.70						
Dichlorprop [2C]	BRL		µg/kg wet	6.70						
Dinoseb	BRL		µg/kg wet	6.70						
Dinoseb [2C]	BRL		µg/kg wet	6.70						
MCPA	BRL		µg/kg wet	670						
MCPA [2C]	BRL		µg/kg wet	670						
MCPB	BRL		µg/kg wet	670						
MCPB [2C]	BRL		µg/kg wet	670						
MCPP	BRL		µg/kg wet	670						
MCPP [2C]	BRL		µg/kg wet	670						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*10.7*		µg/kg wet		*13.3*		*80*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [:	*10.3*		µg/kg wet		*13.3*		*77*	*30-150*		
LCS (9011807-BS1)										
Prepared: 28-Jan-09 Analyzed: 29-Jan-09										
2,4,5-T	26.1		µg/kg wet	6.70	33.3		78	40-140		
2,4,5-T [2C]	23.1		µg/kg wet	6.70	33.3		69	40-140		
2,4,5-TP (Silvex)	27.7		µg/kg wet	6.70	33.3		83	40-140		
2,4,5-TP (Silvex) [2C]	25.9		µg/kg wet	6.70	33.3		78	40-140		
2,4-D	27.8		µg/kg wet	6.70	33.3		83	40-140		
2,4-D [2C]	26.1		µg/kg wet	6.70	33.3		78	40-140		
2,4-DB	25.5		µg/kg wet	6.70	33.3		76	40-140		
2,4-DB [2C]	22.5		µg/kg wet	6.70	33.3		67	40-140		
Dalapon	20.8		µg/kg wet	6.70	33.3		62	40-140		
Dalapon [2C]	19.7		µg/kg wet	6.70	33.3		59	40-140		
Dicamba	26.5		µg/kg wet	6.70	33.3		79	40-140		
Dicamba [2C]	24.3		µg/kg wet	6.70	33.3		73	40-140		
Dichlorprop	27.2		µg/kg wet	6.70	33.3		82	40-140		
Dichlorprop [2C]	27.3		µg/kg wet	6.70	33.3		82	40-140		
Dinoseb	28.3		µg/kg wet	6.70	33.3		85	40-140		
Dinoseb [2C]	28.0		µg/kg wet	6.70	33.3		84	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*10.1*		µg/kg wet		*13.3*		*76*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [:	*9.40*		µg/kg wet		*13.3*		*71*	*30-150*		
LCS (9011807-BS2)										
Prepared: 28-Jan-09 Analyzed: 29-Jan-09										
MCPA	10000		µg/kg wet	670	10000		100	40-140		
MCPA [2C]	19900	QC2	µg/kg wet	670	10000		199	40-140		
MCPB	10700		µg/kg wet	670	10000		107	40-140		

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9011807 - SW846 3550B										
LCS (9011807-BS2)										
Prepared: 28-Jan-09 Analyzed: 29-Jan-09										
MCPB [2C]	9730		µg/kg wet	670	10000		97	40-140		
MCPP	10300		µg/kg wet	670	10000		103	40-140		
MCPP [2C]	9530		µg/kg wet	670	10000		95	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*9.40*		µg/kg wet		*13.3*		*71*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [:	*8.80*		µg/kg wet		*13.3*		*66*	*30-150*		
LCS Dup (9011807-BSD1)										
Prepared: 28-Jan-09 Analyzed: 29-Jan-09										
2,4,5-T	28.8		µg/kg wet	6.70	33.3		86	40-140	10	25
2,4,5-T [2C]	25.4		µg/kg wet	6.70	33.3		76	40-140	9	25
2,4,5-TP (Silvex)	28.9		µg/kg wet	6.70	33.3		87	40-140	4	25
2,4,5-TP (Silvex) [2C]	28.4		µg/kg wet	6.70	33.3		85	40-140	9	25
2,4-D	26.1		µg/kg wet	6.70	33.3		78	40-140	6	25
2,4-D [2C]	26.9		µg/kg wet	6.70	33.3		81	40-140	3	25
2,4-DB	28.9		µg/kg wet	6.70	33.3		87	40-140	13	25
2,4-DB [2C]	26.6		µg/kg wet	6.70	33.3		80	40-140	17	25
Dalapon	20.4		µg/kg wet	6.70	33.3		61	40-140	2	25
Dalapon [2C]	21.2		µg/kg wet	6.70	33.3		64	40-140	7	25
Dicamba	28.8		µg/kg wet	6.70	33.3		86	40-140	8	25
Dicamba [2C]	26.1		µg/kg wet	6.70	33.3		78	40-140	7	25
Dichlorprop	30.4		µg/kg wet	6.70	33.3		91	40-140	11	25
Dichlorprop [2C]	29.2		µg/kg wet	6.70	33.3		88	40-140	7	25
Dinoseb	29.8		µg/kg wet	6.70	33.3		89	40-140	5	25
Dinoseb [2C]	30.4		µg/kg wet	6.70	33.3		91	40-140	8	25
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*10.3*		µg/kg wet		*13.3*		*77*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [:	*10.3*		µg/kg wet		*13.3*		*77*	*30-150*		
LCS Dup (9011807-BSD2)										
Prepared: 28-Jan-09 Analyzed: 29-Jan-09										
MCPA	9400		µg/kg wet	670	10000		94	40-140	6	25
MCPA [2C]	19500	QC2	µg/kg wet	670	10000		195	40-140	2	25
MCPB	10000		µg/kg wet	670	10000		100	40-140	6	25
MCPB [2C]	9200		µg/kg wet	670	10000		92	40-140	6	25
MCPP	9200		µg/kg wet	670	10000		92	40-140	11	25
MCPP [2C]	9470		µg/kg wet	670	10000		95	40-140	0.7	25
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*8.73*		µg/kg wet		*13.3*		*66*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [:	*8.80*		µg/kg wet		*13.3*		*66*	*30-150*		
Duplicate (9011807-DUP1) **Source: SA90232-04**										
Prepared: 28-Jan-09 Analyzed: 30-Jan-09										
2,4,5-T	BRL		µg/kg dry	6.70		BRL				30
2,4,5-T [2C]	BRL		µg/kg dry	6.70		BRL				30
2,4,5-TP (Silvex)	BRL		µg/kg dry	6.70		BRL				30
2,4,5-TP (Silvex) [2C]	BRL		µg/kg dry	6.70		BRL				30
2,4-D	BRL		µg/kg dry	6.70		BRL				30
2,4-D [2C]	BRL		µg/kg dry	6.70		BRL				30
2,4-DB	BRL		µg/kg dry	6.70		BRL				30
2,4-DB [2C]	BRL		µg/kg dry	6.70		BRL				30
Dalapon	BRL		µg/kg dry	6.70		BRL				30
Dalapon [2C]	BRL		µg/kg dry	6.70		BRL				30
Dicamba	BRL		µg/kg dry	6.70		BRL				30
Dicamba [2C]	BRL		µg/kg dry	6.70		BRL				30

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9011807 - SW846 3550B										
Duplicate (9011807-DUP1) Source: SA90232-04										
Prepared: 28-Jan-09 Analyzed: 30-Jan-09										
Dichlorprop	BRL		µg/kg dry	6.70		BRL				30
Dichlorprop [2C]	BRL		µg/kg dry	6.70		BRL				30
Dinoseb	BRL		µg/kg dry	6.70		BRL				30
Dinoseb [2C]	BRL		µg/kg dry	6.70		BRL				30
MCPA	BRL		µg/kg dry	670		BRL				30
MCPA [2C]	BRL		µg/kg dry	670		BRL				30
MCPB	BRL		µg/kg dry	670		BRL				30
MCPB [2C]	BRL		µg/kg dry	670		BRL				30
MCPP	BRL		µg/kg dry	670		BRL				30
MCPP [2C]	BRL		µg/kg dry	670		BRL				30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*6.85*		µg/kg dry		*14.6*		*47*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [	*6.42*		µg/kg dry		*14.6*		*44*	*30-150*		
Batch 9021337 - SW846 3535										
Blank (9021337-BLK1)										
Prepared: 19-Feb-09 Analyzed: 20-Feb-09										
Aroclor-1016	BRL		µg/l	0.0200						
Aroclor-1016 [2C]	BRL		µg/l	0.0200						
Aroclor-1221	BRL		µg/l	0.0200						
Aroclor-1221 [2C]	BRL		µg/l	0.0200						
Aroclor-1232	BRL		µg/l	0.0200						
Aroclor-1232 [2C]	BRL		µg/l	0.0200						
Aroclor-1242	BRL		µg/l	0.0200						
Aroclor-1242 [2C]	BRL		µg/l	0.0200						
Aroclor-1248	BRL		µg/l	0.0200						
Aroclor-1248 [2C]	BRL		µg/l	0.0200						
Aroclor-1254	BRL		µg/l	0.0200						
Aroclor-1254 [2C]	BRL		µg/l	0.0200						
Aroclor-1260	BRL		µg/l	0.0200						
Aroclor-1260 [2C]	BRL		µg/l	0.0200						
Aroclor-1262	BRL		µg/l	0.0200						
Aroclor-1262 [2C]	BRL		µg/l	0.0200						
Aroclor-1268	BRL		µg/l	0.0200						
Aroclor-1268 [2C]	BRL		µg/l	0.0200						
Surrogate: Decachlorobiphenyl (Sr)	*0.0101*		µg/l		*0.0200*		*50*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.0134*		µg/l		*0.0200*		*67*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.0164*		µg/l		*0.0200*		*82*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [	*0.0185*		µg/l		*0.0200*		*92*	*30-150*		
LCS (9021337-BS1)										
Prepared: 19-Feb-09 Analyzed: 20-Feb-09										
Aroclor-1016	0.208		µg/l	0.0200	0.250		83	50-140		
Aroclor-1016 [2C]	0.202		µg/l	0.0200	0.250		81	50-140		
Aroclor-1260	0.191		µg/l	0.0200	0.250		76	50-140		
Aroclor-1260 [2C]	0.198		µg/l	0.0200	0.250		79	50-140		
Surrogate: Decachlorobiphenyl (Sr)	*0.00850*		µg/l		*0.0200*		*42*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.0113*		µg/l		*0.0200*		*56*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.0135*		µg/l		*0.0200*		*68*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [	*0.0149*		µg/l		*0.0200*		*74*	*30-150*		
LCS Dup (9021337-BSD1)										
Prepared: 19-Feb-09 Analyzed: 20-Feb-09										

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9021337 - SW846 3535										
LCS Dup (9021337-BSD1)										
Prepared: 19-Feb-09 Analyzed: 20-Feb-09										
Aroclor-1016	0.207		µg/l	0.0200	0.250		83	50-140	0.6	30
Aroclor-1016 [2C]	0.196		µg/l	0.0200	0.250		78	50-140	3	30
Aroclor-1260	0.187		µg/l	0.0200	0.250		75	50-140	2	30
Aroclor-1260 [2C]	0.196		µg/l	0.0200	0.250		78	50-140	1	30
Surrogate: Decachlorobiphenyl (Sr)	*0.00850*		µg/l		*0.0200*		*42*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.0110*		µg/l		*0.0200*		*55*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.0137*		µg/l		*0.0200*		*68*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [:	*0.0148*		µg/l		*0.0200*		*74*	*30-150*		

Extractable Petroleum Hydrocarbons - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9011797 - SW846 3550B										
Blank (9011797-BLK1)										
Prepared: 28-Jan-09 Analyzed: 29-Jan-09										
Gasoline	BRL		mg/kg wet	13.3						
Fuel Oil #2	BRL		mg/kg wet	13.3						
Fuel Oil #4	BRL		mg/kg wet	13.3						
Fuel Oil #6	BRL		mg/kg wet	13.3						
Motor Oil	BRL		mg/kg wet	13.3						
Aviation Fuel	BRL		mg/kg wet	13.3						
Unidentified	BRL		mg/kg wet	13.3						
Other Oil	BRL		mg/kg wet	13.3						
Total Petroleum Hydrocarbons	BRL		mg/kg wet	13.3						
C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg wet	13.3						
Surrogate: 1-Chlorooctadecane	*3.40*		mg/kg wet		*3.33*		*102*	*50-150*		
LCS (9011797-BS1)										
Prepared: 28-Jan-09 Analyzed: 29-Jan-09										
C9-C36 Aliphatic Hydrocarbons	71.5		mg/kg wet	13.3	93.3		77	60-120		
Surrogate: 1-Chlorooctadecane	*2.58*		mg/kg wet		*3.33*		*77*	*50-150*		
Duplicate (9011797-DUP1) **Source: SA90048-04**										
Prepared: 28-Jan-09 Analyzed: 29-Jan-09										
Gasoline	BRL		mg/kg dry	29.0		BRL				50
Fuel Oil #2	BRL		mg/kg dry	29.0		BRL				50
Fuel Oil #4	BRL		mg/kg dry	29.0		BRL				50
Fuel Oil #6	BRL		mg/kg dry	29.0		BRL				50
Motor Oil	BRL		mg/kg dry	29.0		BRL				50
Aviation Fuel	BRL		mg/kg dry	29.0		BRL				50
Unidentified	BRL		mg/kg dry	29.0		BRL				50
Other Oil	BRL		mg/kg dry	29.0		BRL				50
Total Petroleum Hydrocarbons	BRL		mg/kg dry	29.0		BRL				50
C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	29.0		BRL				50
Surrogate: 1-Chlorooctadecane	*3.47*		mg/kg dry		*3.64*		*95*	*50-150*		
Duplicate (9011797-DUP2) **Source: SA90275-01**										
Prepared: 28-Jan-09 Analyzed: 29-Jan-09										
Gasoline	BRL		mg/kg dry	40.7		BRL				50
Fuel Oil #2	BRL		mg/kg dry	40.7		BRL				50
Fuel Oil #4	BRL		mg/kg dry	40.7		BRL				50
Fuel Oil #6	BRL		mg/kg dry	40.7		BRL				50
Motor Oil	BRL		mg/kg dry	40.7		BRL				50
Aviation Fuel	BRL		mg/kg dry	40.7		BRL				50
Unidentified	148	QM4	mg/kg dry	40.7		266			57	50
Other Oil	Calculated as		mg/kg dry	40.7		BRL				50
Total Petroleum Hydrocarbons	148	QM4	mg/kg dry	40.7		266			57	50
C9-C36 Aliphatic Hydrocarbons	148	QM4	mg/kg dry	40.7		266			57	50
Surrogate: 1-Chlorooctadecane	*4.75*		mg/kg dry		*5.10*		*93*	*50-150*		
Matrix Spike (9011797-MS1) **Source: SA90048-04**										
Prepared: 28-Jan-09 Analyzed: 29-Jan-09										
C9-C36 Aliphatic Hydrocarbons	82.1		mg/kg dry	14.6	102	BRL	80	50-150		
Surrogate: 1-Chlorooctadecane	*3.01*		mg/kg dry		*3.65*		*82*	*50-150*		
Matrix Spike Dup (9011797-MSD1) **Source: SA90048-04**										
Prepared: 28-Jan-09 Analyzed: 29-Jan-09										
C9-C36 Aliphatic Hydrocarbons	76.4		mg/kg dry	14.2	99.4	BRL	77	50-150	4	30

Extractable Petroleum Hydrocarbons - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9011797 - SW846 3550B										
Matrix Spike Dup (9011797-MSD1) **Source: SA90048-04**										
Prepared: 28-Jan-09 Analyzed: 29-Jan-09										
Surrogate: 1-Chlorooctadecane	*2.71*		mg/kg dry		*3.55*		*76*	*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 9011604 - SW846 3050B										
Blank (9011604-BLK1)										
Prepared: 26-Jan-09 Analyzed: 27-Jan-09										
Lead	BRL		mg/kg wet	1.41						
Selenium	BRL		mg/kg wet	1.41						
Cadmium	BRL		mg/kg wet	0.471						
Chromium	BRL		mg/kg wet	0.942						
Arsenic	BRL		mg/kg wet	1.41						
Silver	BRL		mg/kg wet	1.41						
Barium	BRL		mg/kg wet	0.942						
Duplicate (9011604-DUP1) Source: SA90212-01										
Prepared: 26-Jan-09 Analyzed: 27-Jan-09										
Selenium	0.803	J	mg/kg dry	1.56		0.741			8	20
Lead	8.16	QR6	mg/kg dry	1.56		6.32			25	20
Chromium	9.56		mg/kg dry	1.04		7.90			19	20
Cadmium	0.547	QR6	mg/kg dry	0.521		0.391			33	20
Silver	BRL		mg/kg dry	1.56		BRL				20
Arsenic	1.91	QR6	mg/kg dry	1.56		1.01			62	20
Barium	43.7	QR6	mg/kg dry	1.04		33.9			25	20
Matrix Spike (9011604-MS1) Source: SA90219-22										
Prepared: 26-Jan-09 Analyzed: 27-Jan-09										
Selenium	121		mg/kg dry	1.48	123	0.706	97	75-125		
Lead	131		mg/kg dry	1.48	123	4.85	102	75-125		
Cadmium	125		mg/kg dry	0.493	123	0.183	101	75-125		
Chromium	131		mg/kg dry	0.986	123	4.36	102	75-125		
Arsenic	118		mg/kg dry	1.48	123	1.16	95	75-125		
Silver	122		mg/kg dry	1.48	123	BRL	99	75-125		
Barium	148		mg/kg dry	0.986	123	17.5	106	75-125		
Matrix Spike Dup (9011604-MSD1) Source: SA90219-22										
Prepared: 26-Jan-09 Analyzed: 27-Jan-09										
Selenium	121		mg/kg dry	1.50	125	0.706	96	75-125	0.3	20
Lead	132		mg/kg dry	1.50	125	4.85	102	75-125	1	20
Cadmium	126		mg/kg dry	0.500	125	0.183	100	75-125	0.3	20
Silver	123		mg/kg dry	1.50	125	BRL	99	75-125	0.7	20
Chromium	131		mg/kg dry	1.00	125	4.36	102	75-125	0.7	20
Arsenic	119		mg/kg dry	1.50	125	1.16	94	75-125	0.9	20
Barium	154		mg/kg dry	1.00	125	17.5	109	75-125	4	20
Post Spike (9011604-PS1) Source: SA90219-22										
Prepared: 26-Jan-09 Analyzed: 27-Jan-09										
Selenium	119		mg/kg dry	1.44	120	0.706	99	80-120		
Lead	127		mg/kg dry	1.44	120	4.85	102	80-120		
Arsenic	116		mg/kg dry	1.44	120	1.16	96	80-120		
Silver	121		mg/kg dry	1.44	120	BRL	101	80-120		
Chromium	129		mg/kg dry	0.961	120	4.36	104	80-120		
Cadmium	123		mg/kg dry	0.480	120	0.183	103	80-120		
Reference (9011604-SRM1)										
Prepared: 26-Jan-09 Analyzed: 27-Jan-09										
Lead	45.5		mg/kg wet	1.50	44.0		104	78.8-120.9		
Selenium	143		mg/kg wet	1.50	146		98	76.6-123.1		
Silver	15.2		mg/kg wet	1.50	15.4		99	66.4-133.6		

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 9011604 - SW846 3050B										
Reference (9011604-SRM1)										
Prepared: 26-Jan-09 Analyzed: 27-Jan-09										
Chromium	122		mg/kg wet	1.00	121		101	79.7-120.3		
Cadmium	30.7		mg/kg wet	0.500	31.0		99	80.9-119.3		
Arsenic	51.6		mg/kg wet	1.50	53.2		97	77.6-123.1		
Barium	108		mg/kg wet	1.00	101		107	79.8-119.7		
Reference (9011604-SRM2)										
Prepared: 26-Jan-09 Analyzed: 27-Jan-09										
Lead	44.8		mg/kg wet	1.50	43.9		102	78.8-120.9		
Selenium	146		mg/kg wet	1.50	146		100	76.6-123.1		
Chromium	124		mg/kg wet	1.00	121		102	79.7-120.3		
Silver	15.5		mg/kg wet	1.50	15.4		101	66.4-133.6		
Cadmium	30.8		mg/kg wet	0.500	31.0		99	80.9-119.3		
Arsenic	52.0		mg/kg wet	1.50	53.1		98	77.6-123.1		
Barium	107		mg/kg wet	1.00	101		106	79.8-119.7		
Batch 9011605 - EPA200/SW7000 Series										
Blank (9011605-BLK1)										
Prepared: 26-Jan-09 Analyzed: 27-Jan-09										
Mercury	BRL		mg/kg wet	0.0289						
Duplicate (9011605-DUP1) Source: SA90212-01										
Prepared: 26-Jan-09 Analyzed: 27-Jan-09										
Mercury	0.0215	J	mg/kg dry	0.0286		0.0192			11	20
Matrix Spike (9011605-MS1) Source: SA90219-22										
Prepared: 26-Jan-09 Analyzed: 27-Jan-09										
Mercury	0.489		mg/kg dry	0.0300	0.416	BRL	117	75-125		
Matrix Spike Dup (9011605-MSD1) Source: SA90219-22										
Prepared: 26-Jan-09 Analyzed: 27-Jan-09										
Mercury	0.470		mg/kg dry	0.0297	0.413	BRL	114	75-125	4	20
Reference (9011605-SRM1)										
Prepared: 26-Jan-09 Analyzed: 27-Jan-09										
Mercury	2.44		mg/kg wet	0.0300	2.19		111	71.7-128.8		

TCLP Metals by EPA 1311 & 6000/7000 Series Methods - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9020466 - SW846 3010A										
Blank (9020466-BLK1)										
Prepared: 06-Feb-09 Analyzed: 07-Feb-09										
Lead	BRL		mg/l	0.0150						
LCS (9020466-BS1)										
Prepared: 06-Feb-09 Analyzed: 07-Feb-09										
Lead	2.24		mg/l	0.0150	2.50		90	85-115		
LCS Dup (9020466-BSD1)										
Prepared: 06-Feb-09 Analyzed: 07-Feb-09										
Lead	2.21		mg/l	0.0150	2.50		88	85-115	1	20
Duplicate (9020466-DUP1) Source: SA90607-03										
Prepared: 06-Feb-09 Analyzed: 07-Feb-09										
Lead	0.0183		mg/l	0.0150		0.0192			5	20
Matrix Spike (9020466-MS1) Source: SA90653-01										
Prepared: 06-Feb-09 Analyzed: 07-Feb-09										
Lead	2.19		mg/l	0.0150	2.50	0.0179	87	75-125		
Matrix Spike Dup (9020466-MSD1) Source: SA90653-01										
Prepared: 06-Feb-09 Analyzed: 07-Feb-09										
Lead	2.21		mg/l	0.0150	2.50	0.0179	88	75-125	1	20
Post Spike (9020466-PS1) Source: SA90653-01										
Prepared: 06-Feb-09 Analyzed: 07-Feb-09										
Lead	2.19		mg/l	0.0150	2.50	0.0179	87	75-125		

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 9020464 - SW846 3010A										
Blank (9020464-BLK1)										
Prepared: 06-Feb-09 Analyzed: 09-Feb-09										
Lead	BRL		mg/l	0.0150						
Arsenic	BRL		mg/l	0.0080						
Chromium	BRL		mg/l	0.0100						
Barium	BRL		mg/l	0.0100						
LCS (9020464-BS1)										
Prepared: 06-Feb-09 Analyzed: 07-Feb-09										
Lead	2.45		mg/l	0.0150	2.50		98	85-115		
Chromium	2.49		mg/l	0.0100	2.50		100	85-115		
Arsenic	2.44		mg/l	0.0080	2.50		98	85-115		
Barium	2.47		mg/l	0.0100	2.50		99	85-115		
LCS Dup (9020464-BSD1)										
Prepared: 06-Feb-09 Analyzed: 07-Feb-09										
Lead	2.45		mg/l	0.0150	2.50		98	85-115	0.1	20
Chromium	2.48		mg/l	0.0100	2.50		99	85-115	0.1	20
Arsenic	2.44		mg/l	0.0080	2.50		98	85-115	0.2	20
Barium	2.47		mg/l	0.0100	2.50		99	85-115	0	20
Duplicate (9020464-DUP1) Source: SA90179-01										
Prepared: 06-Feb-09 Analyzed: 07-Feb-09										
Lead	BRL		mg/l	0.0150		BRL				20
Arsenic	BRL		mg/l	0.0080		BRL				20
Chromium	BRL		mg/l	0.0100		BRL				20
Barium	0.0351		mg/l	0.0100		0.0298			16	20
Matrix Spike (9020464-MS1) Source: SA90067-02										
Prepared: 06-Feb-09 Analyzed: 07-Feb-09										
Lead	2.45		mg/l	0.0150	2.50	BRL	98	75-125		
Chromium	2.49		mg/l	0.0100	2.50	BRL	99	75-125		
Arsenic	2.47		mg/l	0.0080	2.50	BRL	99	75-125		
Barium	2.56		mg/l	0.0100	2.50	0.0723	100	75-125		
Matrix Spike Dup (9020464-MSD1) Source: SA90067-02										
Prepared: 06-Feb-09 Analyzed: 07-Feb-09										
Lead	2.44		mg/l	0.0150	2.50	BRL	97	75-125	0.7	20
Chromium	2.47		mg/l	0.0100	2.50	BRL	99	75-125	0.5	20
Arsenic	2.44		mg/l	0.0080	2.50	BRL	98	75-125	1	20
Barium	2.54		mg/l	0.0100	2.50	0.0723	99	75-125	0.9	20
Post Spike (9020464-PS1) Source: SA90067-02										
Prepared: 06-Feb-09 Analyzed: 07-Feb-09										
Lead	2.49		mg/l	0.0150	2.50	BRL	100	75-125		
Chromium	2.52		mg/l	0.0100	2.50	BRL	101	75-125		
Arsenic	2.48		mg/l	0.0080	2.50	BRL	99	75-125		
Barium	2.59		mg/l	0.0100	2.50	0.0723	101	75-125		

General Chemistry Parameters - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9011632 - General Preparation										
Duplicate (9011632-DUP1)	**Source: SA90232-03**									
Prepared & Analyzed: 26-Jan-09										
% Solids	74.8		%			86.9			15	20
Batch 9011633 - General Preparation										
Duplicate (9011633-DUP1)	**Source: SA90232-04**									
Prepared & Analyzed: 26-Jan-09										
% Solids	89.0		%			89.5			0.5	20

Notes and Definitions

E	The concentration indicated for this analyte is an estimated value. This value is considered an estimate (CLP E-flag).
O09	This sample was analyzed outside the EPA recommended holding time per client request.
QC1	Analyte out of acceptance range.
QC2	Analyte out of acceptance range in QC spike but no reportable concentration present in sample.
QM4	Visual evaluation of the sample indicates the RPD is above the control limit due to a non-homogeneous sample matrix.
QR6	The RPD exceeded the QC control limits; however precision is demonstrated with acceptable RPD values for MS/MSD.
S02	The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.
V11	Analyte concentration confirmed by duplicate analysis.
VC10	The VOC preserved soil sample is not within the 1:1 weight to volume ratio as recommended by SW846 methods 5030 and 5035 but may be within the 1:1 volume to volume ratio. This variance may affect the final reporting limit.
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
Rebecca Merz

SA 90232 UK

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CHAIN OF CUSTODY RECORD

Page 1 of 1

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.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Tetra Tech Rizzo
150 Trumbull St. 4th fl.
Hartford, CT 06103

Project Mgr.: David Brassard

Invoice To: DAS XX 44236

P.O. No.: _____ RQN: _____

Project No.: 127-17797-08011
Site Name: Hartford
Location: Hartford State: CT
Sampler(s): Patrick de Paula

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= _____ 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

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

QA/QC Reporting Level
- [x] Standard
- [ ] No QC
- [ ] Other _____

*State specific reporting standards: CT

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	VOC 8260	SVOC 8270	CT ETPH	PCB 8080	Herbicides 8151	Total RCRA 8 Metals
01	RSB-B44	1/22/09	900	G	SO	7	3	2			X	X	X	X	X	X
02	RSB-D3		820													
03	RSB-D13		945													
04	RSB-D14		1215													
05	RSB-D15		1030													
06	RSB-D17		1100													
07	RSB-D18		1150	G	SO	7	3	2			X	X	X	X	X	X

- [ ] Fax results when available to (____) _____
- [x] E-mail to patrick.depaula@tetratech.com
EDD Format _____

Condition upon receipt: [ ] Iced [ ] Ambient [x] C 4.9

Relinquished by:	Received by:	Date:	Time:
Patrick de Paula	Michael Gardner	1-23-09	12:25
Michael Gardner	N Drumm	1/23/09	1512

Fridge

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CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:
☒ Standard TAT - 7 to 10 business days
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150 Trumbull St. 4th Fl.
Hartford, CT 06103

Project Mgr.: David Brassard

Invoice To: DAS XX 44236

P.O. No.: _____ RQN: _____

Project No.: 127-17797-08011
Site Name: Hartford
Location: Hartford State: CT
Sampler(s): Patrick de Paula

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=_____ 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

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

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

State specific reporting standards: CT

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	SPLP Ba, Pb	VOC 8260	SVOC 8270	CT ETPH	PCB 8080	Herbicides 8151	Total RCRA 8 Metals	TCLP Pb	SPLP As, Cr	Analyses:
01	RSB-B44	1/22/09	900	G	SO	7	3	2				X	X	X	X	X	X			added Parameter
02	RSB-D3		820															X		request 2/4
03	RSB-D13		945								X							X	X	
04	RSB-D14		1215																X	
05	RSB-D15		1030																	
06	RSB-D17		1100																X	
07	RSB-D18		1150	G	SO	7	3	2				X	X	X	X	X	X			

☐ Fax results when available to (____)
☒ E-mail to patrick.depaula@tetratech.com
EDD Format _____

Condition upon receipt: ☐ Iced ☐ Ambient 4°C 4.9

Relinquished by:	Received by:	Date:	Time:
Patrick de Paula	Michael Graham	1-23-09	12:25
Michael Graham	N Dumville	1/23/09	1512

Fabre

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SPECTRUM ANALYTICAL, INC.
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CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling: 0
- ☒ Standard TAT - 7 to 10 business days
- ☐ Rush TAT - Date Needed: _____
- All TATs subject to laboratory approval. Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Tetra Tech Rizzo
150 Trumbull St. 4th
Hartford, CT 06103

Project Mgr.: David Brassard

Invoice To: DAS XX 44236

P.O. No.: _____ RQN: _____

Project No.: 127-17797-08011
Site Name: Hartford
Location: Hartford State: CT
Sampler(s): Patrick de Paula

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= _____ 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

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

QA/QC Reporting Level: ☒ Standard ☐ No QC ☐ Other: _____
* State specific reporting standards: CT

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	SPLP Ba, Pb	VOC 8260	SVOC 8270	CT ETPH	PCB 8080	Herbicides 8151	Total RCRA Metals	TCLP Pb	SPLP As, Ca	QA Reporting Notes
0308-01	RSB-B44	1/22/09	900	G	SO	7	3	2				X	X	X	X	X	X			added Pachia 0
02	RSB-D3		820															X		request 2/4
03	RSB-D13		945								X							X	X	
04	RSB-D14		1215																X	* SPLP Pb added 2/17
05	RSB-D15		1030																	
06	RSB-D17		1100																X	
07	RSB-D18		1150	G	SO	7	3	2				X	X	X	X	X	X			

☐ Fax results when available to (____)
☒ E-mail to patrick.depaula@tetratech.com
EDD Format _____
Condition upon receipt: ☐ Iced ☐ Ambient ☑ C 4.9

Relinquished by:	Received by:	Date:	Time:
Patrick de Paula	Michael Graham	1-23-09	12:25
Michael Graham	[illegible]	1/23/09	1512

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Report Date:
03-Feb-09 16:44

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
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Laboratory Report

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

Project: Hartford Busway - Hartford, CT
Project 127-17797-08011

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SA90344-01	RSB-D19	Soil	23-Jan-09 08:30	27-Jan-09 15:15
SA90344-02	RSB-D20	Soil	23-Jan-09 09:00	27-Jan-09 15:15
SA90344-03	RSB-D21	Soil	23-Jan-09 09:30	27-Jan-09 15:15
SA90344-04	RSB-D16	Soil	23-Jan-09 10:50	27-Jan-09 15:15
SA90344-05	RSB-A50	Soil	23-Jan-09 13:13	27-Jan-09 15:15

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.
All applicable NELAC requirements have been met.

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 55 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).

CASE NARRATIVE:

The samples were received 6.0 degrees Celsius, please refer to the Chain of Custody for details specific to temperature upon receipt. An infrared thermometer with a tolerance of +/- 2.0 degrees Celsius was used immediately upon receipt of the samples.

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

SW846 6010B

Spikes:

9011820-MS1 *Source: SA90344-01*

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 or SRM recoveries within the control limits.

Barium

Duplicates:

9011820-DUP1 *Source: SA90325-13*

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.

Arsenic

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

Cadmium
Lead

SW846 7471A

Duplicates:

9011823-DUP1 *Source: SA90325-13*

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.

Mercury

SW846 8260B

SW846 8260B

Laboratory Control Samples:

9011897-BS1

Analyte out of acceptance range.

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

9011897-BSD1

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.

Ethanol

9020047-BS1

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

1,2-Dibromo-3-chloropropane
2,2-Dichloropropane
Ethyl tert-butyl ether
trans-1,3-Dichloropropene

Analyte out of acceptance range.

1,1,2-Trichlorotrifluoroethane (Freon 113)
Tert-amyl methyl ether

9020047-BSD1

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

1,2-Dibromo-3-chloropropane
2,2-Dichloropropane
Ethyl tert-butyl ether
trans-1,3-Dichloropropene

Spikes:

9020047-MSD1 *Source: SA90344-01RE1*

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

Samples:

SA90344-04 *RSB-D16*

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

SW846 8270C

Laboratory Control Samples:

9012003-BS1

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

Aniline

SW846 8270C

Samples:

SA90344-03 *RSB-D21*

Elevated Reporting Limits due to the presence of high levels of non-target analytes.

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-D19 SA90344-01	127-17797-08011	Soil	23-Jan-09 08:30	27-Jan-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	28-Jan-09	28-Jan-09	9011833	
Volatile Organic Compounds											
Prepared by method SW846 5035A Soil (low level)					Initial weight: 5.94 g						
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	5.2	1	SW846 8260B	29-Jan-09	29-Jan-09	9011897	X
67-64-1	Acetone	BRL		µg/kg dry	51.6	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	10.3	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	51.6	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	25.8	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	10.3	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	5.2	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	10.3	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	10.3	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)	3,520	E	µg/kg dry	10.3	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	51.6	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	51.6	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	51.6	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	5.2	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-D19 SA90344-01	127-17797-08011	Soil	23-Jan-09 08:30	27-Jan-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: 5.94 g						
103-65-1	n-Propylbenzene	BRL		µg/kg dry	5.2	1	SW846 8260B	29-Jan-09	29-Jan-09	9011897	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	10.3	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	5.2	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	51.6	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	51.6	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	103	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	25.8	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	2060	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*86*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*92*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*119*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*102*		*70-130 %*			"	"	"	"	
Re-analysis of Volatile Organic Compounds											
75-71-8	Dichlorodifluoromethane (Freon12)	775		µg/kg dry	114	50	SW846 8260B	02-Feb-09	02-Feb-09	9020047	X
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*101*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*107*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*101*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*100*		*70-130 %*			"	"	"	"	
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
83-32-9	Acenaphthene	BRL		µg/kg dry	358	1	SW846 8270C	30-Jan-09	01-Feb-09	9012003	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	358	1	"	"	"	"	X
62-53-3	Aniline	BRL		µg/kg dry	358	1	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	358	1	"	"	"	"	X
1912-24-9	Atrazine	BRL		µg/kg dry	358	1	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/kg dry	358	1	"	"	"	"	
92-87-5	Benzidine	BRL		µg/kg dry	358	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-D19 SA90344-01	127-17797-08011	Soil	23-Jan-09 08:30	27-Jan-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 3550B											
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	358	1	SW846 8270C	30-Jan-09	01-Feb-09	9012003	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	358	1	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	358	1	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	358	1	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	358	1	"	"	"	"	X
65-85-0	Benzoic acid	BRL		µg/kg dry	358	1	"	"	"	"	X
100-51-6	Benzyl alcohol	BRL		µg/kg dry	358	1	"	"	"	"	X
111-91-1	Bis(2-chloroethoxy)methane	BRL		µg/kg dry	358	1	"	"	"	"	X
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/kg dry	358	1	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	358	1	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	358	1	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/kg dry	358	1	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	BRL		µg/kg dry	358	1	"	"	"	"	X
86-74-8	Carbazole	BRL		µg/kg dry	358	1	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	BRL		µg/kg dry	358	1	"	"	"	"	X
106-47-8	4-Chloroaniline	BRL		µg/kg dry	358	1	"	"	"	"	X
91-58-7	2-Chloronaphthalene	BRL		µg/kg dry	358	1	"	"	"	"	X
95-57-8	2-Chlorophenol	BRL		µg/kg dry	358	1	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/kg dry	358	1	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	358	1	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	358	1	"	"	"	"	X
132-64-9	Dibenzofuran	BRL		µg/kg dry	358	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	358	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	358	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	358	1	"	"	"	"	X
91-94-1	3,3'-Dichlorobenzidine	BRL		µg/kg dry	358	1	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	BRL		µg/kg dry	358	1	"	"	"	"	X
84-66-2	Diethyl phthalate	BRL		µg/kg dry	358	1	"	"	"	"	X
131-11-3	Dimethyl phthalate	BRL		µg/kg dry	358	1	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	BRL		µg/kg dry	358	1	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	BRL		µg/kg dry	358	1	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	358	1	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	BRL		µg/kg dry	358	1	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	BRL		µg/kg dry	358	1	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	BRL		µg/kg dry	358	1	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	BRL		µg/kg dry	358	1	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	358	1	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	358	1	"	"	"	"	X
118-74-1	Hexachlorobenzene	BRL		µg/kg dry	358	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	358	1	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	BRL		µg/kg dry	358	1	"	"	"	"	X
67-72-1	Hexachloroethane	BRL		µg/kg dry	358	1	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	358	1	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	358	1	"	"	"	"	
78-59-1	Isophorone	BRL		µg/kg dry	358	1	"	"	"	"	X
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	358	1	"	"	"	"	X
95-48-7	2-Methylphenol	BRL		µg/kg dry	358	1	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	BRL		µg/kg dry	358	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	358	1	"	"	"	"	X
88-74-4	2-Nitroaniline	BRL		µg/kg dry	358	1	"	"	"	"	X

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RSB-D19 SA90344-01	127-17797-08011	Soil	23-Jan-09 08:30	27-Jan-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 3550B											
99-09-2	3-Nitroaniline	BRL		µg/kg dry	358	1	SW846 8270C	30-Jan-09	01-Feb-09	9012003	X
100-01-6	4-Nitroaniline	BRL		µg/kg dry	1430	1	"	"	"	"	X
98-95-3	Nitrobenzene	BRL		µg/kg dry	358	1	"	"	"	"	X
88-75-5	2-Nitrophenol	BRL		µg/kg dry	358	1	"	"	"	"	X
100-02-7	4-Nitrophenol	BRL		µg/kg dry	1430	1	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	BRL		µg/kg dry	358	1	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/kg dry	358	1	"	"	"	"	X
86-30-6	N-Nitrosodiphenylamine	BRL		µg/kg dry	358	1	"	"	"	"	X
87-86-5	Pentachlorophenol	BRL		µg/kg dry	358	1	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	358	1	"	"	"	"	X
108-95-2	Phenol	BRL		µg/kg dry	358	1	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	358	1	"	"	"	"	X
110-86-1	Pyridine	BRL		µg/kg dry	358	1	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	358	1	"	"	"	"	X
95-95-4	2,4,5-Trichlorophenol	BRL		µg/kg dry	358	1	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	BRL		µg/kg dry	358	1	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	BRL		µg/kg dry	358	1	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	358	1	"	"	"	"	X
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*68*		*30-130 %*			"	"	"	"	
367-12-4	*2-Fluorophenol*	*60*		*15-110 %*			"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*65*		*30-130 %*			"	"	"	"	
4165-62-2	*Phenol-d5*	*55*		*15-110 %*			"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*58*		*30-130 %*			"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*58*		*15-110 %*			"	"	"	"	
Semivolatile Organic Compounds by GC											
Polychlorinated Biphenyls by SW846 8082											
Prepared by method SW846 3550B											
12674-11-2	PCB 1016	BRL		µg/kg dry	21.5	1	SW846 8082	30-Jan-09	01-Feb-09	9012042	X
11104-28-2	PCB 1221	BRL		µg/kg dry	21.5	1	"	"	"	"	X
11141-16-5	PCB 1232	BRL		µg/kg dry	21.5	1	"	"	"	"	X
53469-21-9	PCB 1242	BRL		µg/kg dry	21.5	1	"	"	"	"	X
12672-29-6	PCB 1248	BRL		µg/kg dry	21.5	1	"	"	"	"	X
11097-69-1	PCB 1254	BRL		µg/kg dry	21.5	1	"	"	"	"	X
11096-82-5	PCB 1260	BRL		µg/kg dry	21.5	1	"	"	"	"	X
37324-23-5	PCB 1262	BRL		µg/kg dry	21.5	1	"	"	"	"	X
11100-14-4	PCB 1268	BRL		µg/kg dry	21.5	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*95*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*53*		*30-150 %*			"	"	"	"	
Chlorinated Herbicides by SW846 8151A											
Prepared by method SW846 3550B											
93-76-5	2,4,5-T	BRL		µg/kg dry	6.70	1	SW846 8151A	02-Feb-09	03-Feb-09	9020015	X
93-72-1	2,4,5-TP (Silvex)	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-75-7	2,4-D	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-82-6	2,4-DB	BRL		µg/kg dry	6.70	1	"	"	"	"	X
75-99-0	Dalapon	BRL		µg/kg dry	6.70	1	"	"	"	"	X
1918-00-9	Dicamba	BRL		µg/kg dry	6.70	1	"	"	"	"	X
120-36-5	Dichlorprop	BRL		µg/kg dry	6.70	1	"	"	"	"	X
88-85-7	Dinoseb	BRL		µg/kg dry	6.70	1	"	"	"	"	X

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-D19 SA90344-01	127-17797-08011	Soil	23-Jan-09 08:30	27-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GC											
Chlorinated Herbicides by SW846 8151A											
Prepared by method SW846 3550B											
94-74-6	MCPA	BRL		µg/kg dry	670	1	SW846 8151A	02-Feb-09	03-Feb-09	9020015	X
94-81-5	MCPB	BRL		µg/kg dry	670	1	"	"	"	"	
93-65-2	MCPP	BRL		µg/kg dry	670	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*69*		*30-150 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3550B											
8006-61-9	Gasoline	BRL		mg/kg dry	14.4	1	+CT ETPH	30-Jan-09	02-Feb-09	9012000	
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	BRL		mg/kg dry	14.4	1	"	"	"	"	
	Other Oil	BRL		mg/kg dry	14.4	1	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL		mg/kg dry	14.4	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	14.4	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*79*		*50-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	BRL		mg/kg dry	1.57	1	SW846 6010B	28-Jan-09	29-Jan-09	9011820	X
7440-38-2	Arsenic	2.44		mg/kg dry	1.57	1	"	"	"	"	X
7440-39-3	Barium	225		mg/kg dry	1.04	1	"	"	"	"	X
7440-43-9	Cadmium	0.522		mg/kg dry	0.522	1	"	"	"	"	X
7440-47-3	Chromium	16.9		mg/kg dry	1.04	1	"	"	"	"	X
7439-97-6	Mercury	BRL		mg/kg dry	0.0303	1	SW846 7471A	"	29-Jan-09	9011823	X
7439-92-1	Lead	8.96		mg/kg dry	1.57	1	SW846 6010B	"	29-Jan-09	9011820	X
7782-49-2	Selenium	BRL		mg/kg dry	1.57	1	"	"	"	"	X
General Chemistry Parameters											
	% Solids	90.7		%		1	SM2540 G Mod.	28-Jan-09	28-Jan-09	9011836	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-D20 SA90344-02	127-17797-08011	Soil	23-Jan-09 09:00	27-Jan-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	28-Jan-09	28-Jan-09	9011833	
Volatile Organic Compounds											
Prepared by method SW846 5035A Soil (low level)					Initial weight: 5.55 g						
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	5.6	1	SW846 8260B	29-Jan-09	29-Jan-09	9011897	X
67-64-1	Acetone	BRL		µg/kg dry	56.4	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	5.6	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	5.6	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	5.6	1	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	5.6	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	5.6	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	5.6	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	11.3	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	56.4	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	5.6	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	5.6	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	5.6	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	28.2	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	5.6	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	5.6	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	11.3	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	5.6	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	11.3	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	5.6	1	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	5.6	1	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	11.3	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	5.6	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	5.6	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	5.6	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	5.6	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	5.6	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	5.6	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	6,240	E	µg/kg dry	11.3	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	5.6	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	5.6	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	5.6	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	5.6	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	5.6	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	5.6	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	5.6	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	5.6	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	5.6	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	5.6	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	5.6	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	5.6	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	5.6	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	56.4	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	5.6	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	5.6	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	5.6	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	56.4	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	56.4	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	5.6	1	"	"	"	"	X

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-D20 SA90344-02	127-17797-08011	Soil	23-Jan-09 09:00	27-Jan-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: 5.55 g						
103-65-1	n-Propylbenzene	BRL		µg/kg dry	5.6	1	SW846 8260B	29-Jan-09	29-Jan-09	9011897	X
100-42-5	Styrene	BRL		µg/kg dry	5.6	1	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	5.6	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	5.6	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	5.6	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	5.6	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	5.6	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	5.6	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	5.6	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	5.6	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	5.6	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	5.6	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	5.6	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	5.6	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	5.6	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	5.6	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	5.6	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	11.3	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	5.6	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	56.4	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	5.6	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	5.6	1	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	5.6	1	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	5.6	1	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	56.4	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	113	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	28.2	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	2260	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*86*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*93*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*121*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*102*		*70-130 %*			"	"	"	"	
Re-analysis of Volatile Organic Compounds											
75-71-8	Dichlorodifluoromethane (Freon12)	2,780		µg/kg dry	121	50	SW846 8260B	02-Feb-09	02-Feb-09	9020047	X
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*101*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*106*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*102*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*99*		*70-130 %*			"	"	"	"	
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
83-32-9	Acenaphthene	BRL		µg/kg dry	369	1	SW846 8270C	30-Jan-09	01-Feb-09	9012003	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	369	1	"	"	"	"	X
62-53-3	Aniline	BRL		µg/kg dry	369	1	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	369	1	"	"	"	"	X
1912-24-9	Atrazine	BRL		µg/kg dry	369	1	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/kg dry	369	1	"	"	"	"	
92-87-5	Benzidine	BRL		µg/kg dry	369	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-D20	127-17797-08011	Soil	23-Jan-09 09:00	27-Jan-09
SA90344-02				

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 3550B											
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	369	1	SW846 8270C	30-Jan-09	01-Feb-09	9012003	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	369	1	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	369	1	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	369	1	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	369	1	"	"	"	"	X
65-85-0	Benzoic acid	BRL		µg/kg dry	369	1	"	"	"	"	X
100-51-6	Benzyl alcohol	BRL		µg/kg dry	369	1	"	"	"	"	X
111-91-1	Bis(2-chloroethoxy)methane	BRL		µg/kg dry	369	1	"	"	"	"	X
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/kg dry	369	1	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	369	1	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	369	1	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/kg dry	369	1	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	BRL		µg/kg dry	369	1	"	"	"	"	X
86-74-8	Carbazole	BRL		µg/kg dry	369	1	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	BRL		µg/kg dry	369	1	"	"	"	"	X
106-47-8	4-Chloroaniline	BRL		µg/kg dry	369	1	"	"	"	"	X
91-58-7	2-Chloronaphthalene	BRL		µg/kg dry	369	1	"	"	"	"	X
95-57-8	2-Chlorophenol	BRL		µg/kg dry	369	1	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/kg dry	369	1	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	369	1	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	369	1	"	"	"	"	X
132-64-9	Dibenzofuran	BRL		µg/kg dry	369	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	369	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	369	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	369	1	"	"	"	"	X
91-94-1	3,3'-Dichlorobenzidine	BRL		µg/kg dry	369	1	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	BRL		µg/kg dry	369	1	"	"	"	"	X
84-66-2	Diethyl phthalate	BRL		µg/kg dry	369	1	"	"	"	"	X
131-11-3	Dimethyl phthalate	BRL		µg/kg dry	369	1	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	BRL		µg/kg dry	369	1	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	BRL		µg/kg dry	369	1	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	369	1	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	BRL		µg/kg dry	369	1	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	BRL		µg/kg dry	369	1	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	BRL		µg/kg dry	369	1	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	BRL		µg/kg dry	369	1	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	369	1	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	369	1	"	"	"	"	X
118-74-1	Hexachlorobenzene	BRL		µg/kg dry	369	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	369	1	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	BRL		µg/kg dry	369	1	"	"	"	"	X
67-72-1	Hexachloroethane	BRL		µg/kg dry	369	1	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	369	1	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	369	1	"	"	"	"	
78-59-1	Isophorone	BRL		µg/kg dry	369	1	"	"	"	"	X
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	369	1	"	"	"	"	X
95-48-7	2-Methylphenol	BRL		µg/kg dry	369	1	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	BRL		µg/kg dry	369	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	369	1	"	"	"	"	X
88-74-4	2-Nitroaniline	BRL		µg/kg dry	369	1	"	"	"	"	X

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-D20 SA90344-02	127-17797-08011	Soil	23-Jan-09 09:00	27-Jan-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 3550B											
99-09-2	3-Nitroaniline	BRL		µg/kg dry	369	1	SW846 8270C	30-Jan-09	01-Feb-09	9012003	X
100-01-6	4-Nitroaniline	BRL		µg/kg dry	1470	1	"	"	"	"	X
98-95-3	Nitrobenzene	BRL		µg/kg dry	369	1	"	"	"	"	X
88-75-5	2-Nitrophenol	BRL		µg/kg dry	369	1	"	"	"	"	X
100-02-7	4-Nitrophenol	BRL		µg/kg dry	1470	1	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	BRL		µg/kg dry	369	1	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/kg dry	369	1	"	"	"	"	X
86-30-6	N-Nitrosodiphenylamine	BRL		µg/kg dry	369	1	"	"	"	"	X
87-86-5	Pentachlorophenol	BRL		µg/kg dry	369	1	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	369	1	"	"	"	"	X
108-95-2	Phenol	BRL		µg/kg dry	369	1	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	369	1	"	"	"	"	X
110-86-1	Pyridine	BRL		µg/kg dry	369	1	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	369	1	"	"	"	"	X
95-95-4	2,4,5-Trichlorophenol	BRL		µg/kg dry	369	1	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	BRL		µg/kg dry	369	1	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	BRL		µg/kg dry	369	1	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	369	1	"	"	"	"	X
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*64*		*30-130 %*			"	"	"	"	
367-12-4	*2-Fluorophenol*	*59*		*15-110 %*			"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*61*		*30-130 %*			"	"	"	"	
4165-62-2	*Phenol-d5*	*51*		*15-110 %*			"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*57*		*30-130 %*			"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*54*		*15-110 %*			"	"	"	"	
Semivolatile Organic Compounds by GC											
Polychlorinated Biphenyls by SW846 8082											
Prepared by method SW846 3550B											
12674-11-2	PCB 1016	BRL		µg/kg dry	21.1	1	SW846 8082	30-Jan-09	01-Feb-09	9012042	X
11104-28-2	PCB 1221	BRL		µg/kg dry	21.1	1	"	"	"	"	X
11141-16-5	PCB 1232	BRL		µg/kg dry	21.1	1	"	"	"	"	X
53469-21-9	PCB 1242	BRL		µg/kg dry	21.1	1	"	"	"	"	X
12672-29-6	PCB 1248	BRL		µg/kg dry	21.1	1	"	"	"	"	X
11097-69-1	PCB 1254	BRL		µg/kg dry	21.1	1	"	"	"	"	X
11096-82-5	PCB 1260	BRL		µg/kg dry	21.1	1	"	"	"	"	X
37324-23-5	PCB 1262	BRL		µg/kg dry	21.1	1	"	"	"	"	X
11100-14-4	PCB 1268	BRL		µg/kg dry	21.1	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*91*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*53*		*30-150 %*			"	"	"	"	
Chlorinated Herbicides by SW846 8151A											
Prepared by method SW846 3550B											
93-76-5	2,4,5-T	BRL		µg/kg dry	6.70	1	SW846 8151A	02-Feb-09	03-Feb-09	9020015	X
93-72-1	2,4,5-TP (Silvex)	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-75-7	2,4-D	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-82-6	2,4-DB	BRL		µg/kg dry	6.70	1	"	"	"	"	X
75-99-0	Dalapon	BRL		µg/kg dry	6.70	1	"	"	"	"	X
1918-00-9	Dicamba	BRL		µg/kg dry	6.70	1	"	"	"	"	X
120-36-5	Dichlorprop	BRL		µg/kg dry	6.70	1	"	"	"	"	X
88-85-7	Dinoseb	BRL		µg/kg dry	6.70	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-D20 SA90344-02	127-17797-08011	Soil	23-Jan-09 09:00	27-Jan-09

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC											
Chlorinated Herbicides by SW846 8151A											
Prepared by method SW846 3550B											
94-74-6	MCPA	BRL		µg/kg dry	670	1	SW846 8151A	02-Feb-09	03-Feb-09	9020015	X
94-81-5	MCPB	BRL		µg/kg dry	670	1	"	"	"	"	
93-65-2	MCPP	BRL		µg/kg dry	670	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*77*		*30-150 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3550B											
8006-61-9	Gasoline	BRL		mg/kg dry	14.9	1	+CT ETPH	30-Jan-09	02-Feb-09	9012000	
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	BRL		mg/kg dry	14.9	1	"	"	"	"	
	Other Oil	BRL		mg/kg dry	14.9	1	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL		mg/kg dry	14.9	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	14.9	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*78*		*50-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	BRL		mg/kg dry	1.53	1	SW846 6010B	28-Jan-09	29-Jan-09	9011820	X
7440-38-2	Arsenic	BRL		mg/kg dry	1.53	1	"	"	"	"	X
7440-39-3	Barium	115		mg/kg dry	1.02	1	"	"	"	"	X
7440-43-9	Cadmium	BRL		mg/kg dry	0.509	1	"	"	"	"	X
7440-47-3	Chromium	17.0		mg/kg dry	1.02	1	"	"	"	"	X
7439-97-6	Mercury	BRL		mg/kg dry	0.0327	1	SW846 7471A	"	29-Jan-09	9011823	X
7439-92-1	Lead	8.16		mg/kg dry	1.53	1	SW846 6010B	"	29-Jan-09	9011820	X
7782-49-2	Selenium	BRL		mg/kg dry	1.53	1	"	"	"	"	X
General Chemistry Parameters											
	% Solids	89.3		%		1	SM2540 G Mod.	28-Jan-09	28-Jan-09	9011835	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-D21 SA90344-03	127-17797-08011	Soil	23-Jan-09 09:30	27-Jan-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	28-Jan-09	28-Jan-09	9011833	
Volatile Organic Compounds					Initial weight: 5.63 g						
Prepared by method SW846 5035A Soil (low level)											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	5.1	1	SW846 8260B	29-Jan-09	29-Jan-09	9011897	X
67-64-1	Acetone	BRL		µg/kg dry	50.8	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	5.1	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	5.1	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	5.1	1	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	5.1	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	5.1	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	5.1	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	10.2	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	50.8	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	5.1	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	5.1	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	5.1	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	25.4	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	5.1	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	5.1	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	10.2	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	5.1	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	10.2	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	5.1	1	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	5.1	1	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	10.2	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	5.1	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	5.1	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	5.1	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	5.1	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	5.1	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	5.1	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	4,260	E	µg/kg dry	10.2	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	5.1	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	5.1	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	5.1	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	5.1	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	5.1	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	5.1	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	5.1	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	5.1	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	5.1	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	5.1	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	5.1	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	5.1	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	5.1	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	50.8	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	5.1	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	5.1	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	5.1	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	50.8	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	50.8	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	5.1	1	"	"	"	"	X

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-D21	127-17797-08011	Soil	23-Jan-09 09:30	27-Jan-09
SA90344-03				

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: 5.63 g						
103-65-1	n-Propylbenzene	BRL		µg/kg dry	5.1	1	SW846 8260B	29-Jan-09	29-Jan-09	9011897	X
100-42-5	Styrene	BRL		µg/kg dry	5.1	1	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	5.1	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	5.1	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	5.1	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	5.1	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	5.1	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	5.1	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	5.1	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	5.1	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	5.1	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	5.1	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	5.1	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	5.1	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	5.1	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	5.1	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	5.1	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	10.2	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	5.1	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	50.8	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	5.1	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	5.1	1	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	5.1	1	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	5.1	1	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	50.8	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	102	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	25.4	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	2030	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*83*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*92*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*123*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*103*		*70-130 %*			"	"	"	"	
Re-analysis of Volatile Organic Compounds											
75-71-8	Dichlorodifluoromethane (Freon12)	461		µg/kg dry	108	50	SW846 8260B	02-Feb-09	02-Feb-09	9020047	X
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*101*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*105*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*100*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*98*		*70-130 %*			"	"	"	"	
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C			R05								
Prepared by method SW846 3550B											
83-32-9	Acenaphthene	BRL		µg/kg dry	702	2	SW846 8270C	30-Jan-09	01-Feb-09	9012003	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	702	2	"	"	"	"	X
62-53-3	Aniline	BRL		µg/kg dry	702	2	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	702	2	"	"	"	"	X
1912-24-9	Atrazine	BRL		µg/kg dry	702	2	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/kg dry	702	2	"	"	"	"	
92-87-5	Benzidine	BRL		µg/kg dry	702	2	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-D21 SA90344-03	127-17797-08011	Soil	23-Jan-09 09:30	27-Jan-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			R05								
Prepared by method SW846 3550B											
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	702	2	SW846 8270C	30-Jan-09	01-Feb-09	9012003	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	702	2	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	702	2	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	702	2	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	702	2	"	"	"	"	X
65-85-0	Benzoic acid	BRL		µg/kg dry	702	2	"	"	"	"	X
100-51-6	Benzyl alcohol	BRL		µg/kg dry	702	2	"	"	"	"	X
111-91-1	Bis(2-chloroethoxy)methane	BRL		µg/kg dry	702	2	"	"	"	"	X
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/kg dry	702	2	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	702	2	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	702	2	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/kg dry	702	2	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	BRL		µg/kg dry	702	2	"	"	"	"	X
86-74-8	Carbazole	BRL		µg/kg dry	702	2	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	BRL		µg/kg dry	702	2	"	"	"	"	X
106-47-8	4-Chloroaniline	BRL		µg/kg dry	702	2	"	"	"	"	X
91-58-7	2-Chloronaphthalene	BRL		µg/kg dry	702	2	"	"	"	"	X
95-57-8	2-Chlorophenol	BRL		µg/kg dry	702	2	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/kg dry	702	2	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	702	2	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	702	2	"	"	"	"	X
132-64-9	Dibenzofuran	BRL		µg/kg dry	702	2	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	702	2	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	702	2	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	702	2	"	"	"	"	X
91-94-1	3,3'-Dichlorobenzidine	BRL		µg/kg dry	702	2	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	BRL		µg/kg dry	702	2	"	"	"	"	X
84-66-2	Diethyl phthalate	BRL		µg/kg dry	702	2	"	"	"	"	X
131-11-3	Dimethyl phthalate	BRL		µg/kg dry	702	2	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	BRL		µg/kg dry	702	2	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	BRL		µg/kg dry	702	2	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	702	2	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	BRL		µg/kg dry	702	2	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	BRL		µg/kg dry	702	2	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	BRL		µg/kg dry	702	2	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	BRL		µg/kg dry	702	2	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	702	2	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	702	2	"	"	"	"	X
118-74-1	Hexachlorobenzene	BRL		µg/kg dry	702	2	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	702	2	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	BRL		µg/kg dry	702	2	"	"	"	"	X
67-72-1	Hexachloroethane	BRL		µg/kg dry	702	2	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	702	2	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	702	2	"	"	"	"	
78-59-1	Isophorone	BRL		µg/kg dry	702	2	"	"	"	"	X
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	702	2	"	"	"	"	X
95-48-7	2-Methylphenol	BRL		µg/kg dry	702	2	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	BRL		µg/kg dry	702	2	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	702	2	"	"	"	"	X
88-74-4	2-Nitroaniline	BRL		µg/kg dry	702	2	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-D21 SA90344-03	127-17797-08011	Soil	23-Jan-09 09:30	27-Jan-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			R05								
Prepared by method SW846 3550B											
99-09-2	3-Nitroaniline	BRL		µg/kg dry	702	2	SW846 8270C	30-Jan-09	01-Feb-09	9012003	X
100-01-6	4-Nitroaniline	BRL		µg/kg dry	2810	2	"	"	"	"	X
98-95-3	Nitrobenzene	BRL		µg/kg dry	702	2	"	"	"	"	X
88-75-5	2-Nitrophenol	BRL		µg/kg dry	702	2	"	"	"	"	X
100-02-7	4-Nitrophenol	BRL		µg/kg dry	2810	2	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	BRL		µg/kg dry	702	2	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/kg dry	702	2	"	"	"	"	X
86-30-6	N-Nitrosodiphenylamine	BRL		µg/kg dry	702	2	"	"	"	"	X
87-86-5	Pentachlorophenol	BRL		µg/kg dry	702	2	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	702	2	"	"	"	"	X
108-95-2	Phenol	BRL		µg/kg dry	702	2	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	702	2	"	"	"	"	X
110-86-1	Pyridine	BRL		µg/kg dry	702	2	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	702	2	"	"	"	"	X
95-95-4	2,4,5-Trichlorophenol	BRL		µg/kg dry	702	2	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	BRL		µg/kg dry	702	2	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	BRL		µg/kg dry	702	2	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	702	2	"	"	"	"	X
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*75*		*30-130 %*			"	"	"	"	
367-12-4	*2-Fluorophenol*	*65*		*15-110 %*			"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*69*		*30-130 %*			"	"	"	"	
4165-62-2	*Phenol-d5*	*78*		*15-110 %*			"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*69*		*30-130 %*			"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*62*		*15-110 %*			"	"	"	"	
Semivolatile Organic Compounds by GC											
Polychlorinated Biphenyls by SW846 8082											
Prepared by method SW846 3550B											
12674-11-2	PCB 1016	BRL		µg/kg dry	21.3	1	SW846 8082	30-Jan-09	01-Feb-09	9012042	X
11104-28-2	PCB 1221	BRL		µg/kg dry	21.3	1	"	"	"	"	X
11141-16-5	PCB 1232	BRL		µg/kg dry	21.3	1	"	"	"	"	X
53469-21-9	PCB 1242	BRL		µg/kg dry	21.3	1	"	"	"	"	X
12672-29-6	PCB 1248	BRL		µg/kg dry	21.3	1	"	"	"	"	X
11097-69-1	PCB 1254	BRL		µg/kg dry	21.3	1	"	"	"	"	X
11096-82-5	PCB 1260	BRL		µg/kg dry	21.3	1	"	"	"	"	X
37324-23-5	PCB 1262	BRL		µg/kg dry	21.3	1	"	"	"	"	X
11100-14-4	PCB 1268	BRL		µg/kg dry	21.3	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*91*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*54*		*30-150 %*			"	"	"	"	
Chlorinated Herbicides by SW846 8151A											
Prepared by method SW846 3550B											
93-76-5	2,4,5-T	BRL		µg/kg dry	6.70	1	SW846 8151A	02-Feb-09	03-Feb-09	9020015	X
93-72-1	2,4,5-TP (Silvex)	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-75-7	2,4-D	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-82-6	2,4-DB	BRL		µg/kg dry	6.70	1	"	"	"	"	X
75-99-0	Dalapon	BRL		µg/kg dry	6.70	1	"	"	"	"	X
1918-00-9	Dicamba	BRL		µg/kg dry	6.70	1	"	"	"	"	X
120-36-5	Dichlorprop	BRL		µg/kg dry	6.70	1	"	"	"	"	X
88-85-7	Dinoseb	BRL		µg/kg dry	6.70	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-D21 SA90344-03	127-17797-08011	Soil	23-Jan-09 09:30	27-Jan-09

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC											
Chlorinated Herbicides by SW846 8151A											
Prepared by method SW846 3550B											
94-74-6	MCPA	BRL		µg/kg dry	670	1	SW846 8151A	02-Feb-09	03-Feb-09	9020015	X
94-81-5	MCPB	BRL		µg/kg dry	670	1	"	"	"	"	
93-65-2	MCPP	BRL		µg/kg dry	670	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*89*		*30-150 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3550B											
8006-61-9	Gasoline	BRL		mg/kg dry	28.3	2	+CT ETPH	30-Jan-09	02-Feb-09	9012000	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	28.3	2	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	28.3	2	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	28.3	2	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	28.3	2	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	28.3	2	"	"	"	"	
	Unidentified	217		mg/kg dry	28.3	2	"	"	"	"	
	Other Oil	Calculated as		mg/kg dry	28.3	2	"	"	"	"	
	Total Petroleum Hydrocarbons	217		mg/kg dry	28.3	2	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	217		mg/kg dry	28.3	2	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*87*		*50-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	BRL		mg/kg dry	1.58	1	SW846 6010B	28-Jan-09	29-Jan-09	9011820	X
7440-38-2	Arsenic	BRL		mg/kg dry	1.58	1	"	"	"	"	X
7440-39-3	Barium	79.2		mg/kg dry	1.05	1	"	"	"	"	X
7440-43-9	Cadmium	0.542		mg/kg dry	0.526	1	"	"	"	"	X
7440-47-3	Chromium	15.0		mg/kg dry	1.05	1	"	"	"	"	X
7439-97-6	Mercury	0.0301		mg/kg dry	0.0299	1	SW846 7471A	"	29-Jan-09	9011823	X
7439-92-1	Lead	15.1		mg/kg dry	1.58	1	SW846 6010B	"	29-Jan-09	9011820	X
7782-49-2	Selenium	BRL		mg/kg dry	1.58	1	"	"	"	"	X
General Chemistry Parameters											
	% Solids	93.6		%		1	SM2540 G Mod.	28-Jan-09	28-Jan-09	9011835	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-D16 SA90344-04	127-17797-08011	Soil	23-Jan-09 10:50	27-Jan-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	28-Jan-09	28-Jan-09	9011833	
Volatile Organic Compounds			VC10								
Prepared by method SW846 5035A Soil (low level)					Initial weight: 6.32 g						
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	4.9	1	SW846 8260B	29-Jan-09	29-Jan-09	9011897	X
67-64-1	Acetone	BRL		µg/kg dry	48.8	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	4.9	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	4.9	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	4.9	1	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	4.9	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	4.9	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	4.9	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	9.8	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	48.8	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	4.9	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	4.9	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	4.9	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	24.4	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	4.9	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	4.9	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	9.8	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	4.9	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	9.8	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	4.9	1	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	4.9	1	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	9.8	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	4.9	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	4.9	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	4.9	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	4.9	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	4.9	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	4.9	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	2,690	E	µg/kg dry	9.8	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	4.9	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	4.9	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	4.9	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	4.9	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	4.9	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	4.9	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	4.9	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	4.9	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	4.9	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	4.9	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	4.9	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	4.9	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	4.9	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	48.8	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	4.9	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	4.9	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	4.9	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	48.8	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	48.8	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	4.9	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-D16 SA90344-04	127-17797-08011	Soil	23-Jan-09 10:50	27-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
Volatile Organic Compounds			VC10								
Prepared by method SW846 5035A Soil (low level)					Initial weight: 6.32 g						
103-65-1	n-Propylbenzene	BRL		µg/kg dry	4.9	1	SW846 8260B	29-Jan-09	29-Jan-09	9011897	X
100-42-5	Styrene	BRL		µg/kg dry	4.9	1	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	4.9	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	4.9	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	4.9	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	4.9	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	4.9	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	4.9	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	4.9	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	4.9	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	4.9	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	4.9	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	4.9	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	4.9	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	4.9	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	4.9	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	4.9	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	9.8	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	4.9	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	48.8	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	4.9	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	4.9	1	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	4.9	1	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	4.9	1	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	48.8	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	97.6	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	24.4	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	1950	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*86*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*93*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*122*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*103*		*70-130 %*			"	"	"	"	
Re-analysis of Volatile Organic Compounds											
75-71-8	Dichlorodifluoromethane (Freon12)	254		µg/kg dry	221	100	SW846 8260B	02-Feb-09	02-Feb-09	9020047	X
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*100*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*109*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*104*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*101*		*70-130 %*			"	"	"	"	
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
83-32-9	Acenaphthene	BRL		µg/kg dry	356	1	SW846 8270C	30-Jan-09	01-Feb-09	9012003	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	356	1	"	"	"	"	X
62-53-3	Aniline	BRL		µg/kg dry	356	1	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	356	1	"	"	"	"	X
1912-24-9	Atrazine	BRL		µg/kg dry	356	1	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/kg dry	356	1	"	"	"	"	
92-87-5	Benzidine	BRL		µg/kg dry	356	1	"	"	"	"	X

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Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-D16 SA90344-04	127-17797-08011	Soil	23-Jan-09 10:50	27-Jan-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 3550B											
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	356	1	SW846 8270C	30-Jan-09	01-Feb-09	9012003	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	356	1	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	356	1	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	356	1	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	356	1	"	"	"	"	X
65-85-0	Benzoic acid	BRL		µg/kg dry	356	1	"	"	"	"	X
100-51-6	Benzyl alcohol	BRL		µg/kg dry	356	1	"	"	"	"	X
111-91-1	Bis(2-chloroethoxy)methane	BRL		µg/kg dry	356	1	"	"	"	"	X
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/kg dry	356	1	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	356	1	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	356	1	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/kg dry	356	1	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	BRL		µg/kg dry	356	1	"	"	"	"	X
86-74-8	Carbazole	BRL		µg/kg dry	356	1	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	BRL		µg/kg dry	356	1	"	"	"	"	X
106-47-8	4-Chloroaniline	BRL		µg/kg dry	356	1	"	"	"	"	X
91-58-7	2-Chloronaphthalene	BRL		µg/kg dry	356	1	"	"	"	"	X
95-57-8	2-Chlorophenol	BRL		µg/kg dry	356	1	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/kg dry	356	1	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	356	1	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	356	1	"	"	"	"	X
132-64-9	Dibenzofuran	BRL		µg/kg dry	356	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	356	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	356	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	356	1	"	"	"	"	X
91-94-1	3,3'-Dichlorobenzidine	BRL		µg/kg dry	356	1	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	BRL		µg/kg dry	356	1	"	"	"	"	X
84-66-2	Diethyl phthalate	BRL		µg/kg dry	356	1	"	"	"	"	X
131-11-3	Dimethyl phthalate	BRL		µg/kg dry	356	1	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	BRL		µg/kg dry	356	1	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	BRL		µg/kg dry	356	1	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	356	1	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	BRL		µg/kg dry	356	1	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	BRL		µg/kg dry	356	1	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	BRL		µg/kg dry	356	1	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	BRL		µg/kg dry	356	1	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	356	1	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	356	1	"	"	"	"	X
118-74-1	Hexachlorobenzene	BRL		µg/kg dry	356	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	356	1	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	BRL		µg/kg dry	356	1	"	"	"	"	X
67-72-1	Hexachloroethane	BRL		µg/kg dry	356	1	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	356	1	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	356	1	"	"	"	"	
78-59-1	Isophorone	BRL		µg/kg dry	356	1	"	"	"	"	X
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	356	1	"	"	"	"	X
95-48-7	2-Methylphenol	BRL		µg/kg dry	356	1	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	BRL		µg/kg dry	356	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	356	1	"	"	"	"	X
88-74-4	2-Nitroaniline	BRL		µg/kg dry	356	1	"	"	"	"	X

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Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-D16 SA90344-04	127-17797-08011	Soil	23-Jan-09 10:50	27-Jan-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 3550B											
99-09-2	3-Nitroaniline	BRL		µg/kg dry	356	1	SW846 8270C	30-Jan-09	01-Feb-09	9012003	X
100-01-6	4-Nitroaniline	BRL		µg/kg dry	1420	1	"	"	"	"	X
98-95-3	Nitrobenzene	BRL		µg/kg dry	356	1	"	"	"	"	X
88-75-5	2-Nitrophenol	BRL		µg/kg dry	356	1	"	"	"	"	X
100-02-7	4-Nitrophenol	BRL		µg/kg dry	1420	1	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	BRL		µg/kg dry	356	1	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/kg dry	356	1	"	"	"	"	X
86-30-6	N-Nitrosodiphenylamine	BRL		µg/kg dry	356	1	"	"	"	"	X
87-86-5	Pentachlorophenol	BRL		µg/kg dry	356	1	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	356	1	"	"	"	"	X
108-95-2	Phenol	BRL		µg/kg dry	356	1	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	356	1	"	"	"	"	X
110-86-1	Pyridine	BRL		µg/kg dry	356	1	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	356	1	"	"	"	"	X
95-95-4	2,4,5-Trichlorophenol	BRL		µg/kg dry	356	1	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	BRL		µg/kg dry	356	1	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	BRL		µg/kg dry	356	1	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	356	1	"	"	"	"	X
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*83*		*30-130 %*			"	"	"	"	
367-12-4	*2-Fluorophenol*	*78*		*15-110 %*			"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*81*		*30-130 %*			"	"	"	"	
4165-62-2	*Phenol-d5*	*69*		*15-110 %*			"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*75*		*30-130 %*			"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*73*		*15-110 %*			"	"	"	"	
Semivolatile Organic Compounds by GC											
Polychlorinated Biphenyls by SW846 8082											
Prepared by method SW846 3550B											
12674-11-2	PCB 1016	BRL		µg/kg dry	21.8	1	SW846 8082	30-Jan-09	01-Feb-09	9012042	X
11104-28-2	PCB 1221	BRL		µg/kg dry	21.8	1	"	"	"	"	X
11141-16-5	PCB 1232	BRL		µg/kg dry	21.8	1	"	"	"	"	X
53469-21-9	PCB 1242	BRL		µg/kg dry	21.8	1	"	"	"	"	X
12672-29-6	PCB 1248	BRL		µg/kg dry	21.8	1	"	"	"	"	X
11097-69-1	PCB 1254	BRL		µg/kg dry	21.8	1	"	"	"	"	X
11096-82-5	PCB 1260	BRL		µg/kg dry	21.8	1	"	"	"	"	X
37324-23-5	PCB 1262	BRL		µg/kg dry	21.8	1	"	"	"	"	X
11100-14-4	PCB 1268	BRL		µg/kg dry	21.8	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*96*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*54*		*30-150 %*			"	"	"	"	
Chlorinated Herbicides by SW846 8151A											
Prepared by method SW846 3550B											
93-76-5	2,4,5-T	BRL		µg/kg dry	6.70	1	SW846 8151A	02-Feb-09	03-Feb-09	9020015	X
93-72-1	2,4,5-TP (Silvex)	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-75-7	2,4-D	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-82-6	2,4-DB	BRL		µg/kg dry	6.70	1	"	"	"	"	X
75-99-0	Dalapon	BRL		µg/kg dry	6.70	1	"	"	"	"	X
1918-00-9	Dicamba	BRL		µg/kg dry	6.70	1	"	"	"	"	X
120-36-5	Dichlorprop	BRL		µg/kg dry	6.70	1	"	"	"	"	X
88-85-7	Dinoseb	BRL		µg/kg dry	6.70	1	"	"	"	"	X

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Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-D16	127-17797-08011	Soil	23-Jan-09 10:50	27-Jan-09
SA90344-04				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GC											
Chlorinated Herbicides by SW846 8151A											
Prepared by method SW846 3550B											
94-74-6	MCPA	BRL		µg/kg dry	670	1	SW846 8151A	02-Feb-09	03-Feb-09	9020015	X
94-81-5	MCPB	BRL		µg/kg dry	670	1	"	"	"	"	
93-65-2	MCPP	BRL		µg/kg dry	670	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*70*		*30-150 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3550B											
8006-61-9	Gasoline	BRL		mg/kg dry	14.3	1	+CT ETPH	30-Jan-09	02-Feb-09	9012000	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	14.3	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	14.3	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	14.3	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	14.3	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	14.3	1	"	"	"	"	
	Unidentified	BRL		mg/kg dry	14.3	1	"	"	"	"	
	Other Oil	BRL		mg/kg dry	14.3	1	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL		mg/kg dry	14.3	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	14.3	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*90*		*50-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	BRL		mg/kg dry	1.48	1	SW846 6010B	28-Jan-09	29-Jan-09	9011820	X
7440-38-2	Arsenic	BRL		mg/kg dry	1.48	1	"	"	"	"	X
7440-39-3	Barium	144		mg/kg dry	0.984	1	"	"	"	"	X
7440-43-9	Cadmium	BRL		mg/kg dry	0.492	1	"	"	"	"	X
7440-47-3	Chromium	24.4		mg/kg dry	0.984	1	"	"	"	"	X
7439-97-6	Mercury	BRL		mg/kg dry	0.0326	1	SW846 7471A	"	29-Jan-09	9011823	X
7439-92-1	Lead	9.52		mg/kg dry	1.48	1	SW846 6010B	"	29-Jan-09	9011820	X
7782-49-2	Selenium	BRL		mg/kg dry	1.48	1	"	"	"	"	X
General Chemistry Parameters											
	% Solids	90.6		%		1	SM2540 G Mod.	28-Jan-09	28-Jan-09	9011835	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-A50 SA90344-05	127-17797-08011	Soil	23-Jan-09 13:13	27-Jan-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	28-Jan-09	28-Jan-09	9011833	
Volatile Organic Compounds						Initial weight: 5.32 g					
Prepared by method SW846 5035A Soil (low level)											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	6.8	1	SW846 8260B	29-Jan-09	29-Jan-09	9011897	X
67-64-1	Acetone	BRL		µg/kg dry	68.1	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	13.6	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	68.1	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	34.1	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	13.6	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	6.8	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	13.6	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	13.6	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)	1,640	E	µg/kg dry	13.6	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	68.1	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	68.1	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	68.1	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	6.8	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-A50 SA90344-05	127-17797-08011	Soil	23-Jan-09 13:13	27-Jan-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: 5.32 g						
103-65-1	n-Propylbenzene	BRL		µg/kg dry	6.8	1	SW846 8260B	29-Jan-09	29-Jan-09	9011897	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	13.6	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	6.8	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	68.1	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	68.1	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	136	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	34.1	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	2730	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*83*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*91*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*120*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*102*		*70-130 %*			"	"	"	"	
Re-analysis of Volatile Organic Compounds											
75-71-8	Dichlorodifluoromethane (Freon12)	256		µg/kg dry	138	50	SW846 8260B	02-Feb-09	02-Feb-09	9020047	X
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*102*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*106*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*100*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*98*		*70-130 %*			"	"	"	"	
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
83-32-9	Acenaphthene	BRL		µg/kg dry	396	1	SW846 8270C	30-Jan-09	01-Feb-09	9012003	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	396	1	"	"	"	"	X
62-53-3	Aniline	BRL		µg/kg dry	396	1	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	396	1	"	"	"	"	X
1912-24-9	Atrazine	BRL		µg/kg dry	396	1	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/kg dry	396	1	"	"	"	"	
92-87-5	Benzidine	BRL		µg/kg dry	396	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-A50 SA90344-05	127-17797-08011	Soil	23-Jan-09 13:13	27-Jan-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 3550B											
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	396	1	SW846 8270C	30-Jan-09	01-Feb-09	9012003	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	396	1	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	396	1	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	396	1	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	396	1	"	"	"	"	X
65-85-0	Benzoic acid	BRL		µg/kg dry	396	1	"	"	"	"	X
100-51-6	Benzyl alcohol	BRL		µg/kg dry	396	1	"	"	"	"	X
111-91-1	Bis(2-chloroethoxy)methane	BRL		µg/kg dry	396	1	"	"	"	"	X
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/kg dry	396	1	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	396	1	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	396	1	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/kg dry	396	1	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	BRL		µg/kg dry	396	1	"	"	"	"	X
86-74-8	Carbazole	BRL		µg/kg dry	396	1	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	BRL		µg/kg dry	396	1	"	"	"	"	X
106-47-8	4-Chloroaniline	BRL		µg/kg dry	396	1	"	"	"	"	X
91-58-7	2-Chloronaphthalene	BRL		µg/kg dry	396	1	"	"	"	"	X
95-57-8	2-Chlorophenol	BRL		µg/kg dry	396	1	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/kg dry	396	1	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	396	1	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	396	1	"	"	"	"	X
132-64-9	Dibenzofuran	BRL		µg/kg dry	396	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	396	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	396	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	396	1	"	"	"	"	X
91-94-1	3,3'-Dichlorobenzidine	BRL		µg/kg dry	396	1	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	BRL		µg/kg dry	396	1	"	"	"	"	X
84-66-2	Diethyl phthalate	BRL		µg/kg dry	396	1	"	"	"	"	X
131-11-3	Dimethyl phthalate	BRL		µg/kg dry	396	1	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	BRL		µg/kg dry	396	1	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	BRL		µg/kg dry	396	1	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	396	1	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	BRL		µg/kg dry	396	1	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	BRL		µg/kg dry	396	1	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	BRL		µg/kg dry	396	1	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	BRL		µg/kg dry	396	1	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	396	1	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	396	1	"	"	"	"	X
118-74-1	Hexachlorobenzene	BRL		µg/kg dry	396	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	396	1	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	BRL		µg/kg dry	396	1	"	"	"	"	X
67-72-1	Hexachloroethane	BRL		µg/kg dry	396	1	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	396	1	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	396	1	"	"	"	"	
78-59-1	Isophorone	BRL		µg/kg dry	396	1	"	"	"	"	X
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	396	1	"	"	"	"	X
95-48-7	2-Methylphenol	BRL		µg/kg dry	396	1	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	BRL		µg/kg dry	396	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	396	1	"	"	"	"	X
88-74-4	2-Nitroaniline	BRL		µg/kg dry	396	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-A50 SA90344-05	127-17797-08011	Soil	23-Jan-09 13:13	27-Jan-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 3550B											
99-09-2	3-Nitroaniline	BRL		µg/kg dry	396	1	SW846 8270C	30-Jan-09	01-Feb-09	9012003	X
100-01-6	4-Nitroaniline	BRL		µg/kg dry	1580	1	"	"	"	"	X
98-95-3	Nitrobenzene	BRL		µg/kg dry	396	1	"	"	"	"	X
88-75-5	2-Nitrophenol	BRL		µg/kg dry	396	1	"	"	"	"	X
100-02-7	4-Nitrophenol	BRL		µg/kg dry	1580	1	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	BRL		µg/kg dry	396	1	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/kg dry	396	1	"	"	"	"	X
86-30-6	N-Nitrosodiphenylamine	BRL		µg/kg dry	396	1	"	"	"	"	X
87-86-5	Pentachlorophenol	BRL		µg/kg dry	396	1	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	396	1	"	"	"	"	X
108-95-2	Phenol	BRL		µg/kg dry	396	1	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	396	1	"	"	"	"	X
110-86-1	Pyridine	BRL		µg/kg dry	396	1	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	396	1	"	"	"	"	X
95-95-4	2,4,5-Trichlorophenol	BRL		µg/kg dry	396	1	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	BRL		µg/kg dry	396	1	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	BRL		µg/kg dry	396	1	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	396	1	"	"	"	"	X
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*76*		*30-130 %*			"	"	"	"	
367-12-4	*2-Fluorophenol*	*68*		*15-110 %*			"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*72*		*30-130 %*			"	"	"	"	
4165-62-2	*Phenol-d5*	*76*		*15-110 %*			"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*68*		*30-130 %*			"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*68*		*15-110 %*			"	"	"	"	
Semivolatile Organic Compounds by GC											
Polychlorinated Biphenyls by SW846 8082											
Prepared by method SW846 3550B											
12674-11-2	PCB 1016	BRL		µg/kg dry	23.2	1	SW846 8082	30-Jan-09	01-Feb-09	9012042	X
11104-28-2	PCB 1221	BRL		µg/kg dry	23.2	1	"	"	"	"	X
11141-16-5	PCB 1232	BRL		µg/kg dry	23.2	1	"	"	"	"	X
53469-21-9	PCB 1242	BRL		µg/kg dry	23.2	1	"	"	"	"	X
12672-29-6	PCB 1248	BRL		µg/kg dry	23.2	1	"	"	"	"	X
11097-69-1	PCB 1254	BRL		µg/kg dry	23.2	1	"	"	"	"	X
11096-82-5	PCB 1260	BRL		µg/kg dry	23.2	1	"	"	"	"	X
37324-23-5	PCB 1262	BRL		µg/kg dry	23.2	1	"	"	"	"	X
11100-14-4	PCB 1268	BRL		µg/kg dry	23.2	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*87*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*49*		*30-150 %*			"	"	"	"	
Chlorinated Herbicides by SW846 8151A											
Prepared by method SW846 3550B											
93-76-5	2,4,5-T	BRL		µg/kg dry	6.70	1	SW846 8151A	02-Feb-09	03-Feb-09	9020015	X
93-72-1	2,4,5-TP (Silvex)	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-75-7	2,4-D	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-82-6	2,4-DB	BRL		µg/kg dry	6.70	1	"	"	"	"	X
75-99-0	Dalapon	BRL		µg/kg dry	6.70	1	"	"	"	"	X
1918-00-9	Dicamba	BRL		µg/kg dry	6.70	1	"	"	"	"	X
120-36-5	Dichlorprop	BRL		µg/kg dry	6.70	1	"	"	"	"	X
88-85-7	Dinoseb	BRL		µg/kg dry	6.70	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-A50 SA90344-05	127-17797-08011	Soil	23-Jan-09 13:13	27-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GC											
Chlorinated Herbicides by SW846 8151A											
Prepared by method SW846 3550B											
94-74-6	MCPA	BRL		µg/kg dry	670	1	SW846 8151A	02-Feb-09	03-Feb-09	9020015	X
94-81-5	MCPB	BRL		µg/kg dry	670	1	"	"	"	"	
93-65-2	MCPP	BRL		µg/kg dry	670	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*59*		*30-150 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3550B											
8006-61-9	Gasoline	BRL		mg/kg dry	15.9	1	+CT ETPH	30-Jan-09	02-Feb-09	9012000	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	15.9	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	15.9	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	15.9	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	15.9	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	15.9	1	"	"	"	"	
	Unidentified	BRL		mg/kg dry	15.9	1	"	"	"	"	
	Other Oil	BRL		mg/kg dry	15.9	1	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL		mg/kg dry	15.9	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	15.9	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*89*		*50-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	BRL		mg/kg dry	1.72	1	SW846 6010B	28-Jan-09	29-Jan-09	9011820	X
7440-38-2	Arsenic	BRL		mg/kg dry	1.72	1	"	"	"	"	X
7440-39-3	Barium	71.6		mg/kg dry	1.14	1	"	"	"	"	X
7440-43-9	Cadmium	BRL		mg/kg dry	0.572	1	"	"	"	"	X
7440-47-3	Chromium	17.0		mg/kg dry	1.14	1	"	"	"	"	X
7439-97-6	Mercury	BRL		mg/kg dry	0.0328	1	SW846 7471A	"	29-Jan-09	9011823	X
7439-92-1	Lead	16.6		mg/kg dry	1.72	1	SW846 6010B	"	29-Jan-09	9011820	X
7782-49-2	Selenium	BRL		mg/kg dry	1.72	1	"	"	"	"	X
General Chemistry Parameters											
	% Solids	82.1		%		1	SM2540 G Mod.	28-Jan-09	28-Jan-09	9011835	

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9011897 - SW846 5035A Soil (low level)										
Blank (9011897-BLK1)										
Prepared & Analyzed: 29-Jan-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg wet	5.0						
Acetone	BRL		µg/kg wet	50.0						
Acrylonitrile	BRL		µg/kg wet	5.0						
Benzene	BRL		µg/kg wet	5.0						
Bromobenzene	BRL		µg/kg wet	5.0						
Bromochloromethane	BRL		µg/kg wet	5.0						
Bromodichloromethane	BRL		µg/kg wet	5.0						
Bromoform	BRL		µg/kg wet	5.0						
Bromomethane	BRL		µg/kg wet	10.0						
2-Butanone (MEK)	BRL		µg/kg wet	50.0						
n-Butylbenzene	BRL		µg/kg wet	5.0						
sec-Butylbenzene	BRL		µg/kg wet	5.0						
tert-Butylbenzene	BRL		µg/kg wet	5.0						
Carbon disulfide	BRL		µg/kg wet	25.0						
Carbon tetrachloride	BRL		µg/kg wet	5.0						
Chlorobenzene	BRL		µg/kg wet	5.0						
Chloroethane	BRL		µg/kg wet	10.0						
Chloroform	BRL		µg/kg wet	5.0						
Chloromethane	BRL		µg/kg wet	10.0						
2-Chlorotoluene	BRL		µg/kg wet	5.0						
4-Chlorotoluene	BRL		µg/kg wet	5.0						
1,2-Dibromo-3-chloropropane	BRL		µg/kg wet	10.0						
Dibromochloromethane	BRL		µg/kg wet	5.0						
1,2-Dibromoethane (EDB)	BRL		µg/kg wet	5.0						
Dibromomethane	BRL		µg/kg wet	5.0						
1,2-Dichlorobenzene	BRL		µg/kg wet	5.0						
1,3-Dichlorobenzene	BRL		µg/kg wet	5.0						
1,4-Dichlorobenzene	BRL		µg/kg wet	5.0						
Dichlorodifluoromethane (Freon12)	BRL		µg/kg wet	10.0						
1,1-Dichloroethane	BRL		µg/kg wet	5.0						
1,2-Dichloroethane	BRL		µg/kg wet	5.0						
1,1-Dichloroethene	BRL		µg/kg wet	5.0						
cis-1,2-Dichloroethene	BRL		µg/kg wet	5.0						
trans-1,2-Dichloroethene	BRL		µg/kg wet	5.0						
1,2-Dichloropropane	BRL		µg/kg wet	5.0						
1,3-Dichloropropane	BRL		µg/kg wet	5.0						
2,2-Dichloropropane	BRL		µg/kg wet	5.0						
1,1-Dichloropropene	BRL		µg/kg wet	5.0						
cis-1,3-Dichloropropene	BRL		µg/kg wet	5.0						
trans-1,3-Dichloropropene	BRL		µg/kg wet	5.0						
Ethylbenzene	BRL		µg/kg wet	5.0						
Hexachlorobutadiene	BRL		µg/kg wet	5.0						
2-Hexanone (MBK)	BRL		µg/kg wet	50.0						
Isopropylbenzene	BRL		µg/kg wet	5.0						
4-Isopropyltoluene	BRL		µg/kg wet	5.0						
Methyl tert-butyl ether	BRL		µg/kg wet	5.0						
4-Methyl-2-pentanone (MIBK)	BRL		µg/kg wet	50.0						
Methylene chloride	BRL		µg/kg wet	50.0						
Naphthalene	BRL		µg/kg wet	5.0						

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9011897 - SW846 5035A Soil (low level)										
Blank (9011897-BLK1)										
Prepared & Analyzed: 29-Jan-09										
n-Propylbenzene	BRL		µg/kg wet	5.0						
Styrene	BRL		µg/kg wet	5.0						
1,1,1,2-Tetrachloroethane	BRL		µg/kg wet	5.0						
1,1,2,2-Tetrachloroethane	BRL		µg/kg wet	5.0						
Tetrachloroethene	BRL		µg/kg wet	5.0						
Toluene	BRL		µg/kg wet	5.0						
1,2,3-Trichlorobenzene	BRL		µg/kg wet	5.0						
1,2,4-Trichlorobenzene	BRL		µg/kg wet	5.0						
1,3,5-Trichlorobenzene	BRL		µg/kg wet	5.0						
1,1,1-Trichloroethane	BRL		µg/kg wet	5.0						
1,1,2-Trichloroethane	BRL		µg/kg wet	5.0						
Trichloroethene	BRL		µg/kg wet	5.0						
Trichlorofluoromethane (Freon 11)	BRL		µg/kg wet	5.0						
1,2,3-Trichloropropane	BRL		µg/kg wet	5.0						
1,2,4-Trimethylbenzene	BRL		µg/kg wet	5.0						
1,3,5-Trimethylbenzene	BRL		µg/kg wet	5.0						
Vinyl chloride	BRL		µg/kg wet	5.0						
m,p-Xylene	BRL		µg/kg wet	10.0						
o-Xylene	BRL		µg/kg wet	5.0						
Tetrahydrofuran	BRL		µg/kg wet	50.0						
Ethyl ether	BRL		µg/kg wet	5.0						
Tert-amyl methyl ether	BRL		µg/kg wet	5.0						
Ethyl tert-butyl ether	BRL		µg/kg wet	5.0						
Di-isopropyl ether	BRL		µg/kg wet	5.0						
Tert-Butanol / butyl alcohol	BRL		µg/kg wet	50.0						
1,4-Dioxane	BRL		µg/kg wet	100						
trans-1,4-Dichloro-2-butene	BRL		µg/kg wet	25.0						
Ethanol	BRL		µg/kg wet	2000						
Surrogate: 4-Bromofluorobenzene	*42.9*		µg/kg wet		*50.0*		*86*	*70-130*		
Surrogate: Toluene-d8	*47.0*		µg/kg wet		*50.0*		*94*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*60.8*		µg/kg wet		*50.0*		*122*	*70-130*		
Surrogate: Dibromofluoromethane	*50.4*		µg/kg wet		*50.0*		*101*	*70-130*		
LCS (9011897-BS1)										
Prepared & Analyzed: 29-Jan-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	22.7		µg/kg wet		20.0		113	70-130		
Acetone	8.4		µg/kg wet		20.0		42	7.9-168		
Acrylonitrile	15.6		µg/kg wet		20.0		78	70-130		
Benzene	21.3		µg/kg wet		20.0		107	70-130		
Bromobenzene	16.8		µg/kg wet		20.0		84	70-130		
Bromochloromethane	16.2		µg/kg wet		20.0		81	70-130		
Bromodichloromethane	20.6		µg/kg wet		20.0		103	70-130		
Bromoform	18.2		µg/kg wet		20.0		91	70-130		
Bromomethane	14.8		µg/kg wet		20.0		74	50-134		
2-Butanone (MEK)	10.0		µg/kg wet		20.0		50	44.6-130		
n-Butylbenzene	22.6		µg/kg wet		20.0		113	70-130		
sec-Butylbenzene	17.8		µg/kg wet		20.0		89	70-130		
tert-Butylbenzene	17.3		µg/kg wet		20.0		87	70-130		
Carbon disulfide	21.4		µg/kg wet		20.0		107	70-130		
Carbon tetrachloride	22.1		µg/kg wet		20.0		111	70-130		
Chlorobenzene	19.7		µg/kg wet		20.0		99	70-130		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9011897 - SW846 5035A Soil (low level)										
LCS (9011897-BS1)										
Prepared & Analyzed: 29-Jan-09										
Chloroethane	15.5		µg/kg wet		20.0		77	59.2-130		
Chloroform	19.3		µg/kg wet		20.0		97	70-130		
Chloromethane	14.1		µg/kg wet		20.0		70	70-130		
2-Chlorotoluene	18.7		µg/kg wet		20.0		93	70-130		
4-Chlorotoluene	17.8		µg/kg wet		20.0		89	70-130		
1,2-Dibromo-3-chloropropane	19.4		µg/kg wet		20.0		97	70-130		
Dibromochloromethane	17.9		µg/kg wet		20.0		89	63.8-130		
1,2-Dibromoethane (EDB)	16.2		µg/kg wet		20.0		81	70-130		
Dibromomethane	18.4		µg/kg wet		20.0		92	70-130		
1,2-Dichlorobenzene	20.0		µg/kg wet		20.0		100	70-130		
1,3-Dichlorobenzene	16.6		µg/kg wet		20.0		83	70-130		
1,4-Dichlorobenzene	20.8		µg/kg wet		20.0		104	70-130		
Dichlorodifluoromethane (Freon12)	17.0		µg/kg wet		20.0		85	41.8-130		
1,1-Dichloroethane	20.2		µg/kg wet		20.0		101	70-130		
1,2-Dichloroethane	19.3		µg/kg wet		20.0		96	70-130		
1,1-Dichloroethene	20.4		µg/kg wet		20.0		102	70-130		
cis-1,2-Dichloroethene	19.7		µg/kg wet		20.0		98	70-130		
trans-1,2-Dichloroethene	20.9		µg/kg wet		20.0		104	70-130		
1,2-Dichloropropane	20.4		µg/kg wet		20.0		102	70-130		
1,3-Dichloropropane	17.3		µg/kg wet		20.0		87	70-130		
2,2-Dichloropropane	20.4		µg/kg wet		20.0		102	70-130		
1,1-Dichloropropene	21.4		µg/kg wet		20.0		107	70-130		
cis-1,3-Dichloropropene	19.0		µg/kg wet		20.0		95	70-130		
trans-1,3-Dichloropropene	18.6		µg/kg wet		20.0		93	70-130		
Ethylbenzene	20.1		µg/kg wet		20.0		100	70-130		
Hexachlorobutadiene	17.2		µg/kg wet		20.0		86	68.3-130		
2-Hexanone (MBK)	12.3	QC1	µg/kg wet		20.0		61	70-130		
Isopropylbenzene	18.6		µg/kg wet		20.0		93	70-130		
4-Isopropyltoluene	21.8		µg/kg wet		20.0		109	70-130		
Methyl tert-butyl ether	19.5		µg/kg wet		20.0		97	70-130		
4-Methyl-2-pentanone (MIBK)	13.5		µg/kg wet		20.0		68	53.1-132		
Methylene chloride	17.5		µg/kg wet		20.0		87	70-130		
Naphthalene	15.8		µg/kg wet		20.0		79	70-130		
n-Propylbenzene	18.6		µg/kg wet		20.0		93	70-130		
Styrene	18.4		µg/kg wet		20.0		92	70-130		
1,1,1,2-Tetrachloroethane	19.5		µg/kg wet		20.0		97	70-130		
1,1,2,2-Tetrachloroethane	17.5		µg/kg wet		20.0		87	70-130		
Tetrachloroethene	17.5		µg/kg wet		20.0		87	70-130		
Toluene	17.3		µg/kg wet		20.0		86	70-130		
1,2,3-Trichlorobenzene	16.5		µg/kg wet		20.0		82	70-130		
1,2,4-Trichlorobenzene	16.4		µg/kg wet		20.0		82	70-130		
1,3,5-Trichlorobenzene	19.2		µg/kg wet		20.0		96	70-130		
1,1,1-Trichloroethane	21.6		µg/kg wet		20.0		108	70-130		
1,1,2-Trichloroethane	17.5		µg/kg wet		20.0		88	70-130		
Trichloroethene	19.9		µg/kg wet		20.0		99	70-130		
Trichlorofluoromethane (Freon 11)	20.4		µg/kg wet		20.0		102	68.2-130		
1,2,3-Trichloropropane	17.2		µg/kg wet		20.0		86	70-130		
1,2,4-Trimethylbenzene	18.0		µg/kg wet		20.0		90	70-130		
1,3,5-Trimethylbenzene	18.4		µg/kg wet		20.0		92	70-130		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9011897 - SW846 5035A Soil (low level)										
LCS (9011897-BS1)										
Prepared & Analyzed: 29-Jan-09										
Vinyl chloride	17.4		µg/kg wet		20.0		87	70-130		
m,p-Xylene	39.2		µg/kg wet		40.0		98	70-130		
o-Xylene	19.2		µg/kg wet		20.0		96	70-130		
Tetrahydrofuran	15.4		µg/kg wet		20.0		77	70-130		
Ethyl ether	20.0		µg/kg wet		20.0		100	70-130		
Tert-amyl methyl ether	17.3		µg/kg wet		20.0		87	70-130		
Ethyl tert-butyl ether	19.6		µg/kg wet		20.0		98	70-130		
Di-isopropyl ether	20.2		µg/kg wet		20.0		101	70-130		
Tert-Butanol / butyl alcohol	136	QC1	µg/kg wet		200		68	70-130		
1,4-Dioxane	134		µg/kg wet		200		67	48.7-130		
trans-1,4-Dichloro-2-butene	16.1		µg/kg wet		20.0		80	70-130		
Ethanol	287		µg/kg wet		400		72	70-130		
Surrogate: 4-Bromofluorobenzene	*45.4*		µg/kg wet		*50.0*		*91*	*70-130*		
Surrogate: Toluene-d8	*45.9*		µg/kg wet		*50.0*		*92*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*47.0*		µg/kg wet		*50.0*		*94*	*70-130*		
Surrogate: Dibromofluoromethane	*47.4*		µg/kg wet		*50.0*		*95*	*70-130*		
LCS Dup (9011897-BSD1)										
Prepared & Analyzed: 29-Jan-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	21.4		µg/kg wet		20.0		107	70-130	6	25
Acetone	7.0		µg/kg wet		20.0		35	7.9-168	19	50
Acrylonitrile	18.5		µg/kg wet		20.0		93	70-130	17	25
Benzene	21.8		µg/kg wet		20.0		109	70-130	2	25
Bromobenzene	18.2		µg/kg wet		20.0		91	70-130	8	25
Bromochloromethane	17.5		µg/kg wet		20.0		87	70-130	7	25
Bromodichloromethane	20.4		µg/kg wet		20.0		102	70-130	1	25
Bromoform	19.4		µg/kg wet		20.0		97	70-130	6	25
Bromomethane	17.8		µg/kg wet		20.0		89	50-134	18	50
2-Butanone (MEK)	13.7		µg/kg wet		20.0		69	44.6-130	31	50
n-Butylbenzene	23.0		µg/kg wet		20.0		115	70-130	2	25
sec-Butylbenzene	20.1		µg/kg wet		20.0		101	70-130	12	25
tert-Butylbenzene	19.5		µg/kg wet		20.0		98	70-130	12	25
Carbon disulfide	23.3		µg/kg wet		20.0		116	70-130	9	25
Carbon tetrachloride	21.0		µg/kg wet		20.0		105	70-130	5	25
Chlorobenzene	20.3		µg/kg wet		20.0		101	70-130	3	25
Chloroethane	17.8		µg/kg wet		20.0		89	59.2-130	14	50
Chloroform	18.8		µg/kg wet		20.0		94	70-130	3	25
Chloromethane	16.9		µg/kg wet		20.0		84	70-130	18	25
2-Chlorotoluene	20.9		µg/kg wet		20.0		105	70-130	12	25
4-Chlorotoluene	19.7		µg/kg wet		20.0		99	70-130	10	25
1,2-Dibromo-3-chloropropane	22.5		µg/kg wet		20.0		112	70-130	14	25
Dibromochloromethane	18.7		µg/kg wet		20.0		94	63.8-130	5	50
1,2-Dibromoethane (EDB)	17.5		µg/kg wet		20.0		87	70-130	7	25
Dibromomethane	19.1		µg/kg wet		20.0		95	70-130	3	25
1,2-Dichlorobenzene	20.4		µg/kg wet		20.0		102	70-130	2	25
1,3-Dichlorobenzene	19.3		µg/kg wet		20.0		96	70-130	15	25
1,4-Dichlorobenzene	20.2		µg/kg wet		20.0		101	70-130	3	25
Dichlorodifluoromethane (Freon12)	19.7		µg/kg wet		20.0		98	41.8-130	14	50
1,1-Dichloroethane	20.6		µg/kg wet		20.0		103	70-130	2	25
1,2-Dichloroethane	19.1		µg/kg wet		20.0		96	70-130	0.9	25
1,1-Dichloroethene	22.9		µg/kg wet		20.0		115	70-130	12	25

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9011897 - SW846 5035A Soil (low level)										
LCS Dup (9011897-BSD1)										
Prepared & Analyzed: 29-Jan-09										
cis-1,2-Dichloroethene	19.2		µg/kg wet		20.0		96	70-130	3	25
trans-1,2-Dichloroethene	20.9		µg/kg wet		20.0		104	70-130	0.05	25
1,2-Dichloropropane	21.0		µg/kg wet		20.0		105	70-130	3	25
1,3-Dichloropropane	18.2		µg/kg wet		20.0		91	70-130	5	25
2,2-Dichloropropane	20.0		µg/kg wet		20.0		100	70-130	2	25
1,1-Dichloropropene	21.6		µg/kg wet		20.0		108	70-130	0.9	25
cis-1,3-Dichloropropene	18.9		µg/kg wet		20.0		94	70-130	0.3	25
trans-1,3-Dichloropropene	19.2		µg/kg wet		20.0		96	70-130	3	25
Ethylbenzene	20.9		µg/kg wet		20.0		105	70-130	4	25
Hexachlorobutadiene	18.2		µg/kg wet		20.0		91	68.3-130	6	50
2-Hexanone (MBK)	14.3		µg/kg wet		20.0		71	70-130	15	25
Isopropylbenzene	19.9		µg/kg wet		20.0		100	70-130	7	25
4-Isopropyltoluene	21.8		µg/kg wet		20.0		109	70-130	0.2	25
Methyl tert-butyl ether	19.7		µg/kg wet		20.0		98	70-130	1	25
4-Methyl-2-pentanone (MIBK)	15.0		µg/kg wet		20.0		75	53.1-132	10	50
Methylene chloride	19.5		µg/kg wet		20.0		98	70-130	11	25
Naphthalene	16.6		µg/kg wet		20.0		83	70-130	5	25
n-Propylbenzene	20.1		µg/kg wet		20.0		100	70-130	8	25
Styrene	20.0		µg/kg wet		20.0		100	70-130	8	25
1,1,1,2-Tetrachloroethane	19.5		µg/kg wet		20.0		97	70-130	0	25
1,1,2,2-Tetrachloroethane	19.3		µg/kg wet		20.0		97	70-130	10	25
Tetrachloroethene	17.9		µg/kg wet		20.0		89	70-130	2	25
Toluene	17.5		µg/kg wet		20.0		88	70-130	1	25
1,2,3-Trichlorobenzene	17.3		µg/kg wet		20.0		87	70-130	5	25
1,2,4-Trichlorobenzene	17.2		µg/kg wet		20.0		86	70-130	4	25
1,3,5-Trichlorobenzene	19.3		µg/kg wet		20.0		97	70-130	0.6	25
1,1,1-Trichloroethane	20.5		µg/kg wet		20.0		103	70-130	5	25
1,1,2-Trichloroethane	19.4		µg/kg wet		20.0		97	70-130	10	25
Trichloroethene	20.7		µg/kg wet		20.0		104	70-130	4	25
Trichlorofluoromethane (Freon 11)	22.9		µg/kg wet		20.0		114	68.2-130	11	50
1,2,3-Trichloropropane	19.4		µg/kg wet		20.0		97	70-130	12	25
1,2,4-Trimethylbenzene	19.8		µg/kg wet		20.0		99	70-130	10	25
1,3,5-Trimethylbenzene	20.4		µg/kg wet		20.0		102	70-130	10	25
Vinyl chloride	20.5		µg/kg wet		20.0		103	70-130	16	25
m,p-Xylene	41.2		µg/kg wet		40.0		103	70-130	5	25
o-Xylene	20.1		µg/kg wet		20.0		100	70-130	5	25
Tetrahydrofuran	15.2		µg/kg wet		20.0		76	70-130	2	25
Ethyl ether	20.9		µg/kg wet		20.0		104	70-130	4	50
Tert-amyl methyl ether	17.4		µg/kg wet		20.0		87	70-130	0.4	25
Ethyl tert-butyl ether	19.6		µg/kg wet		20.0		98	70-130	0.3	25
Di-isopropyl ether	20.4		µg/kg wet		20.0		102	70-130	1	25
Tert-Butanol / butyl alcohol	163		µg/kg wet		200		81	70-130	18	25
1,4-Dioxane	150		µg/kg wet		200		75	48.7-130	11	25
trans-1,4-Dichloro-2-butene	19.2		µg/kg wet		20.0		96	70-130	17	25
Ethanol	396	QR2	µg/kg wet		400		99	70-130	32	30
Surrogate: 4-Bromofluorobenzene	*48.4*		µg/kg wet		*50.0*		*97*	*70-130*		
Surrogate: Toluene-d8	*46.7*		µg/kg wet		*50.0*		*93*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*45.3*		µg/kg wet		*50.0*		*91*	*70-130*		
Surrogate: Dibromofluoromethane	*46.3*		µg/kg wet		*50.0*		*93*	*70-130*		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9020047 - SW846 5030 Soil (high level)										
Blank (9020047-BLK1)										
Prepared & Analyzed: 02-Feb-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg wet	1.0						
Acetone	BRL		µg/kg wet	10.0						
Acrylonitrile	BRL		µg/kg wet	1.0						
Benzene	BRL		µg/kg wet	1.0						
Bromobenzene	BRL		µg/kg wet	1.0						
Bromochloromethane	BRL		µg/kg wet	1.0						
Bromodichloromethane	BRL		µg/kg wet	1.0						
Bromoform	BRL		µg/kg wet	1.0						
Bromomethane	BRL		µg/kg wet	2.0						
2-Butanone (MEK)	BRL		µg/kg wet	10.0						
n-Butylbenzene	BRL		µg/kg wet	1.0						
sec-Butylbenzene	BRL		µg/kg wet	1.0						
tert-Butylbenzene	BRL		µg/kg wet	1.0						
Carbon disulfide	BRL		µg/kg wet	5.0						
Carbon tetrachloride	BRL		µg/kg wet	1.0						
Chlorobenzene	BRL		µg/kg wet	1.0						
Chloroethane	BRL		µg/kg wet	2.0						
Chloroform	BRL		µg/kg wet	1.0						
Chloromethane	BRL		µg/kg wet	2.0						
2-Chlorotoluene	BRL		µg/kg wet	1.0						
4-Chlorotoluene	BRL		µg/kg wet	1.0						
1,2-Dibromo-3-chloropropane	BRL		µg/kg wet	2.0						
Dibromochloromethane	BRL		µg/kg wet	1.0						
1,2-Dibromoethane (EDB)	BRL		µg/kg wet	1.0						
Dibromomethane	BRL		µg/kg wet	1.0						
1,2-Dichlorobenzene	BRL		µg/kg wet	1.0						
1,3-Dichlorobenzene	BRL		µg/kg wet	1.0						
1,4-Dichlorobenzene	BRL		µg/kg wet	1.0						
Dichlorodifluoromethane (Freon12)	BRL		µg/kg wet	2.0						
1,1-Dichloroethane	BRL		µg/kg wet	1.0						
1,2-Dichloroethane	BRL		µg/kg wet	1.0						
1,1-Dichloroethene	BRL		µg/kg wet	1.0						
cis-1,2-Dichloroethene	BRL		µg/kg wet	1.0						
trans-1,2-Dichloroethene	BRL		µg/kg wet	1.0						
1,2-Dichloropropane	BRL		µg/kg wet	1.0						
1,3-Dichloropropane	BRL		µg/kg wet	1.0						
2,2-Dichloropropane	BRL		µg/kg wet	1.0						
1,1-Dichloropropene	BRL		µg/kg wet	1.0						
cis-1,3-Dichloropropene	BRL		µg/kg wet	1.0						
trans-1,3-Dichloropropene	BRL		µg/kg wet	1.0						
Ethylbenzene	BRL		µg/kg wet	1.0						
Hexachlorobutadiene	BRL		µg/kg wet	1.0						
2-Hexanone (MBK)	BRL		µg/kg wet	10.0						
Isopropylbenzene	BRL		µg/kg wet	1.0						
4-Isopropyltoluene	BRL		µg/kg wet	1.0						
Methyl tert-butyl ether	BRL		µg/kg wet	1.0						
4-Methyl-2-pentanone (MIBK)	BRL		µg/kg wet	10.0						
Methylene chloride	BRL		µg/kg wet	10.0						
Naphthalene	BRL		µg/kg wet	1.0						
n-Propylbenzene	BRL		µg/kg wet	1.0						

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9020047 - SW846 5030 Soil (high level)										
Blank (9020047-BLK1)										
Prepared & Analyzed: 02-Feb-09										
Styrene	BRL		µg/kg wet	1.0						
1,1,1,2-Tetrachloroethane	BRL		µg/kg wet	1.0						
1,1,2,2-Tetrachloroethane	BRL		µg/kg wet	1.0						
Tetrachloroethene	BRL		µg/kg wet	1.0						
Toluene	BRL		µg/kg wet	1.0						
1,2,3-Trichlorobenzene	BRL		µg/kg wet	1.0						
1,2,4-Trichlorobenzene	BRL		µg/kg wet	1.0						
1,3,5-Trichlorobenzene	BRL		µg/kg wet	1.0						
1,1,1-Trichloroethane	BRL		µg/kg wet	1.0						
1,1,2-Trichloroethane	BRL		µg/kg wet	1.0						
Trichloroethene	BRL		µg/kg wet	1.0						
Trichlorofluoromethane (Freon 11)	BRL		µg/kg wet	1.0						
1,2,3-Trichloropropane	BRL		µg/kg wet	1.0						
1,2,4-Trimethylbenzene	BRL		µg/kg wet	1.0						
1,3,5-Trimethylbenzene	BRL		µg/kg wet	1.0						
Vinyl chloride	BRL		µg/kg wet	1.0						
m,p-Xylene	BRL		µg/kg wet	2.0						
o-Xylene	BRL		µg/kg wet	1.0						
Tetrahydrofuran	BRL		µg/kg wet	10.0						
Ethyl ether	BRL		µg/kg wet	1.0						
Tert-amyl methyl ether	BRL		µg/kg wet	1.0						
Ethyl tert-butyl ether	BRL		µg/kg wet	1.0						
Di-isopropyl ether	BRL		µg/kg wet	1.0						
Tert-Butanol / butyl alcohol	BRL		µg/kg wet	10.0						
1,4-Dioxane	BRL		µg/kg wet	20.0						
trans-1,4-Dichloro-2-butene	BRL		µg/kg wet	5.0						
Ethanol	BRL		µg/kg wet	400						
Surrogate: 4-Bromofluorobenzene	*30.2*		µg/kg wet		*30.0*		*101*	*70-130*		
Surrogate: Toluene-d8	*31.6*		µg/kg wet		*30.0*		*105*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*29.2*		µg/kg wet		*30.0*		*97*	*70-130*		
Surrogate: Dibromofluoromethane	*31.2*		µg/kg wet		*30.0*		*104*	*70-130*		
LCS (9020047-BS1)										
Prepared & Analyzed: 02-Feb-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	26.3	QC1	µg/kg wet		20.0		132	70-130		
Acetone	13.7		µg/kg wet		20.0		68	7.9-168		
Acrylonitrile	20.7		µg/kg wet		20.0		104	70-130		
Benzene	19.3		µg/kg wet		20.0		97	70-130		
Bromobenzene	22.8		µg/kg wet		20.0		114	70-130		
Bromochloromethane	22.8		µg/kg wet		20.0		114	70-130		
Bromodichloromethane	20.5		µg/kg wet		20.0		102	70-130		
Bromoform	20.1		µg/kg wet		20.0		100	70-130		
Bromomethane	20.6		µg/kg wet		20.0		103	50-134		
2-Butanone (MEK)	20.6		µg/kg wet		20.0		103	44.6-130		
n-Butylbenzene	19.0		µg/kg wet		20.0		95	70-130		
sec-Butylbenzene	21.6		µg/kg wet		20.0		108	70-130		
tert-Butylbenzene	23.6		µg/kg wet		20.0		118	70-130		
Carbon disulfide	24.1		µg/kg wet		20.0		121	70-130		
Carbon tetrachloride	17.8		µg/kg wet		20.0		89	70-130		
Chlorobenzene	23.6		µg/kg wet		20.0		118	70-130		
Chloroethane	18.2		µg/kg wet		20.0		91	59.2-130		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9020047 - SW846 5030 Soil (high level)										
LCS (9020047-BS1)										
Prepared & Analyzed: 02-Feb-09										
Chloroform	22.5		µg/kg wet		20.0		112	70-130		
Chloromethane	19.4		µg/kg wet		20.0		97	70-130		
2-Chlorotoluene	18.9		µg/kg wet		20.0		95	70-130		
4-Chlorotoluene	20.5		µg/kg wet		20.0		103	70-130		
1,2-Dibromo-3-chloropropane	12.3	QC2	µg/kg wet		20.0		61	70-130		
Dibromochloromethane	21.1		µg/kg wet		20.0		105	63.8-130		
1,2-Dibromoethane (EDB)	19.0		µg/kg wet		20.0		95	70-130		
Dibromomethane	20.8		µg/kg wet		20.0		104	70-130		
1,2-Dichlorobenzene	19.3		µg/kg wet		20.0		96	70-130		
1,3-Dichlorobenzene	22.6		µg/kg wet		20.0		113	70-130		
1,4-Dichlorobenzene	21.2		µg/kg wet		20.0		106	70-130		
Dichlorodifluoromethane (Freon12)	17.5		µg/kg wet		20.0		88	41.8-130		
1,1-Dichloroethane	22.6		µg/kg wet		20.0		113	70-130		
1,2-Dichloroethane	21.5		µg/kg wet		20.0		107	70-130		
1,1-Dichloroethene	23.6		µg/kg wet		20.0		118	70-130		
cis-1,2-Dichloroethene	22.7		µg/kg wet		20.0		114	70-130		
trans-1,2-Dichloroethene	21.8		µg/kg wet		20.0		109	70-130		
1,2-Dichloropropane	18.1		µg/kg wet		20.0		90	70-130		
1,3-Dichloropropane	18.0		µg/kg wet		20.0		90	70-130		
2,2-Dichloropropane	11.7	QC2	µg/kg wet		20.0		59	70-130		
1,1-Dichloropropene	20.4		µg/kg wet		20.0		102	70-130		
cis-1,3-Dichloropropene	15.3		µg/kg wet		20.0		77	70-130		
trans-1,3-Dichloropropene	13.1	QC2	µg/kg wet		20.0		65	70-130		
Ethylbenzene	20.4		µg/kg wet		20.0		102	70-130		
Hexachlorobutadiene	20.1		µg/kg wet		20.0		100	68.3-130		
2-Hexanone (MBK)	18.2		µg/kg wet		20.0		91	70-130		
Isopropylbenzene	18.1		µg/kg wet		20.0		90	70-130		
4-Isopropyltoluene	20.0		µg/kg wet		20.0		100	70-130		
Methyl tert-butyl ether	21.0		µg/kg wet		20.0		105	70-130		
4-Methyl-2-pentanone (MIBK)	19.2		µg/kg wet		20.0		96	53.1-132		
Methylene chloride	23.8		µg/kg wet		20.0		119	70-130		
Naphthalene	19.2		µg/kg wet		20.0		96	70-130		
n-Propylbenzene	20.7		µg/kg wet		20.0		104	70-130		
Styrene	21.4		µg/kg wet		20.0		107	70-130		
1,1,1,2-Tetrachloroethane	18.4		µg/kg wet		20.0		92	70-130		
1,1,2,2-Tetrachloroethane	19.6		µg/kg wet		20.0		98	70-130		
Tetrachloroethene	24.4		µg/kg wet		20.0		122	70-130		
Toluene	20.0		µg/kg wet		20.0		100	70-130		
1,2,3-Trichlorobenzene	21.2		µg/kg wet		20.0		106	70-130		
1,2,4-Trichlorobenzene	20.3		µg/kg wet		20.0		102	70-130		
1,3,5-Trichlorobenzene	20.2		µg/kg wet		20.0		101	70-130		
1,1,1-Trichloroethane	19.4		µg/kg wet		20.0		97	70-130		
1,1,2-Trichloroethane	19.4		µg/kg wet		20.0		97	70-130		
Trichloroethene	21.3		µg/kg wet		20.0		106	70-130		
Trichlorofluoromethane (Freon 11)	21.8		µg/kg wet		20.0		109	68.2-130		
1,2,3-Trichloropropane	23.3		µg/kg wet		20.0		117	70-130		
1,2,4-Trimethylbenzene	21.4		µg/kg wet		20.0		107	70-130		
1,3,5-Trimethylbenzene	21.7		µg/kg wet		20.0		108	70-130		
Vinyl chloride	20.2		µg/kg wet		20.0		101	70-130		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9020047 - SW846 5030 Soil (high level)										
LCS (9020047-BS1)										
Prepared & Analyzed: 02-Feb-09										
m,p-Xylene	41.4		µg/kg wet		40.0		103	70-130		
o-Xylene	21.5		µg/kg wet		20.0		107	70-130		
Tetrahydrofuran	20.0		µg/kg wet		20.0		100	70-130		
Ethyl ether	21.4		µg/kg wet		20.0		107	70-130		
Tert-amyl methyl ether	26.4	QC1	µg/kg wet		20.0		132	70-130		
Ethyl tert-butyl ether	12.0	QC2	µg/kg wet		20.0		60	70-130		
Di-isopropyl ether	17.0		µg/kg wet		20.0		85	70-130		
Tert-Butanol / butyl alcohol	205		µg/kg wet		200		102	70-130		
1,4-Dioxane	226		µg/kg wet		200		113	48.7-130		
trans-1,4-Dichloro-2-butene	16.0		µg/kg wet		20.0		80	70-130		
Ethanol	401		µg/kg wet		400		100	70-130		
Surrogate: 4-Bromofluorobenzene	*30.5*		µg/kg wet		*30.0*		*102*	*70-130*		
Surrogate: Toluene-d8	*31.5*		µg/kg wet		*30.0*		*105*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*27.9*		µg/kg wet		*30.0*		*93*	*70-130*		
Surrogate: Dibromofluoromethane	*31.8*		µg/kg wet		*30.0*		*106*	*70-130*		
LCS Dup (9020047-BSD1)										
Prepared & Analyzed: 02-Feb-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	24.8		µg/kg wet		20.0		124	70-130	6	25
Acetone	15.4		µg/kg wet		20.0		77	7.9-168	12	50
Acrylonitrile	21.3		µg/kg wet		20.0		106	70-130	3	25
Benzene	18.7		µg/kg wet		20.0		93	70-130	3	25
Bromobenzene	21.8		µg/kg wet		20.0		109	70-130	5	25
Bromochloromethane	21.2		µg/kg wet		20.0		106	70-130	8	25
Bromodichloromethane	19.4		µg/kg wet		20.0		97	70-130	5	25
Bromoform	18.9		µg/kg wet		20.0		95	70-130	6	25
Bromomethane	19.4		µg/kg wet		20.0		97	50-134	6	50
2-Butanone (MEK)	18.8		µg/kg wet		20.0		94	44.6-130	9	50
n-Butylbenzene	18.2		µg/kg wet		20.0		91	70-130	4	25
sec-Butylbenzene	21.0		µg/kg wet		20.0		105	70-130	3	25
tert-Butylbenzene	22.5		µg/kg wet		20.0		113	70-130	4	25
Carbon disulfide	23.0		µg/kg wet		20.0		115	70-130	5	25
Carbon tetrachloride	16.4		µg/kg wet		20.0		82	70-130	9	25
Chlorobenzene	23.0		µg/kg wet		20.0		115	70-130	2	25
Chloroethane	17.0		µg/kg wet		20.0		85	59.2-130	6	50
Chloroform	21.8		µg/kg wet		20.0		109	70-130	3	25
Chloromethane	18.4		µg/kg wet		20.0		92	70-130	5	25
2-Chlorotoluene	18.5		µg/kg wet		20.0		93	70-130	2	25
4-Chlorotoluene	19.7		µg/kg wet		20.0		98	70-130	4	25
1,2-Dibromo-3-chloropropane	11.8	QC2	µg/kg wet		20.0		59	70-130	4	25
Dibromochloromethane	20.6		µg/kg wet		20.0		103	63.8-130	2	50
1,2-Dibromoethane (EDB)	18.4		µg/kg wet		20.0		92	70-130	3	25
Dibromomethane	19.8		µg/kg wet		20.0		99	70-130	5	25
1,2-Dichlorobenzene	18.6		µg/kg wet		20.0		93	70-130	4	25
1,3-Dichlorobenzene	22.0		µg/kg wet		20.0		110	70-130	3	25
1,4-Dichlorobenzene	20.6		µg/kg wet		20.0		103	70-130	3	25
Dichlorodifluoromethane (Freon12)	16.8		µg/kg wet		20.0		84	41.8-130	4	50
1,1-Dichloroethane	22.5		µg/kg wet		20.0		112	70-130	0.4	25
1,2-Dichloroethane	20.6		µg/kg wet		20.0		103	70-130	4	25
1,1-Dichloroethene	22.9		µg/kg wet		20.0		115	70-130	3	25
cis-1,2-Dichloroethene	21.4		µg/kg wet		20.0		107	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 9020047 - SW846 5030 Soil (high level)										
LCS Dup (9020047-BSD1)										
Prepared & Analyzed: 02-Feb-09										
trans-1,2-Dichloroethene	21.0		µg/kg wet		20.0		105	70-130	4	25
1,2-Dichloropropane	17.8		µg/kg wet		20.0		89	70-130	2	25
1,3-Dichloropropane	17.0		µg/kg wet		20.0		85	70-130	5	25
2,2-Dichloropropane	10.9	QC2	µg/kg wet		20.0		55	70-130	7	25
1,1-Dichloropropene	19.6		µg/kg wet		20.0		98	70-130	4	25
cis-1,3-Dichloropropene	14.8		µg/kg wet		20.0		74	70-130	3	25
trans-1,3-Dichloropropene	12.6	QC2	µg/kg wet		20.0		63	70-130	3	25
Ethylbenzene	19.8		µg/kg wet		20.0		99	70-130	3	25
Hexachlorobutadiene	19.5		µg/kg wet		20.0		98	68.3-130	3	50
2-Hexanone (MBK)	18.7		µg/kg wet		20.0		94	70-130	3	25
Isopropylbenzene	17.4		µg/kg wet		20.0		87	70-130	4	25
4-Isopropyltoluene	19.3		µg/kg wet		20.0		96	70-130	4	25
Methyl tert-butyl ether	20.2		µg/kg wet		20.0		101	70-130	4	25
4-Methyl-2-pentanone (MIBK)	18.4		µg/kg wet		20.0		92	53.1-132	4	50
Methylene chloride	22.9		µg/kg wet		20.0		115	70-130	4	25
Naphthalene	18.8		µg/kg wet		20.0		94	70-130	2	25
n-Propylbenzene	19.5		µg/kg wet		20.0		98	70-130	6	25
Styrene	20.5		µg/kg wet		20.0		102	70-130	4	25
1,1,1,2-Tetrachloroethane	17.8		µg/kg wet		20.0		89	70-130	3	25
1,1,2,2-Tetrachloroethane	19.3		µg/kg wet		20.0		96	70-130	2	25
Tetrachloroethene	22.5		µg/kg wet		20.0		113	70-130	8	25
Toluene	19.4		µg/kg wet		20.0		97	70-130	3	25
1,2,3-Trichlorobenzene	20.8		µg/kg wet		20.0		104	70-130	2	25
1,2,4-Trichlorobenzene	19.4		µg/kg wet		20.0		97	70-130	5	25
1,3,5-Trichlorobenzene	19.4		µg/kg wet		20.0		97	70-130	4	25
1,1,1-Trichloroethane	17.6		µg/kg wet		20.0		88	70-130	10	25
1,1,2-Trichloroethane	19.4		µg/kg wet		20.0		97	70-130	0.2	25
Trichloroethene	20.6		µg/kg wet		20.0		103	70-130	4	25
Trichlorofluoromethane (Freon 11)	21.1		µg/kg wet		20.0		105	68.2-130	3	50
1,2,3-Trichloropropane	22.9		µg/kg wet		20.0		115	70-130	2	25
1,2,4-Trimethylbenzene	20.7		µg/kg wet		20.0		103	70-130	3	25
1,3,5-Trimethylbenzene	21.1		µg/kg wet		20.0		105	70-130	3	25
Vinyl chloride	19.7		µg/kg wet		20.0		98	70-130	2	25
m,p-Xylene	39.8		µg/kg wet		40.0		100	70-130	4	25
o-Xylene	20.6		µg/kg wet		20.0		103	70-130	4	25
Tetrahydrofuran	19.8		µg/kg wet		20.0		99	70-130	1	25
Ethyl ether	20.6		µg/kg wet		20.0		103	70-130	4	50
Tert-amyl methyl ether	25.8		µg/kg wet		20.0		129	70-130	2	25
Ethyl tert-butyl ether	11.6	QC2	µg/kg wet		20.0		58	70-130	3	25
Di-isopropyl ether	16.7		µg/kg wet		20.0		84	70-130	1	25
Tert-Butanol / butyl alcohol	192		µg/kg wet		200		96	70-130	7	25
1,4-Dioxane	225		µg/kg wet		200		112	48.7-130	0.7	25
trans-1,4-Dichloro-2-butene	14.0		µg/kg wet		20.0		70	70-130	14	25
Ethanol	367		µg/kg wet		400		92	70-130	9	30
Surrogate: 4-Bromofluorobenzene	*29.9*		µg/kg wet		*30.0*		*100*	*70-130*		
Surrogate: Toluene-d8	*31.3*		µg/kg wet		*30.0*		*104*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*28.3*		µg/kg wet		*30.0*		*94*	*70-130*		
Surrogate: Dibromofluoromethane	*31.8*		µg/kg wet		*30.0*		*106*	*70-130*		

Matrix Spike (9020047-MS1) **Source: SA90300-09**

Prepared & Analyzed: 02-Feb-09

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9020047 - SW846 5030 Soil (high level)										
Matrix Spike (9020047-MS1)	**Source: SA90344-01**									
Prepared & Analyzed: 02-Feb-09										
Benzene	19.9		µg/kg dry		20.0	BRL	100	70-130		
Chlorobenzene	24.6		µg/kg dry		20.0	BRL	123	70-130		
1,1-Dichloroethene	25.6		µg/kg dry		20.0	BRL	128	70-130		
Toluene	20.8		µg/kg dry		20.0	BRL	104	70-130		
Trichloroethene	23.3		µg/kg dry		20.0	BRL	117	70-130		
Surrogate: 4-Bromofluorobenzene	*32.9*		µg/kg dry		*30.0*		*110*	*70-130*		
Surrogate: Toluene-d8	*31.4*		µg/kg dry		*30.0*		*105*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*29.0*		µg/kg dry		*30.0*		*97*	*70-130*		
Surrogate: Dibromofluoromethane	*31.2*		µg/kg dry		*30.0*		*104*	*70-130*		
Matrix Spike Dup (9020047-MSD1)	**Source: SA90344-01**									
Prepared & Analyzed: 02-Feb-09										
Benzene	21.2		µg/kg dry		20.0	BRL	106	70-130	6	30
Chlorobenzene	25.6		µg/kg dry		20.0	BRL	128	70-130	4	30
1,1-Dichloroethene	33.7	QM7	µg/kg dry		20.0	BRL	168	70-130	27	30
Toluene	22.4		µg/kg dry		20.0	BRL	112	70-130	7	30
Trichloroethene	24.5		µg/kg dry		20.0	BRL	122	70-130	5	30
Surrogate: 4-Bromofluorobenzene	*31.2*		µg/kg dry		*30.0*		*104*	*70-130*		
Surrogate: Toluene-d8	*32.3*		µg/kg dry		*30.0*		*108*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*29.6*		µg/kg dry		*30.0*		*98*	*70-130*		
Surrogate: Dibromofluoromethane	*31.0*		µg/kg dry		*30.0*		*103*	*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 9012003 - SW846 3550B										
Blank (9012003-BLK1)										
Prepared: 30-Jan-09 Analyzed: 01-Feb-09										
Acenaphthene	BRL		µg/kg wet	330						
Acenaphthylene	BRL		µg/kg wet	330						
Aniline	BRL		µg/kg wet	330						
Anthracene	BRL		µg/kg wet	330						
Atrazine	BRL		µg/kg wet	330						
Azobenzene/Diphenyldiazine	BRL		µg/kg wet	330						
Benzidine	BRL		µg/kg wet	330						
Benzo (a) anthracene	BRL		µg/kg wet	330						
Benzo (a) pyrene	BRL		µg/kg wet	330						
Benzo (b) fluoranthene	BRL		µg/kg wet	330						
Benzo (g,h,i) perylene	BRL		µg/kg wet	330						
Benzo (k) fluoranthene	BRL		µg/kg wet	330						
Benzoic acid	BRL		µg/kg wet	330						
Benzyl alcohol	BRL		µg/kg wet	330						
Bis(2-chloroethoxy)methane	BRL		µg/kg wet	330						
Bis(2-chloroethyl)ether	BRL		µg/kg wet	330						
Bis(2-chloroisopropyl)ether	BRL		µg/kg wet	330						
Bis(2-ethylhexyl)phthalate	BRL		µg/kg wet	330						
4-Bromophenyl phenyl ether	BRL		µg/kg wet	330						
Butyl benzyl phthalate	BRL		µg/kg wet	330						
Carbazole	BRL		µg/kg wet	330						
4-Chloro-3-methylphenol	BRL		µg/kg wet	330						
4-Chloroaniline	BRL		µg/kg wet	330						
2-Chloronaphthalene	BRL		µg/kg wet	330						
2-Chlorophenol	BRL		µg/kg wet	330						
4-Chlorophenyl phenyl ether	BRL		µg/kg wet	330						
Chrysene	BRL		µg/kg wet	330						
Dibenzo (a,h) anthracene	BRL		µg/kg wet	330						
Dibenzofuran	BRL		µg/kg wet	330						
1,2-Dichlorobenzene	BRL		µg/kg wet	330						
1,3-Dichlorobenzene	BRL		µg/kg wet	330						
1,4-Dichlorobenzene	BRL		µg/kg wet	330						
3,3'-Dichlorobenzidine	BRL		µg/kg wet	330						
2,4-Dichlorophenol	BRL		µg/kg wet	330						
Diethyl phthalate	BRL		µg/kg wet	330						
Dimethyl phthalate	BRL		µg/kg wet	330						
2,4-Dimethylphenol	BRL		µg/kg wet	330						
Di-n-butyl phthalate	BRL		µg/kg wet	330						
4,6-Dinitro-2-methylphenol	BRL		µg/kg wet	330						
2,4-Dinitrophenol	BRL		µg/kg wet	330						
2,4-Dinitrotoluene	BRL		µg/kg wet	330						
2,6-Dinitrotoluene	BRL		µg/kg wet	330						
Di-n-octyl phthalate	BRL		µg/kg wet	330						
Fluoranthene	BRL		µg/kg wet	330						
Fluorene	BRL		µg/kg wet	330						
Hexachlorobenzene	BRL		µg/kg wet	330						
Hexachlorobutadiene	BRL		µg/kg wet	330						
Hexachlorocyclopentadiene	BRL		µg/kg wet	330						
Hexachloroethane	BRL		µg/kg wet	330						

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9012003 - SW846 3550B										
Blank (9012003-BLK1)										
Prepared: 30-Jan-09 Analyzed: 01-Feb-09										
Indeno (1,2,3-cd) pyrene	BRL		µg/kg wet	330						
1-Methylnaphthalene	BRL		µg/kg wet	330						
Isophorone	BRL		µg/kg wet	330						
2-Methylnaphthalene	BRL		µg/kg wet	330						
2-Methylphenol	BRL		µg/kg wet	330						
3 & 4-Methylphenol	BRL		µg/kg wet	330						
Naphthalene	BRL		µg/kg wet	330						
2-Nitroaniline	BRL		µg/kg wet	330						
3-Nitroaniline	BRL		µg/kg wet	330						
4-Nitroaniline	BRL		µg/kg wet	1320						
Nitrobenzene	BRL		µg/kg wet	330						
2-Nitrophenol	BRL		µg/kg wet	330						
4-Nitrophenol	BRL		µg/kg wet	1320						
N-Nitrosodimethylamine	BRL		µg/kg wet	330						
N-Nitrosodi-n-propylamine	BRL		µg/kg wet	330						
N-Nitrosodiphenylamine	BRL		µg/kg wet	330						
Pentachlorophenol	BRL		µg/kg wet	330						
Phenanthrene	BRL		µg/kg wet	330						
Phenol	BRL		µg/kg wet	330						
Pyrene	BRL		µg/kg wet	330						
Pyridine	BRL		µg/kg wet	330						
1,2,4-Trichlorobenzene	BRL		µg/kg wet	330						
2,4,5-Trichlorophenol	BRL		µg/kg wet	330						
2,4,6-Trichlorophenol	BRL		µg/kg wet	330						
Pentachloronitrobenzene	BRL		µg/kg wet	330						
1,2,4,5-Tetrachlorobenzene	BRL		µg/kg wet	330						
Surrogate: 2-Fluorobiphenyl	*2150*		µg/kg wet		*3330*		*64*	*30-130*		
Surrogate: 2-Fluorophenol	*1330*		µg/kg wet		*3330*		*40*	*15-110*		
Surrogate: Nitrobenzene-d5	*1990*		µg/kg wet		*3330*		*60*	*30-130*		
Surrogate: Phenol-d5	*1620*		µg/kg wet		*3330*		*49*	*15-110*		
Surrogate: Terphenyl-d14	*2050*		µg/kg wet		*3330*		*61*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*2190*		µg/kg wet		*3330*		*66*	*15-110*		
LCS (9012003-BS1)										
Prepared: 30-Jan-09 Analyzed: 01-Feb-09										
Acenaphthene	2610		µg/kg wet	330	3330		78	40-130		
Acenaphthylene	2550		µg/kg wet	330	3330		76	40-130		
Aniline	817	QC2	µg/kg wet	330	3330		25	40-130		
Anthracene	2740		µg/kg wet	330	3330		82	40-130		
Atrazine	3200		µg/kg wet	330	3330		96	40-130		
Azobenzene/Diphenyldiazine	2940		µg/kg wet	330	3330		88	40-130		
Benzidine	60.0		µg/kg wet	330	3330		2	0-130		
Benzo (a) anthracene	2330		µg/kg wet	330	3330		70	40-130		
Benzo (a) pyrene	2490		µg/kg wet	330	3330		75	40-130		
Benzo (b) fluoranthene	2270		µg/kg wet	330	3330		68	40-130		
Benzo (g,h,i) perylene	2460		µg/kg wet	330	3330		74	40-130		
Benzo (k) fluoranthene	2870		µg/kg wet	330	3330		86	40-130		
Benzoic acid	2950		µg/kg wet	330	3330		88	19.5-130		
Benzyl alcohol	2660		µg/kg wet	330	3330		80	40-130		
Bis(2-chloroethoxy)methane	2840		µg/kg wet	330	3330		85	40-130		
Bis(2-chloroethyl)ether	3270		µg/kg wet	330	3330		98	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 9012003 - SW846 3550B										
LCS (9012003-BS1)										
Prepared: 30-Jan-09 Analyzed: 01-Feb-09										
Bis(2-chloroisopropyl)ether	2740		µg/kg wet	330	3330		82	40-130		
Bis(2-ethylhexyl)phthalate	2850		µg/kg wet	330	3330		85	40-130		
4-Bromophenyl phenyl ether	2850		µg/kg wet	330	3330		86	40-130		
Butyl benzyl phthalate	2690		µg/kg wet	330	3330		81	40-130		
Carbazole	4220		µg/kg wet	330	3330		127	40-130		
4-Chloro-3-methylphenol	2880		µg/kg wet	330	3330		87	40-130		
4-Chloroaniline	1560		µg/kg wet	330	3330		47	40-130		
2-Chloronaphthalene	2320		µg/kg wet	330	3330		70	40-130		
2-Chlorophenol	2440		µg/kg wet	330	3330		73	40-130		
4-Chlorophenyl phenyl ether	2900		µg/kg wet	330	3330		87	40-130		
Chrysene	2410		µg/kg wet	330	3330		72	40-130		
Dibenzo (a,h) anthracene	2500		µg/kg wet	330	3330		75	40-130		
Dibenzofuran	2510		µg/kg wet	330	3330		75	40-130		
1,2-Dichlorobenzene	2350		µg/kg wet	330	3330		70	40-130		
1,3-Dichlorobenzene	1900		µg/kg wet	330	3330		57	40-130		
1,4-Dichlorobenzene	2500		µg/kg wet	330	3330		75	40-130		
3,3'-Dichlorobenzidine	2760		µg/kg wet	330	3330		83	40-130		
2,4-Dichlorophenol	2480		µg/kg wet	330	3330		74	40-130		
Diethyl phthalate	2880		µg/kg wet	330	3330		86	40-130		
Dimethyl phthalate	2800		µg/kg wet	330	3330		84	40-130		
2,4-Dimethylphenol	2400		µg/kg wet	330	3330		72	40-130		
Di-n-butyl phthalate	3070		µg/kg wet	330	3330		92	40-130		
4,6-Dinitro-2-methylphenol	2580		µg/kg wet	330	3330		77	40-130		
2,4-Dinitrophenol	2610		µg/kg wet	330	3330		78	40-130		
2,4-Dinitrotoluene	2590		µg/kg wet	330	3330		78	40-130		
2,6-Dinitrotoluene	2500		µg/kg wet	330	3330		75	40-130		
Di-n-octyl phthalate	3160		µg/kg wet	330	3330		95	40-130		
Fluoranthene	2710		µg/kg wet	330	3330		81	40-130		
Fluorene	2660		µg/kg wet	330	3330		80	40-130		
Hexachlorobenzene	2430		µg/kg wet	330	3330		73	40-130		
Hexachlorobutadiene	2270		µg/kg wet	330	3330		68	40-130		
Hexachlorocyclopentadiene	1800		µg/kg wet	330	3330		54	40-130		
Hexachloroethane	2310		µg/kg wet	330	3330		69	40-130		
Indeno (1,2,3-cd) pyrene	2390		µg/kg wet	330	3330		72	40-130		
1-Methylnaphthalene	2640		µg/kg wet	330	3330		79	40-140		
Isophorone	2600		µg/kg wet	330	3330		78	40-130		
2-Methylnaphthalene	2430		µg/kg wet	330	3330		73	40-130		
2-Methylphenol	2390		µg/kg wet	330	3330		72	40-130		
3 & 4-Methylphenol	3010		µg/kg wet	330	3330		90	40-130		
Naphthalene	2520		µg/kg wet	330	3330		76	40-130		
2-Nitroaniline	2560		µg/kg wet	330	3330		77	40-130		
3-Nitroaniline	2320		µg/kg wet	330	3330		70	40-130		
4-Nitroaniline	2770		µg/kg wet	1320	3330		83	40-130		
Nitrobenzene	2440		µg/kg wet	330	3330		73	40-130		
2-Nitrophenol	2430		µg/kg wet	330	3330		73	40-130		
4-Nitrophenol	2910		µg/kg wet	1320	3330		87	40-130		
N-Nitrosodimethylamine	2190		µg/kg wet	330	3330		66	40-130		
N-Nitrosodi-n-propylamine	2990		µg/kg wet	330	3330		90	40-130		
N-Nitrosodiphenylamine	3040		µg/kg wet	330	3330		91	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 9012003 - SW846 3550B										
LCS (9012003-BS1)										
Prepared: 30-Jan-09 Analyzed: 01-Feb-09										
Pentachlorophenol	2640		µg/kg wet	330	3330		79	40-130		
Phenanthrene	2640		µg/kg wet	330	3330		79	40-130		
Phenol	2570		µg/kg wet	330	3330		77	40-130		
Pyrene	2360		µg/kg wet	330	3330		71	40-130		
Pyridine	509		µg/kg wet	330	3330		15	0-130		
1,2,4-Trichlorobenzene	2180		µg/kg wet	330	3330		65	40-130		
2,4,5-Trichlorophenol	2620		µg/kg wet	330	3330		79	40-130		
2,4,6-Trichlorophenol	2260		µg/kg wet	330	3330		68	40-130		
Pentachloronitrobenzene	3150		µg/kg wet	330	3330		95	40-140		
1,2,4,5-Tetrachlorobenzene	2110		µg/kg wet	330	3330		63	40-140		
Surrogate: 2-Fluorobiphenyl	*2430*		µg/kg wet		*3330*		*73*	*30-130*		
Surrogate: 2-Fluorophenol	*2050*		µg/kg wet		*3330*		*62*	*15-110*		
Surrogate: Nitrobenzene-d5	*2680*		µg/kg wet		*3330*		*80*	*30-130*		
Surrogate: Phenol-d5	*2120*		µg/kg wet		*3330*		*63*	*15-110*		
Surrogate: Terphenyl-dl4	*2150*		µg/kg wet		*3330*		*64*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*2790*		µg/kg wet		*3330*		*84*	*15-110*		
Duplicate (9012003-DUP1) **Source: SA90307-01**										
Prepared: 30-Jan-09 Analyzed: 01-Feb-09										
Acenaphthene	BRL		µg/kg dry	676		BRL				50
Acenaphthylene	BRL		µg/kg dry	676		BRL				50
Aniline	BRL		µg/kg dry	676		BRL				50
Anthracene	BRL		µg/kg dry	676		BRL				50
Atrazine	BRL		µg/kg dry	676		BRL				50
Azobenzene/Diphenyldiazine	BRL		µg/kg dry	676		BRL				50
Benzidine	BRL		µg/kg dry	676		BRL				50
Benzo (a) anthracene	BRL		µg/kg dry	676		BRL				50
Benzo (a) pyrene	BRL		µg/kg dry	676		BRL				50
Benzo (b) fluoranthene	BRL		µg/kg dry	676		BRL				50
Benzo (g,h,i) perylene	BRL		µg/kg dry	676		BRL				50
Benzo (k) fluoranthene	BRL		µg/kg dry	676		BRL				50
Benzoic acid	BRL		µg/kg dry	676		BRL				50
Benzyl alcohol	BRL		µg/kg dry	676		BRL				50
Bis(2-chloroethoxy)methane	BRL		µg/kg dry	676		BRL				50
Bis(2-chloroethyl)ether	BRL		µg/kg dry	676		BRL				50
Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	676		BRL				50
Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	676		BRL				50
4-Bromophenyl phenyl ether	BRL		µg/kg dry	676		BRL				50
Butyl benzyl phthalate	BRL		µg/kg dry	676		BRL				50
Carbazole	BRL		µg/kg dry	676		BRL				50
4-Chloro-3-methylphenol	BRL		µg/kg dry	676		BRL				50
4-Chloroaniline	BRL		µg/kg dry	676		BRL				50
2-Chloronaphthalene	BRL		µg/kg dry	676		BRL				50
2-Chlorophenol	BRL		µg/kg dry	676		BRL				50
4-Chlorophenyl phenyl ether	BRL		µg/kg dry	676		BRL				50
Chrysene	BRL		µg/kg dry	676		BRL				50
Dibenzo (a,h) anthracene	BRL		µg/kg dry	676		BRL				50
Dibenzofuran	BRL		µg/kg dry	676		BRL				50
1,2-Dichlorobenzene	BRL		µg/kg dry	676		BRL				50
1,3-Dichlorobenzene	BRL		µg/kg dry	676		BRL				50
1,4-Dichlorobenzene	BRL		µg/kg dry	676		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 9012003 - SW846 3550B										
Duplicate (9012003-DUP1) **Source: SA90307-01**										
Prepared: 30-Jan-09 Analyzed: 01-Feb-09										
3,3'-Dichlorobenzidine	BRL		µg/kg dry	676		BRL				50
2,4-Dichlorophenol	BRL		µg/kg dry	676		BRL				50
Diethyl phthalate	BRL		µg/kg dry	676		BRL				50
Dimethyl phthalate	BRL		µg/kg dry	676		BRL				50
2,4-Dimethylphenol	BRL		µg/kg dry	676		BRL				50
Di-n-butyl phthalate	BRL		µg/kg dry	676		BRL				50
4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	676		BRL				50
2,4-Dinitrophenol	BRL		µg/kg dry	676		BRL				50
2,4-Dinitrotoluene	BRL		µg/kg dry	676		BRL				50
2,6-Dinitrotoluene	BRL		µg/kg dry	676		BRL				50
Di-n-octyl phthalate	BRL		µg/kg dry	676		BRL				50
Fluoranthene	BRL		µg/kg dry	676		BRL				50
Fluorene	BRL		µg/kg dry	676		BRL				50
Hexachlorobenzene	BRL		µg/kg dry	676		BRL				50
Hexachlorobutadiene	BRL		µg/kg dry	676		BRL				50
Hexachlorocyclopentadiene	BRL		µg/kg dry	676		BRL				50
Hexachloroethane	BRL		µg/kg dry	676		BRL				50
Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	676		BRL				50
1-Methylnaphthalene	BRL		µg/kg dry	676		BRL				50
Isophorone	BRL		µg/kg dry	676		BRL				50
2-Methylnaphthalene	BRL		µg/kg dry	676		BRL				50
2-Methylphenol	BRL		µg/kg dry	676		BRL				50
3 & 4-Methylphenol	BRL		µg/kg dry	676		BRL				50
Naphthalene	BRL		µg/kg dry	676		BRL				50
2-Nitroaniline	BRL		µg/kg dry	676		BRL				50
3-Nitroaniline	BRL		µg/kg dry	676		BRL				50
4-Nitroaniline	BRL		µg/kg dry	2700		BRL				50
Nitrobenzene	BRL		µg/kg dry	676		BRL				50
2-Nitrophenol	BRL		µg/kg dry	676		BRL				50
4-Nitrophenol	BRL		µg/kg dry	2700		BRL				50
N-Nitrosodimethylamine	BRL		µg/kg dry	676		BRL				50
N-Nitrosodi-n-propylamine	BRL		µg/kg dry	676		BRL				50
N-Nitrosodiphenylamine	BRL		µg/kg dry	676		BRL				50
Pentachlorophenol	BRL		µg/kg dry	676		BRL				50
Phenanthrene	BRL		µg/kg dry	676		BRL				50
Phenol	BRL		µg/kg dry	676		BRL				50
Pyrene	BRL		µg/kg dry	676		BRL				50
Pyridine	BRL		µg/kg dry	676		BRL				50
1,2,4-Trichlorobenzene	BRL		µg/kg dry	676		BRL				50
2,4,5-Trichlorophenol	BRL		µg/kg dry	676		BRL				50
2,4,6-Trichlorophenol	BRL		µg/kg dry	676		BRL				50
Pentachloronitrobenzene	BRL		µg/kg dry	676		BRL				50
1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	676		BRL				50
Surrogate: 2-Fluorobiphenyl	*2690*		µg/kg dry		*3410*		*79*	*30-130*		
Surrogate: 2-Fluorophenol	*2240*		µg/kg dry		*3410*		*66*	*15-110*		
Surrogate: Nitrobenzene-d5	*2580*		µg/kg dry		*3410*		*76*	*30-130*		
Surrogate: Phenol-d5	*2140*		µg/kg dry		*3410*		*63*	*15-110*		
Surrogate: Terphenyl-d14	*2320*		µg/kg dry		*3410*		*68*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*2290*		µg/kg dry		*3410*		*67*	*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 9012003 - SW846 3550B										
Matrix Spike (9012003-MS1) Source: SA90307-01										
Prepared: 30-Jan-09 Analyzed: 01-Feb-09										
Acenaphthene	2570		µg/kg dry	349	3520	BRL	73	40-140		
Benzo (b) fluoranthene	2160		µg/kg dry	349	3520	BRL	61	40-140		
Benzo (k) fluoranthene	2950		µg/kg dry	349	3520	BRL	84	40-140		
4-Chloro-3-methylphenol	2800		µg/kg dry	349	3520	BRL	80	30-130		
2-Chlorophenol	2420		µg/kg dry	349	3520	BRL	69	30-130		
Chrysene	2390		µg/kg dry	349	3520	BRL	68	40-140		
1,4-Dichlorobenzene	2410		µg/kg dry	349	3520	BRL	68	40-140		
Indeno (1,2,3-cd) pyrene	2120		µg/kg dry	349	3520	BRL	60	40-140		
Naphthalene	2610		µg/kg dry	349	3520	BRL	74	40-140		
4-Nitrophenol	2580		µg/kg dry	1400	3520	BRL	73	30-130		
N-Nitrosodi-n-propylamine	2880		µg/kg dry	349	3520	BRL	82	40-140		
Pentachlorophenol	2320		µg/kg dry	349	3520	BRL	66	30-130		
Phenol	2580		µg/kg dry	349	3520	BRL	73	30-130		
Pyrene	2360		µg/kg dry	349	3520	BRL	67	40-140		
1,2,4-Trichlorobenzene	2190		µg/kg dry	349	3520	BRL	62	40-140		
Surrogate: 2-Fluorobiphenyl	*2550*		µg/kg dry		*3520*		*72*	*30-130*		
Surrogate: 2-Fluorophenol	*2220*		µg/kg dry		*3520*		*63*	*15-110*		
Surrogate: Nitrobenzene-d5	*2780*		µg/kg dry		*3520*		*79*	*30-130*		
Surrogate: Phenol-d5	*2130*		µg/kg dry		*3520*		*61*	*15-110*		
Surrogate: Terphenyl-dl4	*2150*		µg/kg dry		*3520*		*61*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*2720*		µg/kg dry		*3520*		*77*	*15-110*		
Matrix Spike Dup (9012003-MSD1) Source: SA90307-01										
Prepared: 30-Jan-09 Analyzed: 01-Feb-09										
Acenaphthene	2680		µg/kg dry	338	3410	BRL	79	40-140	8	30
Benzo (b) fluoranthene	2160		µg/kg dry	338	3410	BRL	63	40-140	3	30
Benzo (k) fluoranthene	3010		µg/kg dry	338	3410	BRL	88	40-140	5	30
4-Chloro-3-methylphenol	2730		µg/kg dry	338	3410	BRL	80	30-130	0.6	30
2-Chlorophenol	2420		µg/kg dry	338	3410	BRL	71	30-130	3	30
Chrysene	2420		µg/kg dry	338	3410	BRL	71	40-140	4	30
1,4-Dichlorobenzene	2420		µg/kg dry	338	3410	BRL	71	40-140	4	30
Indeno (1,2,3-cd) pyrene	2180		µg/kg dry	338	3410	BRL	64	40-140	6	30
Naphthalene	2620		µg/kg dry	338	3410	BRL	77	40-140	4	30
4-Nitrophenol	2550		µg/kg dry	1350	3410	BRL	75	30-130	2	30
N-Nitrosodi-n-propylamine	2850		µg/kg dry	338	3410	BRL	83	40-140	2	30
Pentachlorophenol	2250		µg/kg dry	338	3410	BRL	66	30-130	0.06	30
Phenol	2510		µg/kg dry	338	3410	BRL	74	30-130	0.7	30
Pyrene	2440		µg/kg dry	338	3410	BRL	72	40-140	6	30
1,2,4-Trichlorobenzene	2250		µg/kg dry	338	3410	BRL	66	40-140	6	30
Surrogate: 2-Fluorobiphenyl	*2570*		µg/kg dry		*3410*		*75*	*30-130*		
Surrogate: 2-Fluorophenol	*2110*		µg/kg dry		*3410*		*62*	*15-110*		
Surrogate: Nitrobenzene-d5	*2740*		µg/kg dry		*3410*		*80*	*30-130*		
Surrogate: Phenol-d5	*2000*		µg/kg dry		*3410*		*59*	*15-110*		
Surrogate: Terphenyl-dl4	*2120*		µg/kg dry		*3410*		*62*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*2580*		µg/kg dry		*3410*		*76*	*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 9012042 - SW846 3550B										
Blank (9012042-BLK1)										
Prepared: 30-Jan-09 Analyzed: 01-Feb-09										
PCB 1016	BRL		µg/kg wet	20.0						
PCB 1221	BRL		µg/kg wet	20.0						
PCB 1232	BRL		µg/kg wet	20.0						
PCB 1242	BRL		µg/kg wet	20.0						
PCB 1248	BRL		µg/kg wet	20.0						
PCB 1254	BRL		µg/kg wet	20.0						
PCB 1260	BRL		µg/kg wet	20.0						
PCB 1262	BRL		µg/kg wet	20.0						
PCB 1268	BRL		µg/kg wet	20.0						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*19.2*		µg/kg wet		*20.0*		*96*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*12.2*		µg/kg wet		*20.0*		*61*	*30-150*		
LCS (9012042-BS1)										
Prepared: 30-Jan-09 Analyzed: 01-Feb-09										
PCB 1016	245		µg/kg wet	20.0	250		98	40-140		
PCB 1260	273		µg/kg wet	20.0	250		109	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*18.5*		µg/kg wet		*20.0*		*92*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*10.1*		µg/kg wet		*20.0*		*50*	*30-150*		
LCS Dup (9012042-BSD1)										
Prepared: 30-Jan-09 Analyzed: 01-Feb-09										
PCB 1016	236		µg/kg wet	20.0	250		95	40-140	4	30
PCB 1260	266		µg/kg wet	20.0	250		106	40-140	3	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*18.1*		µg/kg wet		*20.0*		*90*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*10.1*		µg/kg wet		*20.0*		*50*	*30-150*		
Duplicate (9012042-DUP1) **Source: SA90344-01**										
Prepared: 30-Jan-09 Analyzed: 01-Feb-09										
PCB 1016	BRL		µg/kg dry	20.4		BRL				40
PCB 1221	BRL		µg/kg dry	20.4		BRL				40
PCB 1232	BRL		µg/kg dry	20.4		BRL				40
PCB 1242	BRL		µg/kg dry	20.4		BRL				40
PCB 1248	BRL		µg/kg dry	20.4		BRL				40
PCB 1254	BRL		µg/kg dry	20.4		BRL				40
PCB 1260	BRL		µg/kg dry	20.4		BRL				40
PCB 1262	BRL		µg/kg dry	20.4		BRL				40
PCB 1268	BRL		µg/kg dry	20.4		BRL				40
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*18.0*		µg/kg dry		*20.4*		*88*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*10.8*		µg/kg dry		*20.4*		*53*	*30-150*		
Matrix Spike (9012042-MS1) **Source: SA90344-01**										
Prepared: 30-Jan-09 Analyzed: 01-Feb-09										
PCB 1016	222		µg/kg dry	20.2	252	BRL	88	40-140		
PCB 1260	250		µg/kg dry	20.2	252	BRL	99	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*17.6*		µg/kg dry		*20.1*		*87*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*10.1*		µg/kg dry		*20.1*		*50*	*30-150*		
Matrix Spike Dup (9012042-MSD1) **Source: SA90344-01**										
Prepared: 30-Jan-09 Analyzed: 01-Feb-09										
PCB 1016	246		µg/kg dry	21.6	270	BRL	91	40-140	3	50
PCB 1260	275		µg/kg dry	21.6	270	BRL	102	40-140	2	50
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*19.4*		µg/kg dry		*21.6*		*90*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*11.0*		µg/kg dry		*21.6*		*51*	*30-150*		
Batch 9020015 - SW846 3550B										

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9020015 - SW846 3550B										
Blank (9020015-BLK1)										
Prepared: 02-Feb-09 Analyzed: 03-Feb-09										
2,4,5-T	BRL		µg/kg wet	6.70						
2,4,5-T [2C]	BRL		µg/kg wet	6.70						
2,4,5-TP (Silvex)	BRL		µg/kg wet	6.70						
2,4,5-TP (Silvex) [2C]	BRL		µg/kg wet	6.70						
2,4-D	BRL		µg/kg wet	6.70						
2,4-D [2C]	BRL		µg/kg wet	6.70						
2,4-DB	BRL		µg/kg wet	6.70						
2,4-DB [2C]	BRL		µg/kg wet	6.70						
Dalapon	BRL		µg/kg wet	6.70						
Dalapon [2C]	BRL		µg/kg wet	6.70						
Dicamba	BRL		µg/kg wet	6.70						
Dicamba [2C]	BRL		µg/kg wet	6.70						
Dichlorprop	BRL		µg/kg wet	6.70						
Dichlorprop [2C]	BRL		µg/kg wet	6.70						
Dinoseb	BRL		µg/kg wet	6.70						
Dinoseb [2C]	BRL		µg/kg wet	6.70						
MCPA	BRL		µg/kg wet	670						
MCPA [2C]	BRL		µg/kg wet	670						
MCPB	BRL		µg/kg wet	670						
MCPB [2C]	BRL		µg/kg wet	670						
MCPP	BRL		µg/kg wet	670						
MCPP [2C]	BRL		µg/kg wet	670						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*6.07*		µg/kg wet		*13.3*		*46*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [:	*5.60*		µg/kg wet		*13.3*		*42*	*30-150*		
LCS (9020015-BS1)										
Prepared: 02-Feb-09 Analyzed: 03-Feb-09										
2,4,5-T	28.7		µg/kg wet	6.70	33.3		86	40-140		
2,4,5-T [2C]	31.0		µg/kg wet	6.70	33.3		93	40-140		
2,4,5-TP (Silvex)	29.9		µg/kg wet	6.70	33.3		90	40-140		
2,4,5-TP (Silvex) [2C]	32.9		µg/kg wet	6.70	33.3		99	40-140		
2,4-D	27.0		µg/kg wet	6.70	33.3		81	40-140		
2,4-D [2C]	31.0		µg/kg wet	6.70	33.3		93	40-140		
2,4-DB	29.0		µg/kg wet	6.70	33.3		87	40-140		
2,4-DB [2C]	29.7		µg/kg wet	6.70	33.3		89	40-140		
Dalapon	20.7		µg/kg wet	6.70	33.3		62	40-140		
Dalapon [2C]	22.1		µg/kg wet	6.70	33.3		66	40-140		
Dicamba	29.0		µg/kg wet	6.70	33.3		87	40-140		
Dicamba [2C]	29.8		µg/kg wet	6.70	33.3		89	40-140		
Dichlorprop	32.9		µg/kg wet	6.70	33.3		99	40-140		
Dichlorprop [2C]	34.7		µg/kg wet	6.70	33.3		104	40-140		
Dinoseb	32.5		µg/kg wet	6.70	33.3		97	40-140		
Dinoseb [2C]	34.8		µg/kg wet	6.70	33.3		104	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*10.9*		µg/kg wet		*13.3*		*82*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [:	*11.7*		µg/kg wet		*13.3*		*88*	*30-150*		
LCS (9020015-BS2)										
Prepared: 02-Feb-09 Analyzed: 03-Feb-09										
MCPA	14000		µg/kg wet	670	20000		70	40-140		
MCPA [2C]	13500		µg/kg wet	670	20000		67	40-140		
MCPB	14700		µg/kg wet	670	20000		74	40-140		

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9020015 - SW846 3550B										
LCS (9020015-BS2)										
Prepared: 02-Feb-09 Analyzed: 03-Feb-09										
MCPB [2C]	14400		µg/kg wet	670	20000		72	40-140		
MCPP	14100		µg/kg wet	670	20000		71	40-140		
MCPP [2C]	17300		µg/kg wet	670	20000		87	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*11.7*		µg/kg wet		*13.3*		*88*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [:	*11.7*		µg/kg wet		*13.3*		*88*	*30-150*		
LCS Dup (9020015-BSD1)										
Prepared: 02-Feb-09 Analyzed: 03-Feb-09										
2,4,5-T	31.9		µg/kg wet	6.70	33.3		96	40-140	11	25
2,4,5-T [2C]	33.1		µg/kg wet	6.70	33.3		99	40-140	7	25
2,4,5-TP (Silvex)	32.5		µg/kg wet	6.70	33.3		98	40-140	9	25
2,4,5-TP (Silvex) [2C]	35.9		µg/kg wet	6.70	33.3		108	40-140	9	25
2,4-D	29.4		µg/kg wet	6.70	33.3		88	40-140	9	25
2,4-D [2C]	28.7		µg/kg wet	6.70	33.3		86	40-140	8	25
2,4-DB	32.1		µg/kg wet	6.70	33.3		96	40-140	10	25
2,4-DB [2C]	31.5		µg/kg wet	6.70	33.3		94	40-140	6	25
Dalapon	20.4		µg/kg wet	6.70	33.3		61	40-140	2	25
Dalapon [2C]	20.7		µg/kg wet	6.70	33.3		62	40-140	7	25
Dicamba	30.9		µg/kg wet	6.70	33.3		93	40-140	6	25
Dicamba [2C]	29.7		µg/kg wet	6.70	33.3		89	40-140	0.2	25
Dichlorprop	34.3		µg/kg wet	6.70	33.3		103	40-140	4	25
Dichlorprop [2C]	31.0		µg/kg wet	6.70	33.3		93	40-140	11	25
Dinoseb	34.2		µg/kg wet	6.70	33.3		103	40-140	5	25
Dinoseb [2C]	36.3		µg/kg wet	6.70	33.3		109	40-140	4	25
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*11.4*		µg/kg wet		*13.3*		*86*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [:	*12.0*		µg/kg wet		*13.3*		*90*	*30-150*		
LCS Dup (9020015-BSD2)										
Prepared: 02-Feb-09 Analyzed: 03-Feb-09										
MCPA	13900		µg/kg wet	670	20000		69	40-140	1	25
MCPA [2C]	13900		µg/kg wet	670	20000		69	40-140	3	25
MCPB	14700		µg/kg wet	670	20000		73	40-140	0.5	25
MCPB [2C]	14400		µg/kg wet	670	20000		72	40-140	0	25
MCPP	14400		µg/kg wet	670	20000		72	40-140	2	25
MCPP [2C]	16300		µg/kg wet	670	20000		81	40-140	6	25
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*11.5*		µg/kg wet		*13.3*		*86*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [:	*11.8*		µg/kg wet		*13.3*		*89*	*30-150*		
Duplicate (9020015-DUP1) **Source: SA90344-04**										
Prepared: 02-Feb-09 Analyzed: 03-Feb-09										
2,4,5-T	BRL		µg/kg dry	6.70		BRL				30
2,4,5-T [2C]	BRL		µg/kg dry	6.70		BRL				30
2,4,5-TP (Silvex)	BRL		µg/kg dry	6.70		BRL				30
2,4,5-TP (Silvex) [2C]	BRL		µg/kg dry	6.70		BRL				30
2,4-D	BRL		µg/kg dry	6.70		BRL				30
2,4-D [2C]	BRL		µg/kg dry	6.70		BRL				30
2,4-DB	BRL		µg/kg dry	6.70		BRL				30
2,4-DB [2C]	BRL		µg/kg dry	6.70		BRL				30
Dalapon	BRL		µg/kg dry	6.70		BRL				30
Dalapon [2C]	BRL		µg/kg dry	6.70		BRL				30
Dicamba	BRL		µg/kg dry	6.70		BRL				30
Dicamba [2C]	BRL		µg/kg dry	6.70		BRL				30

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9020015 - SW846 3550B										
Duplicate (9020015-DUP1) **Source: SA90344-04**										
Prepared: 02-Feb-09 Analyzed: 03-Feb-09										
Dichlorprop	BRL		µg/kg dry	6.70		BRL				30
Dichlorprop [2C]	BRL		µg/kg dry	6.70		BRL				30
Dinoseb	BRL		µg/kg dry	6.70		BRL				30
Dinoseb [2C]	BRL		µg/kg dry	6.70		BRL				30
MCPA	BRL		µg/kg dry	670		BRL				30
MCPA [2C]	BRL		µg/kg dry	670		BRL				30
MCPB	BRL		µg/kg dry	670		BRL				30
MCPB [2C]	BRL		µg/kg dry	670		BRL				30
MCPP	BRL		µg/kg dry	670		BRL				30
MCPP [2C]	BRL		µg/kg dry	670		BRL				30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*13.3*		µg/kg dry		*14.6*		*92*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [:	*12.2*		µg/kg dry		*14.6*		*83*	*30-150*		

Extractable Petroleum Hydrocarbons - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9012000 - SW846 3550B										
Blank (9012000-BLK1)										
Prepared: 30-Jan-09 Analyzed: 02-Feb-09										
Gasoline	BRL		mg/kg wet	13.3						
Fuel Oil #2	BRL		mg/kg wet	13.3						
Fuel Oil #4	BRL		mg/kg wet	13.3						
Fuel Oil #6	BRL		mg/kg wet	13.3						
Motor Oil	BRL		mg/kg wet	13.3						
Aviation Fuel	BRL		mg/kg wet	13.3						
Unidentified	BRL		mg/kg wet	13.3						
Other Oil	BRL		mg/kg wet	13.3						
Total Petroleum Hydrocarbons	BRL		mg/kg wet	13.3						
C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg wet	13.3						
Surrogate: 1-Chlorooctadecane	*2.56*		mg/kg wet		*3.33*		*77*	*50-150*		
LCS (9012000-BS1)										
Prepared: 30-Jan-09 Analyzed: 02-Feb-09										
C9-C36 Aliphatic Hydrocarbons	59.0		mg/kg wet	13.3	93.3		63	60-120		
Surrogate: 1-Chlorooctadecane	*2.38*		mg/kg wet		*3.33*		*71*	*50-150*		
Duplicate (9012000-DUP1) **Source: SA90307-01**										
Prepared: 30-Jan-09 Analyzed: 02-Feb-09										
Gasoline	BRL		mg/kg dry	27.2		BRL				50
Fuel Oil #2	BRL		mg/kg dry	27.2		BRL				50
Fuel Oil #4	BRL		mg/kg dry	27.2		BRL				50
Fuel Oil #6	BRL		mg/kg dry	27.2		BRL				50
Motor Oil	BRL		mg/kg dry	27.2		BRL				50
Aviation Fuel	BRL		mg/kg dry	27.2		BRL				50
Unidentified	BRL		mg/kg dry	27.2		BRL				50
Other Oil	BRL		mg/kg dry	27.2		BRL				50
Total Petroleum Hydrocarbons	BRL		mg/kg dry	27.2		BRL				50
C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	27.2		BRL				50
Surrogate: 1-Chlorooctadecane	*2.69*		mg/kg dry		*3.41*		*79*	*50-150*		
Matrix Spike (9012000-MS1) **Source: SA90307-01**										
Prepared: 30-Jan-09 Analyzed: 02-Feb-09										
C9-C36 Aliphatic Hydrocarbons	63.4		mg/kg dry	14.0	98.3	BRL	64	50-150		
Surrogate: 1-Chlorooctadecane	*2.57*		mg/kg dry		*3.51*		*73*	*50-150*		
Matrix Spike Dup (9012000-MSD1) **Source: SA90307-01**										
Prepared: 30-Jan-09 Analyzed: 02-Feb-09										
C9-C36 Aliphatic Hydrocarbons	66.4		mg/kg dry	13.8	96.9	BRL	68	50-150	6	30
Surrogate: 1-Chlorooctadecane	*2.75*		mg/kg dry		*3.46*		*79*	*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 9011820 - SW846 3050B										
Blank (9011820-BLK1)										
Prepared: 28-Jan-09 Analyzed: 29-Jan-09										
Selenium	BRL		mg/kg wet	1.42						
Lead	BRL		mg/kg wet	1.42						
Silver	BRL		mg/kg wet	1.42						
Chromium	BRL		mg/kg wet	0.946						
Arsenic	BRL		mg/kg wet	1.42						
Cadmium	BRL		mg/kg wet	0.473						
Barium	BRL		mg/kg wet	0.946						
Duplicate (9011820-DUP1) Source: SA90325-13										
Prepared: 28-Jan-09 Analyzed: 29-Jan-09										
Lead	23.2	QR6	mg/kg dry	1.80		6.91			108	20
Selenium	BRL		mg/kg dry	1.80		BRL				20
Cadmium	0.913	QR6	mg/kg dry	0.600		0.552			49	20
Arsenic	1.41	J,QR8	mg/kg dry	1.80		0.836			51	20
Silver	BRL		mg/kg dry	1.80		BRL				20
Chromium	16.2		mg/kg dry	1.20		13.9			15	20
Barium	50.5		mg/kg dry	1.20		52.7			4	20
Matrix Spike (9011820-MS1) Source: SA90344-01										
Prepared: 28-Jan-09 Analyzed: 29-Jan-09										
Lead	123		mg/kg dry	1.58	132	8.96	86	75-125		
Selenium	123		mg/kg dry	1.58	132	BRL	93	75-125		
Silver	133		mg/kg dry	1.58	132	BRL	101	75-125		
Arsenic	131		mg/kg dry	1.58	132	2.44	98	75-125		
Chromium	146		mg/kg dry	1.05	132	16.9	98	75-125		
Cadmium	116		mg/kg dry	0.526	132	0.522	88	75-125		
Barium	306	QM9	mg/kg dry	1.05	132	225	62	75-125		
Matrix Spike Dup (9011820-MSD1) Source: SA90344-01										
Prepared: 28-Jan-09 Analyzed: 29-Jan-09										
Lead	130		mg/kg dry	1.65	137	8.96	88	75-125	6	20
Selenium	127		mg/kg dry	1.65	137	BRL	93	75-125	4	20
Silver	139		mg/kg dry	1.65	137	BRL	101	75-125	4	20
Arsenic	136		mg/kg dry	1.65	137	2.44	97	75-125	4	20
Cadmium	122		mg/kg dry	0.549	137	0.522	89	75-125	6	20
Chromium	156		mg/kg dry	1.10	137	16.9	101	75-125	6	20
Barium	340		mg/kg dry	1.10	137	225	84	75-125	11	20
Reference (9011820-SRM1)										
Prepared: 28-Jan-09 Analyzed: 30-Jan-09										
Selenium	103		mg/kg wet	1.50	100		103	76.8-123.2		
Lead	36.5		mg/kg wet	1.50	36.8		99	77.5-122.4		
Arsenic	80.7		mg/kg wet	1.50	78.8		102	79.5-120.5		
Cadmium	64.2		mg/kg wet	0.500	71.2		90	80.9-119.9		
Silver	24.5		mg/kg wet	1.50	23.7		103	66.3-133.7		
Chromium	37.9		mg/kg wet	1.00	38.5		98	80.6-119.3		
Barium	196		mg/kg wet	1.00	183		107	82.6-117.1		
Reference (9011820-SRM2)										
Prepared: 28-Jan-09 Analyzed: 30-Jan-09										
Lead	35.3		mg/kg wet	1.50	37.2		95	77.5-122.4		
Selenium	107		mg/kg wet	1.50	101		105	76.8-123.2		

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 9011820 - SW846 3050B										
Reference (9011820-SRM2)										
Prepared: 28-Jan-09 Analyzed: 30-Jan-09										
Chromium	39.0		mg/kg wet	1.00	39.0		100	80.6-119.3		
Silver	25.1		mg/kg wet	1.50	24.0		105	66.3-133.7		
Arsenic	82.2		mg/kg wet	1.50	79.7		103	79.5-120.5		
Cadmium	66.8		mg/kg wet	0.500	72.0		93	80.9-119.9		
Barium	196		mg/kg wet	1.00	185		106	82.6-117.1		
Batch 9011823 - EPA200/SW7000 Series										
Blank (9011823-BLK1)										
Prepared: 28-Jan-09 Analyzed: 29-Jan-09										
Mercury	BRL		mg/kg wet	0.0288						
Duplicate (9011823-DUP1) Source: SA90325-13										
Prepared: 28-Jan-09 Analyzed: 29-Jan-09										
Mercury	0.0307	J,QR8	mg/kg dry	0.0349		0.0397			26	20
Matrix Spike (9011823-MS1) Source: SA90344-01										
Prepared: 28-Jan-09 Analyzed: 29-Jan-09										
Mercury	0.536		mg/kg dry	0.0325	0.451	0.0077	117	75-125		
Matrix Spike Dup (9011823-MSD1) Source: SA90344-01										
Prepared: 28-Jan-09 Analyzed: 29-Jan-09										
Mercury	0.498		mg/kg dry	0.0302	0.419	0.0077	117	75-125	7	20
Reference (9011823-SRM1)										
Prepared: 28-Jan-09 Analyzed: 29-Jan-09										
Mercury	3.14		mg/kg wet	0.0300	3.06		103	66-135		

General Chemistry Parameters - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9011835 - General Preparation										
Duplicate (9011835-DUP1) Source: SA90344-02										
Prepared & Analyzed: 28-Jan-09										
% Solids	91.5		%			89.3			2	20
Batch 9011836 - General Preparation										
Duplicate (9011836-DUP1) Source: SA90338-03										
Prepared & Analyzed: 28-Jan-09										
% Solids	86.3		%			85.7			0.7	20

Notes and Definitions

E	The concentration indicated for this analyte is an estimated value. This value is considered an estimate (CLP E-flag).
QC1	Analyte out of acceptance range.
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.
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 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.
QR6	The RPD exceeded the QC control limits; however precision is demonstrated with acceptable RPD values for MS/MSD.
QR8	Analyses are not controlled on RPD values from sample concentrations that are less 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.
R05	Elevated Reporting Limits due to the presence of high levels of non-target analytes.
VC10	The VOC preserved soil sample is not within the 1:1 weight to volume ratio as recommended by SW846 methods 5030 and 5035 but may be within the 1:1 volume to volume ratio. This variance may affect the final reporting limit.
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.
Nicole Leja

SA90344 UC

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

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.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Tetra Tech Rizzo
150 Trumbull St. 4th fl.
Hartford, CT

Project Mgr.: David Bressard

Invoice To: DAS # 44236

P.O. No.: _____ RQN: _____

Project No.: 127-17797-08011
Site Name: Hartford Brewery
Location: Hartford State: CT
Sampler(s): Patrick J. de Paula

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=_____ 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

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

QA/QC Reporting Level
- [x] Standard
- [ ] No QC
- [ ] Other _____

*State specific reporting standards: CT

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	VOC 8260	SVOC 8270	CT ETPH	PCB 8080	Pesticides 8151	Total RCRA Metals
SA90344-01	RSB-D19	1/23/09	830	G	So	7	3	2			X	X	X	X	X	X
02	RSB-D20	↓	900	↓	↓	↓	↓	↓			↓	↓	↓	↓	↓	↓
03	RSB-D21	↓	930	↓	↓	↓	↓	↓			↓	↓	↓	↓	↓	↓
04	RSB-D16	↓	1050	↓	↓	↓	↓	↓			↓	↓	↓	↓	↓	↓
05	RSB-AS0	↓	1313	↓	↓	↓	↓	↓			↓	↓	↓	↓	↓	↓

- [ ] Fax results when available to (____) _____
- [x] E-mail to patrick.depaula@tetratech.com
EDD Format _____

Condition upon receipt: [ ] Iced [ ] Ambient [x] 6.0

Relinquished by:	Received by:	Date:	Time:
Patrick dePaula	[illegible]	1/27/09	1005
[illegible]	[illegible]	1/27/09	1515

Report Date:
24-Feb-09 12:30

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
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Laboratory Report

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

Project: Tetra Tech Rizzo - Hartford, CT
Project 127RAC-OH

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SA90888-01	Fridge	Methanol/Deionized Water	06-Feb-09 14:50	09-Feb-09 11:59
SA90888-02	Shelf	Methanol/Deionized Water	06-Feb-09 14:50	09-Feb-09 11:59

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 20 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.

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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 samples were received 4.6 degrees Celsius, please refer to the Chain of Custody for details specific to temperature upon receipt. An infrared thermometer with a tolerance of +/- 2.0 degrees Celsius was used immediately upon receipt of the samples.

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

SW846 8260B

Laboratory Control Samples:

9021245-BS1

Analyte out of acceptance range.

1,2-Dibromo-3-chloropropane
2,2-Dichloropropane
Ethyl tert-butyl ether

9021245-BSD1

Analyte out of acceptance range.

Di-isopropyl ether

Spikes:

9021245-MSD1 *Source: SA90963-03*

Analyte out of acceptance range.

Chlorobenzene

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Fridge SA90888-01	127RAC-OH	Methanol/Deionized Water	06-Feb-09 14:50	09-Feb-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)											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg wet	5.0	1	SW846 8260B	17-Feb-09	17-Feb-09	9021103	X
67-64-1	Acetone	BRL		µg/kg wet	50.0	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg wet	5.0	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg wet	5.0	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg wet	5.0	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg wet	5.0	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg wet	10.0	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg wet	50.0	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg wet	25.0	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg wet	5.0	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg wet	10.0	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg wet	5.0	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg wet	10.0	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg wet	10.0	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg wet	5.0	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg wet	5.0	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg wet	5.0	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	5,360	E	µg/kg wet	10.0	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg wet	5.0	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg wet	5.0	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg wet	5.0	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg wet	5.0	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg wet	5.0	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg wet	50.0	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg wet	5.0	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg wet	50.0	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg wet	50.0	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
103-65-1	n-Propylbenzene	BRL		µg/kg wet	5.0	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
Fridge SA90888-01	127RAC-OH	Methanol/Deionized Water	06-Feb-09 14:50	09-Feb-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)											
100-42-5	Styrene	BRL		µg/kg wet	5.0	1	SW846 8260B	17-Feb-09	17-Feb-09	9021103	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg wet	5.0	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg wet	5.0	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg wet	5.0	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg wet	5.0	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg wet	5.0	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg wet	5.0	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg wet	5.0	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg wet	5.0	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg wet	5.0	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg wet	10.0	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg wet	50.0	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg wet	5.0	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg wet	5.0	1	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg wet	5.0	1	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg wet	5.0	1	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg wet	50.0	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg wet	100	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg wet	25.0	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg wet	2000	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*95*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*99*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*125*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*106*		*70-130 %*			"	"	"	"	
Re-analysis of Volatile Organic Compounds											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg wet	50.0	50	SW846 8260B	18-Feb-09	18-Feb-09	9021245	X
67-64-1	Acetone	BRL		µg/kg wet	500	50	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg wet	50.0	50	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg wet	50.0	50	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg wet	50.0	50	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg wet	50.0	50	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg wet	50.0	50	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg wet	50.0	50	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg wet	100	50	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg wet	500	50	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg wet	50.0	50	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg wet	50.0	50	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg wet	50.0	50	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg wet	250	50	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg wet	50.0	50	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg wet	50.0	50	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Fridge SA90888-01	127RAC-OH	Methanol/Deionized Water	06-Feb-09 14:50	09-Feb-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 Soil (high level)											
Re-analysis of Volatile Organic Compounds											
75-00-3	Chloroethane	BRL		µg/kg wet	100	50	SW846 8260B	18-Feb-09	18-Feb-09	9021245	X
67-66-3	Chloroform	BRL		µg/kg wet	50.0	50	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg wet	100	50	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg wet	50.0	50	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg wet	50.0	50	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg wet	100	50	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg wet	50.0	50	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg wet	50.0	50	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg wet	50.0	50	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg wet	50.0	50	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg wet	50.0	50	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg wet	50.0	50	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg wet	100	50	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg wet	50.0	50	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg wet	50.0	50	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg wet	50.0	50	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg wet	50.0	50	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg wet	50.0	50	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg wet	50.0	50	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg wet	50.0	50	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg wet	50.0	50	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg wet	50.0	50	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg wet	50.0	50	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg wet	50.0	50	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg wet	50.0	50	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg wet	50.0	50	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg wet	500	50	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg wet	50.0	50	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg wet	50.0	50	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg wet	50.0	50	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg wet	500	50	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg wet	500	50	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg wet	50.0	50	"	"	"	"	X
103-65-1	n-Propylbenzene	BRL		µg/kg wet	50.0	50	"	"	"	"	X
100-42-5	Styrene	BRL		µg/kg wet	50.0	50	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg wet	50.0	50	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg wet	50.0	50	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg wet	50.0	50	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg wet	50.0	50	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg wet	50.0	50	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg wet	50.0	50	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg wet	50.0	50	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg wet	50.0	50	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg wet	50.0	50	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg wet	50.0	50	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg wet	50.0	50	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg wet	50.0	50	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg wet	50.0	50	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg wet	50.0	50	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Fridge SA90888-01	127RAC-OH	Methanol/Deionized Water	06-Feb-09 14:50	09-Feb-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 Soil (high level)											
Re-analysis of Volatile Organic Compounds											
75-01-4	Vinyl chloride	BRL		µg/kg wet	50.0	50	SW846 8260B	18-Feb-09	18-Feb-09	9021245	X
179601-23-1	m,p-Xylene	BRL		µg/kg wet	100	50	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg wet	50.0	50	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg wet	500	50	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg wet	50.0	50	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg wet	50.0	50	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg wet	50.0	50	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg wet	50.0	50	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg wet	500	50	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg wet	1000	50	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg wet	250	50	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg wet	20000	50	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*94*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*100*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*90*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*93*		*70-130 %*			"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Shelf SA90888-02	127RAC-OH	Methanol/Deionized Water	06-Feb-09 14:50	09-Feb-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)											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg wet	5.0	1	SW846 8260B	17-Feb-09	17-Feb-09	9021103	X
67-64-1	Acetone	BRL		µg/kg wet	50.0	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg wet	5.0	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg wet	5.0	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg wet	5.0	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg wet	5.0	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg wet	10.0	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg wet	50.0	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg wet	25.0	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg wet	5.0	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg wet	10.0	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg wet	5.0	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg wet	10.0	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg wet	10.0	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg wet	5.0	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg wet	5.0	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg wet	5.0	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg wet	10.0	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg wet	5.0	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg wet	5.0	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg wet	5.0	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg wet	5.0	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg wet	5.0	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg wet	50.0	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg wet	5.0	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg wet	50.0	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg wet	50.0	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
103-65-1	n-Propylbenzene	BRL		µg/kg wet	5.0	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
Shelf SA90888-02	127RAC-OH	Methanol/Deionized Water	06-Feb-09 14:50	09-Feb-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)											
100-42-5	Styrene	BRL		µg/kg wet	5.0	1	SW846 8260B	17-Feb-09	17-Feb-09	9021103	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg wet	5.0	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg wet	5.0	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg wet	5.0	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg wet	5.0	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg wet	5.0	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg wet	5.0	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg wet	5.0	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg wet	5.0	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg wet	5.0	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg wet	10.0	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg wet	50.0	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg wet	5.0	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg wet	5.0	1	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg wet	5.0	1	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg wet	5.0	1	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg wet	50.0	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg wet	100	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg wet	25.0	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg wet	2000	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*92*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*99*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*123*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*104*		*70-130 %*			"	"	"	"	

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9021103 - SW846 5035A Soil (low level)										
Blank (9021103-BLK1)										
Prepared & Analyzed: 17-Feb-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg wet	5.0						
Acetone	BRL		µg/kg wet	50.0						
Acrylonitrile	BRL		µg/kg wet	5.0						
Benzene	BRL		µg/kg wet	5.0						
Bromobenzene	BRL		µg/kg wet	5.0						
Bromochloromethane	BRL		µg/kg wet	5.0						
Bromodichloromethane	BRL		µg/kg wet	5.0						
Bromoform	BRL		µg/kg wet	5.0						
Bromomethane	BRL		µg/kg wet	10.0						
2-Butanone (MEK)	BRL		µg/kg wet	50.0						
n-Butylbenzene	BRL		µg/kg wet	5.0						
sec-Butylbenzene	BRL		µg/kg wet	5.0						
tert-Butylbenzene	BRL		µg/kg wet	5.0						
Carbon disulfide	BRL		µg/kg wet	25.0						
Carbon tetrachloride	BRL		µg/kg wet	5.0						
Chlorobenzene	BRL		µg/kg wet	5.0						
Chloroethane	BRL		µg/kg wet	10.0						
Chloroform	BRL		µg/kg wet	5.0						
Chloromethane	BRL		µg/kg wet	10.0						
2-Chlorotoluene	BRL		µg/kg wet	5.0						
4-Chlorotoluene	BRL		µg/kg wet	5.0						
1,2-Dibromo-3-chloropropane	BRL		µg/kg wet	10.0						
Dibromochloromethane	BRL		µg/kg wet	5.0						
1,2-Dibromoethane (EDB)	BRL		µg/kg wet	5.0						
Dibromomethane	BRL		µg/kg wet	5.0						
1,2-Dichlorobenzene	BRL		µg/kg wet	5.0						
1,3-Dichlorobenzene	BRL		µg/kg wet	5.0						
1,4-Dichlorobenzene	BRL		µg/kg wet	5.0						
Dichlorodifluoromethane (Freon12)	BRL		µg/kg wet	10.0						
1,1-Dichloroethane	BRL		µg/kg wet	5.0						
1,2-Dichloroethane	BRL		µg/kg wet	5.0						
1,1-Dichloroethene	BRL		µg/kg wet	5.0						
cis-1,2-Dichloroethene	BRL		µg/kg wet	5.0						
trans-1,2-Dichloroethene	BRL		µg/kg wet	5.0						
1,2-Dichloropropane	BRL		µg/kg wet	5.0						
1,3-Dichloropropane	BRL		µg/kg wet	5.0						
2,2-Dichloropropane	BRL		µg/kg wet	5.0						
1,1-Dichloropropene	BRL		µg/kg wet	5.0						
cis-1,3-Dichloropropene	BRL		µg/kg wet	5.0						
trans-1,3-Dichloropropene	BRL		µg/kg wet	5.0						
Ethylbenzene	BRL		µg/kg wet	5.0						
Hexachlorobutadiene	BRL		µg/kg wet	5.0						
2-Hexanone (MBK)	BRL		µg/kg wet	50.0						
Isopropylbenzene	BRL		µg/kg wet	5.0						
4-Isopropyltoluene	BRL		µg/kg wet	5.0						
Methyl tert-butyl ether	BRL		µg/kg wet	5.0						
4-Methyl-2-pentanone (MIBK)	BRL		µg/kg wet	50.0						
Methylene chloride	BRL		µg/kg wet	50.0						
Naphthalene	BRL		µg/kg wet	5.0						

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9021103 - SW846 5035A Soil (low level)										
Blank (9021103-BLK1)										
Prepared & Analyzed: 17-Feb-09										
n-Propylbenzene	BRL		µg/kg wet	5.0						
Styrene	BRL		µg/kg wet	5.0						
1,1,1,2-Tetrachloroethane	BRL		µg/kg wet	5.0						
1,1,2,2-Tetrachloroethane	BRL		µg/kg wet	5.0						
Tetrachloroethene	BRL		µg/kg wet	5.0						
Toluene	BRL		µg/kg wet	5.0						
1,2,3-Trichlorobenzene	BRL		µg/kg wet	5.0						
1,2,4-Trichlorobenzene	BRL		µg/kg wet	5.0						
1,3,5-Trichlorobenzene	BRL		µg/kg wet	5.0						
1,1,1-Trichloroethane	BRL		µg/kg wet	5.0						
1,1,2-Trichloroethane	BRL		µg/kg wet	5.0						
Trichloroethene	BRL		µg/kg wet	5.0						
Trichlorofluoromethane (Freon 11)	BRL		µg/kg wet	5.0						
1,2,3-Trichloropropane	BRL		µg/kg wet	5.0						
1,2,4-Trimethylbenzene	BRL		µg/kg wet	5.0						
1,3,5-Trimethylbenzene	BRL		µg/kg wet	5.0						
Vinyl chloride	BRL		µg/kg wet	5.0						
m,p-Xylene	BRL		µg/kg wet	10.0						
o-Xylene	BRL		µg/kg wet	5.0						
Tetrahydrofuran	BRL		µg/kg wet	50.0						
Ethyl ether	BRL		µg/kg wet	5.0						
Tert-amyl methyl ether	BRL		µg/kg wet	5.0						
Ethyl tert-butyl ether	BRL		µg/kg wet	5.0						
Di-isopropyl ether	BRL		µg/kg wet	5.0						
Tert-Butanol / butyl alcohol	BRL		µg/kg wet	50.0						
1,4-Dioxane	BRL		µg/kg wet	100						
trans-1,4-Dichloro-2-butene	BRL		µg/kg wet	25.0						
Ethanol	BRL		µg/kg wet	2000						
Surrogate: 4-Bromofluorobenzene	*48.0*		µg/kg wet		*50.0*		*96*	*70-130*		
Surrogate: Toluene-d8	*50.0*		µg/kg wet		*50.0*		*100*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*59.6*		µg/kg wet		*50.0*		*119*	*70-130*		
Surrogate: Dibromofluoromethane	*50.8*		µg/kg wet		*50.0*		*102*	*70-130*		
LCS (9021103-BS1)										
Prepared & Analyzed: 17-Feb-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	22.7		µg/kg wet		20.0		113	70-130		
Acetone	11.6		µg/kg wet		20.0		58	7.9-168		
Acrylonitrile	19.8		µg/kg wet		20.0		99	70-130		
Benzene	19.3		µg/kg wet		20.0		97	70-130		
Bromobenzene	19.6		µg/kg wet		20.0		98	70-130		
Bromochloromethane	20.2		µg/kg wet		20.0		101	70-130		
Bromodichloromethane	21.2		µg/kg wet		20.0		106	70-130		
Bromoform	20.0		µg/kg wet		20.0		100	70-130		
Bromomethane	17.6		µg/kg wet		20.0		88	50-134		
2-Butanone (MEK)	20.7		µg/kg wet		20.0		104	44.6-130		
n-Butylbenzene	19.0		µg/kg wet		20.0		95	70-130		
sec-Butylbenzene	19.6		µg/kg wet		20.0		98	70-130		
tert-Butylbenzene	19.6		µg/kg wet		20.0		98	70-130		
Carbon disulfide	17.3		µg/kg wet		20.0		87	70-130		
Carbon tetrachloride	19.7		µg/kg wet		20.0		98	70-130		
Chlorobenzene	19.0		µg/kg wet		20.0		95	70-130		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9021103 - SW846 5035A Soil (low level)										
LCS (9021103-BS1)										
Prepared & Analyzed: 17-Feb-09										
Chloroethane	17.8		µg/kg wet		20.0		89	59.2-130		
Chloroform	18.1		µg/kg wet		20.0		91	70-130		
Chloromethane	17.6		µg/kg wet		20.0		88	70-130		
2-Chlorotoluene	19.9		µg/kg wet		20.0		99	70-130		
4-Chlorotoluene	19.1		µg/kg wet		20.0		95	70-130		
1,2-Dibromo-3-chloropropane	17.8		µg/kg wet		20.0		89	70-130		
Dibromochloromethane	19.5		µg/kg wet		20.0		98	63.8-130		
1,2-Dibromoethane (EDB)	19.9		µg/kg wet		20.0		99	70-130		
Dibromomethane	20.1		µg/kg wet		20.0		100	70-130		
1,2-Dichlorobenzene	20.6		µg/kg wet		20.0		103	70-130		
1,3-Dichlorobenzene	19.4		µg/kg wet		20.0		97	70-130		
1,4-Dichlorobenzene	18.9		µg/kg wet		20.0		95	70-130		
Dichlorodifluoromethane (Freon12)	17.8		µg/kg wet		20.0		89	41.8-130		
1,1-Dichloroethane	19.4		µg/kg wet		20.0		97	70-130		
1,2-Dichloroethane	20.7		µg/kg wet		20.0		104	70-130		
1,1-Dichloroethene	20.1		µg/kg wet		20.0		101	70-130		
cis-1,2-Dichloroethene	19.9		µg/kg wet		20.0		99	70-130		
trans-1,2-Dichloroethene	18.3		µg/kg wet		20.0		91	70-130		
1,2-Dichloropropane	19.4		µg/kg wet		20.0		97	70-130		
1,3-Dichloropropane	20.3		µg/kg wet		20.0		101	70-130		
2,2-Dichloropropane	20.0		µg/kg wet		20.0		100	70-130		
1,1-Dichloropropene	20.0		µg/kg wet		20.0		100	70-130		
cis-1,3-Dichloropropene	21.3		µg/kg wet		20.0		106	70-130		
trans-1,3-Dichloropropene	20.5		µg/kg wet		20.0		103	70-130		
Ethylbenzene	18.8		µg/kg wet		20.0		94	70-130		
Hexachlorobutadiene	18.6		µg/kg wet		20.0		93	68.3-130		
2-Hexanone (MBK)	18.8		µg/kg wet		20.0		94	70-130		
Isopropylbenzene	16.2		µg/kg wet		20.0		81	70-130		
4-Isopropyltoluene	20.6		µg/kg wet		20.0		103	70-130		
Methyl tert-butyl ether	21.3		µg/kg wet		20.0		107	70-130		
4-Methyl-2-pentanone (MIBK)	19.3		µg/kg wet		20.0		96	53.1-132		
Methylene chloride	18.3		µg/kg wet		20.0		92	70-130		
Naphthalene	20.8		µg/kg wet		20.0		104	70-130		
n-Propylbenzene	18.2		µg/kg wet		20.0		91	70-130		
Styrene	18.6		µg/kg wet		20.0		93	70-130		
1,1,1,2-Tetrachloroethane	19.6		µg/kg wet		20.0		98	70-130		
1,1,2,2-Tetrachloroethane	21.0		µg/kg wet		20.0		105	70-130		
Tetrachloroethene	19.2		µg/kg wet		20.0		96	70-130		
Toluene	19.0		µg/kg wet		20.0		95	70-130		
1,2,3-Trichlorobenzene	19.3		µg/kg wet		20.0		96	70-130		
1,2,4-Trichlorobenzene	18.1		µg/kg wet		20.0		91	70-130		
1,3,5-Trichlorobenzene	18.8		µg/kg wet		20.0		94	70-130		
1,1,1-Trichloroethane	19.9		µg/kg wet		20.0		100	70-130		
1,1,2-Trichloroethane	20.6		µg/kg wet		20.0		103	70-130		
Trichloroethene	19.6		µg/kg wet		20.0		98	70-130		
Trichlorofluoromethane (Freon 11)	21.1		µg/kg wet		20.0		105	68.2-130		
1,2,3-Trichloropropane	24.6		µg/kg wet		20.0		123	70-130		
1,2,4-Trimethylbenzene	19.4		µg/kg wet		20.0		97	70-130		
1,3,5-Trimethylbenzene	19.2		µg/kg 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 9021103 - SW846 5035A Soil (low level)										
LCS (9021103-BS1)										
Prepared & Analyzed: 17-Feb-09										
Vinyl chloride	19.6		µg/kg wet		20.0		98	70-130		
m,p-Xylene	38.3		µg/kg wet		40.0		96	70-130		
o-Xylene	19.5		µg/kg wet		20.0		97	70-130		
Tetrahydrofuran	20.8		µg/kg wet		20.0		104	70-130		
Ethyl ether	25.9		µg/kg wet		20.0		130	70-130		
Tert-amyl methyl ether	19.5		µg/kg wet		20.0		98	70-130		
Ethyl tert-butyl ether	20.7		µg/kg wet		20.0		103	70-130		
Di-isopropyl ether	19.0		µg/kg wet		20.0		95	70-130		
Tert-Butanol / butyl alcohol	202		µg/kg wet		200		101	70-130		
1,4-Dioxane	187		µg/kg wet		200		94	48.7-130		
trans-1,4-Dichloro-2-butene	19.2		µg/kg wet		20.0		96	70-130		
Ethanol	382		µg/kg wet		400		95	70-130		
Surrogate: 4-Bromofluorobenzene	*50.4*		µg/kg wet		*50.0*		*101*	*70-130*		
Surrogate: Toluene-d8	*49.6*		µg/kg wet		*50.0*		*99*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*52.9*		µg/kg wet		*50.0*		*106*	*70-130*		
Surrogate: Dibromofluoromethane	*51.7*		µg/kg wet		*50.0*		*103*	*70-130*		
LCS Dup (9021103-BSD1)										
Prepared & Analyzed: 17-Feb-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	23.2		µg/kg wet		20.0		116	70-130	2	25
Acetone	14.4		µg/kg wet		20.0		72	7.9-168	22	50
Acrylonitrile	20.0		µg/kg wet		20.0		100	70-130	1	25
Benzene	19.3		µg/kg wet		20.0		96	70-130	0.4	25
Bromobenzene	18.8		µg/kg wet		20.0		94	70-130	4	25
Bromochloromethane	19.7		µg/kg wet		20.0		98	70-130	3	25
Bromodichloromethane	20.6		µg/kg wet		20.0		103	70-130	3	25
Bromoform	18.1		µg/kg wet		20.0		90	70-130	10	25
Bromomethane	18.5		µg/kg wet		20.0		92	50-134	5	50
2-Butanone (MEK)	18.6		µg/kg wet		20.0		93	44.6-130	11	50
n-Butylbenzene	19.1		µg/kg wet		20.0		95	70-130	0.4	25
sec-Butylbenzene	20.9		µg/kg wet		20.0		104	70-130	7	25
tert-Butylbenzene	20.7		µg/kg wet		20.0		104	70-130	5	25
Carbon disulfide	17.8		µg/kg wet		20.0		89	70-130	3	25
Carbon tetrachloride	20.3		µg/kg wet		20.0		102	70-130	3	25
Chlorobenzene	19.2		µg/kg wet		20.0		96	70-130	0.8	25
Chloroethane	18.1		µg/kg wet		20.0		90	59.2-130	2	50
Chloroform	18.3		µg/kg wet		20.0		92	70-130	1	25
Chloromethane	18.1		µg/kg wet		20.0		91	70-130	3	25
2-Chlorotoluene	21.1		µg/kg wet		20.0		106	70-130	6	25
4-Chlorotoluene	19.7		µg/kg wet		20.0		99	70-130	3	25
1,2-Dibromo-3-chloropropane	17.8		µg/kg wet		20.0		89	70-130	0.3	25
Dibromochloromethane	18.8		µg/kg wet		20.0		94	63.8-130	4	50
1,2-Dibromoethane (EDB)	18.7		µg/kg wet		20.0		94	70-130	6	25
Dibromomethane	18.6		µg/kg wet		20.0		93	70-130	7	25
1,2-Dichlorobenzene	20.3		µg/kg wet		20.0		101	70-130	1	25
1,3-Dichlorobenzene	19.0		µg/kg wet		20.0		95	70-130	2	25
1,4-Dichlorobenzene	18.6		µg/kg wet		20.0		93	70-130	2	25
Dichlorodifluoromethane (Freon12)	19.3		µg/kg wet		20.0		96	41.8-130	8	50
1,1-Dichloroethane	19.5		µg/kg wet		20.0		98	70-130	0.7	25
1,2-Dichloroethane	19.9		µg/kg wet		20.0		100	70-130	4	25
1,1-Dichloroethene	20.2		µg/kg wet		20.0		101	70-130	0.5	25

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9021103 - SW846 5035A Soil (low level)										
LCS Dup (9021103-BSD1)										
Prepared & Analyzed: 17-Feb-09										
cis-1,2-Dichloroethene	20.2		µg/kg wet		20.0		101	70-130	1	25
trans-1,2-Dichloroethene	17.8		µg/kg wet		20.0		89	70-130	3	25
1,2-Dichloropropane	19.6		µg/kg wet		20.0		98	70-130	1	25
1,3-Dichloropropane	19.1		µg/kg wet		20.0		95	70-130	6	25
2,2-Dichloropropane	20.5		µg/kg wet		20.0		102	70-130	2	25
1,1-Dichloropropene	19.8		µg/kg wet		20.0		99	70-130	1	25
cis-1,3-Dichloropropene	20.8		µg/kg wet		20.0		104	70-130	3	25
trans-1,3-Dichloropropene	19.7		µg/kg wet		20.0		98	70-130	4	25
Ethylbenzene	19.2		µg/kg wet		20.0		96	70-130	2	25
Hexachlorobutadiene	19.4		µg/kg wet		20.0		97	68.3-130	4	50
2-Hexanone (MBK)	16.4		µg/kg wet		20.0		82	70-130	14	25
Isopropylbenzene	16.8		µg/kg wet		20.0		84	70-130	3	25
4-Isopropyltoluene	21.0		µg/kg wet		20.0		105	70-130	2	25
Methyl tert-butyl ether	19.3		µg/kg wet		20.0		96	70-130	10	25
4-Methyl-2-pentanone (MIBK)	15.1		µg/kg wet		20.0		76	53.1-132	24	50
Methylene chloride	18.2		µg/kg wet		20.0		91	70-130	0.3	25
Naphthalene	19.0		µg/kg wet		20.0		95	70-130	9	25
n-Propylbenzene	18.8		µg/kg wet		20.0		94	70-130	4	25
Styrene	18.5		µg/kg wet		20.0		93	70-130	0.3	25
1,1,1,2-Tetrachloroethane	19.0		µg/kg wet		20.0		95	70-130	3	25
1,1,2,2-Tetrachloroethane	18.3		µg/kg wet		20.0		92	70-130	13	25
Tetrachloroethene	19.0		µg/kg wet		20.0		95	70-130	0.7	25
Toluene	19.6		µg/kg wet		20.0		98	70-130	3	25
1,2,3-Trichlorobenzene	18.3		µg/kg wet		20.0		91	70-130	5	25
1,2,4-Trichlorobenzene	16.8		µg/kg wet		20.0		84	70-130	7	25
1,3,5-Trichlorobenzene	18.6		µg/kg wet		20.0		93	70-130	0.8	25
1,1,1-Trichloroethane	19.9		µg/kg wet		20.0		100	70-130	0.2	25
1,1,2-Trichloroethane	19.4		µg/kg wet		20.0		97	70-130	6	25
Trichloroethene	20.0		µg/kg wet		20.0		100	70-130	2	25
Trichlorofluoromethane (Freon 11)	21.7		µg/kg wet		20.0		108	68.2-130	3	50
1,2,3-Trichloropropane	21.1		µg/kg wet		20.0		106	70-130	15	25
1,2,4-Trimethylbenzene	19.8		µg/kg wet		20.0		99	70-130	2	25
1,3,5-Trimethylbenzene	19.6		µg/kg wet		20.0		98	70-130	2	25
Vinyl chloride	20.4		µg/kg wet		20.0		102	70-130	4	25
m,p-Xylene	39.9		µg/kg wet		40.0		100	70-130	4	25
o-Xylene	19.7		µg/kg wet		20.0		99	70-130	1	25
Tetrahydrofuran	19.8		µg/kg wet		20.0		99	70-130	5	25
Ethyl ether	23.6		µg/kg wet		20.0		118	70-130	9	50
Tert-amyl methyl ether	18.8		µg/kg wet		20.0		94	70-130	4	25
Ethyl tert-butyl ether	18.8		µg/kg wet		20.0		94	70-130	9	25
Di-isopropyl ether	18.0		µg/kg wet		20.0		90	70-130	6	25
Tert-Butanol / butyl alcohol	167		µg/kg wet		200		83	70-130	19	25
1,4-Dioxane	218		µg/kg wet		200		109	48.7-130	15	25
trans-1,4-Dichloro-2-butene	16.1		µg/kg wet		20.0		81	70-130	17	25
Ethanol	370		µg/kg wet		400		92	70-130	3	30
Surrogate: 4-Bromofluorobenzene	*49.9*		µg/kg wet		*50.0*		*100*	*70-130*		
Surrogate: Toluene-d8	*50.4*		µg/kg wet		*50.0*		*101*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*48.9*		µg/kg wet		*50.0*		*98*	*70-130*		
Surrogate: Dibromofluoromethane	*49.7*		µg/kg wet		*50.0*		*99*	*70-130*		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9021245 - SW846 5030 Soil (high level)										
Blank (9021245-BLK1)										
Prepared & Analyzed: 18-Feb-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg wet	1.0						
Acetone	BRL		µg/kg wet	10.0						
Acrylonitrile	BRL		µg/kg wet	1.0						
Benzene	BRL		µg/kg wet	1.0						
Bromobenzene	BRL		µg/kg wet	1.0						
Bromochloromethane	BRL		µg/kg wet	1.0						
Bromodichloromethane	BRL		µg/kg wet	1.0						
Bromoform	BRL		µg/kg wet	1.0						
Bromomethane	BRL		µg/kg wet	2.0						
2-Butanone (MEK)	BRL		µg/kg wet	10.0						
n-Butylbenzene	BRL		µg/kg wet	1.0						
sec-Butylbenzene	BRL		µg/kg wet	1.0						
tert-Butylbenzene	BRL		µg/kg wet	1.0						
Carbon disulfide	BRL		µg/kg wet	5.0						
Carbon tetrachloride	BRL		µg/kg wet	1.0						
Chlorobenzene	BRL		µg/kg wet	1.0						
Chloroethane	BRL		µg/kg wet	2.0						
Chloroform	BRL		µg/kg wet	1.0						
Chloromethane	BRL		µg/kg wet	2.0						
2-Chlorotoluene	BRL		µg/kg wet	1.0						
4-Chlorotoluene	BRL		µg/kg wet	1.0						
1,2-Dibromo-3-chloropropane	BRL		µg/kg wet	2.0						
Dibromochloromethane	BRL		µg/kg wet	1.0						
1,2-Dibromoethane (EDB)	BRL		µg/kg wet	1.0						
Dibromomethane	BRL		µg/kg wet	1.0						
1,2-Dichlorobenzene	BRL		µg/kg wet	1.0						
1,3-Dichlorobenzene	BRL		µg/kg wet	1.0						
1,4-Dichlorobenzene	BRL		µg/kg wet	1.0						
Dichlorodifluoromethane (Freon12)	BRL		µg/kg wet	2.0						
1,1-Dichloroethane	BRL		µg/kg wet	1.0						
1,2-Dichloroethane	BRL		µg/kg wet	1.0						
1,1-Dichloroethene	BRL		µg/kg wet	1.0						
cis-1,2-Dichloroethene	BRL		µg/kg wet	1.0						
trans-1,2-Dichloroethene	BRL		µg/kg wet	1.0						
1,2-Dichloropropane	BRL		µg/kg wet	1.0						
1,3-Dichloropropane	BRL		µg/kg wet	1.0						
2,2-Dichloropropane	BRL		µg/kg wet	1.0						
1,1-Dichloropropene	BRL		µg/kg wet	1.0						
cis-1,3-Dichloropropene	BRL		µg/kg wet	1.0						
trans-1,3-Dichloropropene	BRL		µg/kg wet	1.0						
Ethylbenzene	BRL		µg/kg wet	1.0						
Hexachlorobutadiene	BRL		µg/kg wet	1.0						
2-Hexanone (MBK)	BRL		µg/kg wet	10.0						
Isopropylbenzene	BRL		µg/kg wet	1.0						
4-Isopropyltoluene	BRL		µg/kg wet	1.0						
Methyl tert-butyl ether	BRL		µg/kg wet	1.0						
4-Methyl-2-pentanone (MIBK)	BRL		µg/kg wet	10.0						
Methylene chloride	BRL		µg/kg wet	10.0						
Naphthalene	BRL		µg/kg wet	1.0						
n-Propylbenzene	BRL		µg/kg wet	1.0						

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9021245 - SW846 5030 Soil (high level)										
Blank (9021245-BLK1)										
Prepared & Analyzed: 18-Feb-09										
Styrene	BRL		µg/kg wet	1.0						
1,1,1,2-Tetrachloroethane	BRL		µg/kg wet	1.0						
1,1,2,2-Tetrachloroethane	BRL		µg/kg wet	1.0						
Tetrachloroethene	BRL		µg/kg wet	1.0						
Toluene	BRL		µg/kg wet	1.0						
1,2,3-Trichlorobenzene	BRL		µg/kg wet	1.0						
1,2,4-Trichlorobenzene	BRL		µg/kg wet	1.0						
1,3,5-Trichlorobenzene	BRL		µg/kg wet	1.0						
1,1,1-Trichloroethane	BRL		µg/kg wet	1.0						
1,1,2-Trichloroethane	BRL		µg/kg wet	1.0						
Trichloroethene	BRL		µg/kg wet	1.0						
Trichlorofluoromethane (Freon 11)	BRL		µg/kg wet	1.0						
1,2,3-Trichloropropane	BRL		µg/kg wet	1.0						
1,2,4-Trimethylbenzene	BRL		µg/kg wet	1.0						
1,3,5-Trimethylbenzene	BRL		µg/kg wet	1.0						
Vinyl chloride	BRL		µg/kg wet	1.0						
m,p-Xylene	BRL		µg/kg wet	2.0						
o-Xylene	BRL		µg/kg wet	1.0						
Tetrahydrofuran	BRL		µg/kg wet	10.0						
Ethyl ether	BRL		µg/kg wet	1.0						
Tert-amyl methyl ether	BRL		µg/kg wet	1.0						
Ethyl tert-butyl ether	BRL		µg/kg wet	1.0						
Di-isopropyl ether	BRL		µg/kg wet	1.0						
Tert-Butanol / butyl alcohol	BRL		µg/kg wet	10.0						
1,4-Dioxane	BRL		µg/kg wet	20.0						
trans-1,4-Dichloro-2-butene	BRL		µg/kg wet	5.0						
Ethanol	BRL		µg/kg wet	400						
Surrogate: 4-Bromofluorobenzene	*28.3*		µg/kg wet		*30.0*		*94*	*70-130*		
Surrogate: Toluene-d8	*30.0*		µg/kg wet		*30.0*		*100*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*29.5*		µg/kg wet		*30.0*		*98*	*70-130*		
Surrogate: Dibromofluoromethane	*29.0*		µg/kg wet		*30.0*		*97*	*70-130*		
LCS (9021245-BS1)										
Prepared & Analyzed: 18-Feb-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	24.1		µg/kg wet		20.0		120	70-130		
Acetone	8.2		µg/kg wet		20.0		41	7.9-168		
Acrylonitrile	20.2		µg/kg wet		20.0		101	70-130		
Benzene	18.9		µg/kg wet		20.0		94	70-130		
Bromobenzene	23.7		µg/kg wet		20.0		119	70-130		
Bromochloromethane	22.1		µg/kg wet		20.0		111	70-130		
Bromodichloromethane	20.6		µg/kg wet		20.0		103	70-130		
Bromoform	22.6		µg/kg wet		20.0		113	70-130		
Bromomethane	19.9		µg/kg wet		20.0		100	50-134		
2-Butanone (MEK)	21.1		µg/kg wet		20.0		106	44.6-130		
n-Butylbenzene	19.9		µg/kg wet		20.0		99	70-130		
sec-Butylbenzene	22.7		µg/kg wet		20.0		113	70-130		
tert-Butylbenzene	23.4		µg/kg wet		20.0		117	70-130		
Carbon disulfide	19.8		µg/kg wet		20.0		99	70-130		
Carbon tetrachloride	19.0		µg/kg wet		20.0		95	70-130		
Chlorobenzene	25.3		µg/kg wet		20.0		127	70-130		
Chloroethane	18.9		µg/kg wet		20.0		94	59.2-130		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9021245 - SW846 5030 Soil (high level)										
LCS (9021245-BS1)										
Prepared & Analyzed: 18-Feb-09										
Chloroform	20.1		µg/kg wet		20.0		101	70-130		
Chloromethane	19.6		µg/kg wet		20.0		98	70-130		
2-Chlorotoluene	24.5		µg/kg wet		20.0		123	70-130		
4-Chlorotoluene	21.8		µg/kg wet		20.0		109	70-130		
1,2-Dibromo-3-chloropropane	12.8	QC1	µg/kg wet		20.0		64	70-130		
Dibromochloromethane	19.4		µg/kg wet		20.0		97	63.8-130		
1,2-Dibromoethane (EDB)	20.6		µg/kg wet		20.0		103	70-130		
Dibromomethane	19.8		µg/kg wet		20.0		99	70-130		
1,2-Dichlorobenzene	21.8		µg/kg wet		20.0		109	70-130		
1,3-Dichlorobenzene	23.4		µg/kg wet		20.0		117	70-130		
1,4-Dichlorobenzene	21.9		µg/kg wet		20.0		109	70-130		
Dichlorodifluoromethane (Freon12)	21.0		µg/kg wet		20.0		105	41.8-130		
1,1-Dichloroethane	16.2		µg/kg wet		20.0		81	70-130		
1,2-Dichloroethane	19.0		µg/kg wet		20.0		95	70-130		
1,1-Dichloroethene	18.9		µg/kg wet		20.0		95	70-130		
cis-1,2-Dichloroethene	19.3		µg/kg wet		20.0		96	70-130		
trans-1,2-Dichloroethene	15.9		µg/kg wet		20.0		80	70-130		
1,2-Dichloropropane	20.2		µg/kg wet		20.0		101	70-130		
1,3-Dichloropropane	21.0		µg/kg wet		20.0		105	70-130		
2,2-Dichloropropane	27.1	QC1	µg/kg wet		20.0		136	70-130		
1,1-Dichloropropene	18.4		µg/kg wet		20.0		92	70-130		
cis-1,3-Dichloropropene	18.3		µg/kg wet		20.0		92	70-130		
trans-1,3-Dichloropropene	17.8		µg/kg wet		20.0		89	70-130		
Ethylbenzene	21.5		µg/kg wet		20.0		107	70-130		
Hexachlorobutadiene	23.0		µg/kg wet		20.0		115	68.3-130		
2-Hexanone (MBK)	20.1		µg/kg wet		20.0		100	70-130		
Isopropylbenzene	18.8		µg/kg wet		20.0		94	70-130		
4-Isopropyltoluene	22.9		µg/kg wet		20.0		114	70-130		
Methyl tert-butyl ether	20.6		µg/kg wet		20.0		103	70-130		
4-Methyl-2-pentanone (MIBK)	19.3		µg/kg wet		20.0		96	53.1-132		
Methylene chloride	16.4		µg/kg wet		20.0		82	70-130		
Naphthalene	19.2		µg/kg wet		20.0		96	70-130		
n-Propylbenzene	21.9		µg/kg wet		20.0		109	70-130		
Styrene	22.3		µg/kg wet		20.0		112	70-130		
1,1,1,2-Tetrachloroethane	21.2		µg/kg wet		20.0		106	70-130		
1,1,2,2-Tetrachloroethane	22.7		µg/kg wet		20.0		114	70-130		
Tetrachloroethene	23.2		µg/kg wet		20.0		116	70-130		
Toluene	19.5		µg/kg wet		20.0		98	70-130		
1,2,3-Trichlorobenzene	22.5		µg/kg wet		20.0		113	70-130		
1,2,4-Trichlorobenzene	21.5		µg/kg wet		20.0		108	70-130		
1,3,5-Trichlorobenzene	22.3		µg/kg wet		20.0		111	70-130		
1,1,1-Trichloroethane	22.6		µg/kg wet		20.0		113	70-130		
1,1,2-Trichloroethane	21.3		µg/kg wet		20.0		107	70-130		
Trichloroethene	21.1		µg/kg wet		20.0		106	70-130		
Trichlorofluoromethane (Freon 11)	20.1		µg/kg wet		20.0		100	68.2-130		
1,2,3-Trichloropropane	24.7		µg/kg wet		20.0		124	70-130		
1,2,4-Trimethylbenzene	22.4		µg/kg wet		20.0		112	70-130		
1,3,5-Trimethylbenzene	22.2		µg/kg wet		20.0		111	70-130		
Vinyl chloride	21.1		µg/kg wet		20.0		106	70-130		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9021245 - SW846 5030 Soil (high level)										
LCS (9021245-BS1)										
Prepared & Analyzed: 18-Feb-09										
m,p-Xylene	43.1		µg/kg wet		40.0		108	70-130		
o-Xylene	22.4		µg/kg wet		20.0		112	70-130		
Tetrahydrofuran	21.4		µg/kg wet		20.0		107	70-130		
Ethyl ether	18.0		µg/kg wet		20.0		90	70-130		
Tert-amyl methyl ether	17.7		µg/kg wet		20.0		88	70-130		
Ethyl tert-butyl ether	27.2	QC1	µg/kg wet		20.0		136	70-130		
Di-isopropyl ether	14.7		µg/kg wet		20.0		74	70-130		
Tert-Butanol / butyl alcohol	213		µg/kg wet		200		107	70-130		
1,4-Dioxane	260		µg/kg wet		200		130	48.7-130		
trans-1,4-Dichloro-2-butene	24.8		µg/kg wet		20.0		124	70-130		
Ethanol	413		µg/kg wet		400		103	70-130		
Surrogate: 4-Bromofluorobenzene	*28.8*		µg/kg wet		*30.0*		*96*	*70-130*		
Surrogate: Toluene-d8	*30.0*		µg/kg wet		*30.0*		*100*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*28.6*		µg/kg wet		*30.0*		*95*	*70-130*		
Surrogate: Dibromofluoromethane	*29.3*		µg/kg wet		*30.0*		*98*	*70-130*		
LCS Dup (9021245-BSD1)										
Prepared & Analyzed: 18-Feb-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	23.5		µg/kg wet		20.0		118	70-130	2	25
Acetone	8.3		µg/kg wet		20.0		42	7.9-168	0.7	50
Acrylonitrile	16.4		µg/kg wet		20.0		82	70-130	21	25
Benzene	17.4		µg/kg wet		20.0		87	70-130	8	25
Bromobenzene	23.1		µg/kg wet		20.0		115	70-130	3	25
Bromochloromethane	21.6		µg/kg wet		20.0		108	70-130	3	25
Bromodichloromethane	20.4		µg/kg wet		20.0		102	70-130	1	25
Bromoform	22.9		µg/kg wet		20.0		114	70-130	1	25
Bromomethane	16.0		µg/kg wet		20.0		80	50-134	22	50
2-Butanone (MEK)	17.3		µg/kg wet		20.0		87	44.6-130	20	50
n-Butylbenzene	18.9		µg/kg wet		20.0		94	70-130	5	25
sec-Butylbenzene	21.7		µg/kg wet		20.0		109	70-130	4	25
tert-Butylbenzene	23.0		µg/kg wet		20.0		115	70-130	2	25
Carbon disulfide	19.4		µg/kg wet		20.0		97	70-130	2	25
Carbon tetrachloride	19.8		µg/kg wet		20.0		99	70-130	4	25
Chlorobenzene	24.5		µg/kg wet		20.0		123	70-130	3	25
Chloroethane	17.3		µg/kg wet		20.0		87	59.2-130	9	50
Chloroform	18.0		µg/kg wet		20.0		90	70-130	11	25
Chloromethane	19.2		µg/kg wet		20.0		96	70-130	2	25
2-Chlorotoluene	22.6		µg/kg wet		20.0		113	70-130	8	25
4-Chlorotoluene	20.9		µg/kg wet		20.0		105	70-130	4	25
1,2-Dibromo-3-chloropropane	14.3		µg/kg wet		20.0		72	70-130	11	25
Dibromochloromethane	19.3		µg/kg wet		20.0		96	63.8-130	0.6	50
1,2-Dibromoethane (EDB)	20.2		µg/kg wet		20.0		101	70-130	2	25
Dibromomethane	19.3		µg/kg wet		20.0		96	70-130	3	25
1,2-Dichlorobenzene	21.1		µg/kg wet		20.0		106	70-130	3	25
1,3-Dichlorobenzene	23.2		µg/kg wet		20.0		116	70-130	0.9	25
1,4-Dichlorobenzene	21.2		µg/kg wet		20.0		106	70-130	3	25
Dichlorodifluoromethane (Freon12)	19.5		µg/kg wet		20.0		98	41.8-130	8	50
1,1-Dichloroethane	14.7		µg/kg wet		20.0		74	70-130	10	25
1,2-Dichloroethane	17.2		µg/kg wet		20.0		86	70-130	10	25
1,1-Dichloroethene	18.4		µg/kg wet		20.0		92	70-130	3	25
cis-1,2-Dichloroethene	18.5		µg/kg wet		20.0		93	70-130	4	25

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9021245 - SW846 5030 Soil (high level)										
LCS Dup (9021245-BSD1)										
Prepared & Analyzed: 18-Feb-09										
trans-1,2-Dichloroethene	15.4		µg/kg wet		20.0		77	70-130	3	25
1,2-Dichloropropane	18.9		µg/kg wet		20.0		94	70-130	6	25
1,3-Dichloropropane	19.0		µg/kg wet		20.0		95	70-130	10	25
2,2-Dichloropropane	24.5		µg/kg wet		20.0		122	70-130	10	25
1,1-Dichloropropene	17.8		µg/kg wet		20.0		89	70-130	4	25
cis-1,3-Dichloropropene	17.9		µg/kg wet		20.0		89	70-130	3	25
trans-1,3-Dichloropropene	17.7		µg/kg wet		20.0		89	70-130	0.6	25
Ethylbenzene	21.1		µg/kg wet		20.0		105	70-130	2	25
Hexachlorobutadiene	23.6		µg/kg wet		20.0		118	68.3-130	3	50
2-Hexanone (MBK)	16.4		µg/kg wet		20.0		82	70-130	20	25
Isopropylbenzene	18.2		µg/kg wet		20.0		91	70-130	4	25
4-Isopropyltoluene	22.2		µg/kg wet		20.0		111	70-130	3	25
Methyl tert-butyl ether	18.5		µg/kg wet		20.0		92	70-130	11	25
4-Methyl-2-pentanone (MIBK)	17.0		µg/kg wet		20.0		85	53.1-132	13	50
Methylene chloride	14.5		µg/kg wet		20.0		72	70-130	12	25
Naphthalene	18.8		µg/kg wet		20.0		94	70-130	3	25
n-Propylbenzene	21.4		µg/kg wet		20.0		107	70-130	2	25
Styrene	21.7		µg/kg wet		20.0		108	70-130	3	25
1,1,1,2-Tetrachloroethane	22.2		µg/kg wet		20.0		111	70-130	5	25
1,1,2,2-Tetrachloroethane	19.6		µg/kg wet		20.0		98	70-130	15	25
Tetrachloroethene	23.1		µg/kg wet		20.0		116	70-130	0.5	25
Toluene	18.3		µg/kg wet		20.0		91	70-130	7	25
1,2,3-Trichlorobenzene	22.9		µg/kg wet		20.0		115	70-130	2	25
1,2,4-Trichlorobenzene	21.5		µg/kg wet		20.0		108	70-130	0.05	25
1,3,5-Trichlorobenzene	22.9		µg/kg wet		20.0		114	70-130	3	25
1,1,1-Trichloroethane	21.7		µg/kg wet		20.0		109	70-130	4	25
1,1,2-Trichloroethane	20.3		µg/kg wet		20.0		102	70-130	5	25
Trichloroethene	19.4		µg/kg wet		20.0		97	70-130	8	25
Trichlorofluoromethane (Freon 11)	18.5		µg/kg wet		20.0		92	68.2-130	8	50
1,2,3-Trichloropropane	22.4		µg/kg wet		20.0		112	70-130	10	25
1,2,4-Trimethylbenzene	21.8		µg/kg wet		20.0		109	70-130	2	25
1,3,5-Trimethylbenzene	21.8		µg/kg wet		20.0		109	70-130	2	25
Vinyl chloride	18.6		µg/kg wet		20.0		93	70-130	13	25
m,p-Xylene	42.8		µg/kg wet		40.0		107	70-130	0.6	25
o-Xylene	21.4		µg/kg wet		20.0		107	70-130	4	25
Tetrahydrofuran	18.4		µg/kg wet		20.0		92	70-130	15	25
Ethyl ether	16.3		µg/kg wet		20.0		81	70-130	10	50
Tert-amyl methyl ether	15.3		µg/kg wet		20.0		76	70-130	15	25
Ethyl tert-butyl ether	24.8		µg/kg wet		20.0		124	70-130	9	25
Di-isopropyl ether	12.3	QC1	µg/kg wet		20.0		62	70-130	18	25
Tert-Butanol / butyl alcohol	196		µg/kg wet		200		98	70-130	8	25
1,4-Dioxane	224		µg/kg wet		200		112	48.7-130	15	25
trans-1,4-Dichloro-2-butene	24.3		µg/kg wet		20.0		121	70-130	2	25
Ethanol	335		µg/kg wet		400		84	70-130	21	30
Surrogate: 4-Bromofluorobenzene	*28.8*		µg/kg wet		*30.0*		*96*	*70-130*		
Surrogate: Toluene-d8	*29.8*		µg/kg wet		*30.0*		*99*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*26.8*		µg/kg wet		*30.0*		*89*	*70-130*		
Surrogate: Dibromofluoromethane	*29.6*		µg/kg wet		*30.0*		*99*	*70-130*		

Matrix Spike (9021245-MS1) **Source: SA90963-03**

Prepared & Analyzed: 18-Feb-09

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9021245 - SW846 5030 Soil (high level)										
Matrix Spike (9021245-MS1)	**Source: SA90963-03**									
Prepared & Analyzed: 18-Feb-09										
Benzene	17.1		µg/kg dry		20.0	BRL	86	70-130		
Chlorobenzene	23.1		µg/kg dry		20.0	BRL	115	70-130		
1,1-Dichloroethene	17.6		µg/kg dry		20.0	BRL	88	70-130		
Toluene	18.2		µg/kg dry		20.0	BRL	91	70-130		
Trichloroethene	18.5		µg/kg dry		20.0	BRL	92	70-130		
Surrogate: 4-Bromofluorobenzene	*29.4*		µg/kg dry		*30.0*		*98*	*70-130*		
Surrogate: Toluene-d8	*29.8*		µg/kg dry		*30.0*		*99*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*28.2*		µg/kg dry		*30.0*		*94*	*70-130*		
Surrogate: Dibromofluoromethane	*28.7*		µg/kg dry		*30.0*		*96*	*70-130*		
Matrix Spike Dup (9021245-MSD1)	**Source: SA90963-03**									
Prepared & Analyzed: 18-Feb-09										
Benzene	19.9		µg/kg dry		20.0	BRL	100	70-130	15	30
Chlorobenzene	26.3	QC1	µg/kg dry		20.0	BRL	131	70-130	13	30
1,1-Dichloroethene	19.2		µg/kg dry		20.0	BRL	96	70-130	9	30
Toluene	20.4		µg/kg dry		20.0	BRL	102	70-130	12	30
Trichloroethene	21.6		µg/kg dry		20.0	BRL	108	70-130	16	30
Surrogate: 4-Bromofluorobenzene	*29.8*		µg/kg dry		*30.0*		*99*	*70-130*		
Surrogate: Toluene-d8	*29.4*		µg/kg dry		*30.0*		*98*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*28.2*		µg/kg dry		*30.0*		*94*	*70-130*		
Surrogate: Dibromofluoromethane	*29.0*		µg/kg dry		*30.0*		*97*	*70-130*		

Notes and Definitions

E	The concentration indicated for this analyte is an estimated value. This value is considered an estimate (CLP E-flag).
QC1	Analyte out of acceptance range.
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

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

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.
Rebecca Merz

SA 96888 EM

SPECTRUM ANALYTICAL, INC.
Formerly
HANNIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

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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.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Tetra Tech Rizzo Inc
150 Trumbull Street 9th Fl
Hartford, CT 06103-2428

Project Mgr.: Joe Pesko

Invoice To: → SAME

P.O. No.: _____ RQN: _____

Project No.: 127RAC-014
Site Name: Tetra Tech Rizzo
Location: Hartford State: CT
Sampler(s): Joe Pesko

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

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

QA/QC Reporting Level
- [ ] Standard
- [ ] No QC
- [ ] Other _____

State specific reporting standards: Connecticut

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	VOCs by 8260
96888 01	Fridge	2/6/09	14:50	G	79	79	3				X
↓ 02	Shelf	↓	14:55	↓	↓	↓	↓				↓

Relinquished by:	Received by:	Date:	Time:
Joseph T. Pesko III	[illegible]	2-9-09	9:15
[illegible]	Michael [illegible]	2-9-09	1159

- [ ] Fax results when available to (____) _____
- [ ] E-mail to Joseph.Pesko@tetratech.com
EDD Format _____

Condition upon receipt: [ ] Iced [ ] Ambient [x] °C 4.6