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

New Britain - Hartford Busway
Station 702+35 through Station 937+43 (Access Road)

Newington, West Hartford, and 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
2800 Berlin Turnpike, P.O. Box 317546
Newington, CT 06131-7546

Attention: Ms. Judith Nemecek / Ms. Amie Maines

Re: Task 210 - Subsurface Investigation
DOT Project 171-305
DOT Assignment 403-3526
TtR 127-17797-08011
New Britain - Hartford Busway
Station 702+35 through Station 937+43 (Access Road)
Newington, West Hartford, and 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 Access Road to be built jointly with the Bus Route along the Amtrak rail line in Newington, West Hartford, and 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 82 soil borings and the collection and analysis of 82 soil samples. Groundwater was only encountered in a few locations. One groundwater sample was collected and analyzed.

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

P:\17797\08009\TASK 210 REPORTS\ACCESS ROAD TASK 210 DRAFT REPORT\210 ACCESS ROAD.DOC

150 Trumbull Street, 4th Floor
Hartford, CT 06103
Tel 860.549.8430 Fax 860.549.8422

Table of Contents

1.0 Introduction 1

1.1 Project Description 1

1.2 Previous Investigations 2

1.3 Limitations 3

2.0 Applicable RSR Criteria Overview 3

2.1 Soil 3

2.1.1 Direct Exposure Criteria 3

2.1.2 Pollutant Mobility Criteria 3

2.2 Groundwater 4

2.2.1 Surface Water Protection Criteria (SWPC) 4

3.0 Scope of Investigation 4

3.1 Drilling 4

3.2 Soil Sampling and Field Screening 5

4.0 Results of Soil Sampling Analyses 5

5.0 Results of Groundwater Sampling Analyses 8

6.0 Quality Assurance/Quality Control 8

7.0 Conclusions 9

8.0 Recommendations 9

List of Tables

Table 1	Summary of Laboratory Analysis for Soil
Table 2	Summary of Laboratory Analysis for Groundwater
Table 3	Summary of Quality Assurance Quality Control Analyses

List of Figures and Drawings

Figure 1	Site Location Map
Drawings	ENV-B01 to ENV-B25 - Soil Boring Location Plans

List of Appendices

Appendix A	Limitations
Appendix B	Soil Boring Logs
Appendix C	Laboratory Analytical Reports

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 the New Britain-Hartford Busway Access Road, located adjacent to the active Amtrak rail line in Newington, West Hartford, and Hartford, Connecticut (CT DOT Project No. 171-305), identified from Station 702+35 to 937+43, commonly referred to as the Access Road.

The overall Busway project has been broken into four separate contracts. This subsurface site investigation report pertains to the Access Road contract, from station 702+35 to 937+43. The general location of this section is shown in **Figure 1**.

The object 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-1 through ENV-25**

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).

Trout Brook, classified B/A, traverses beneath the Project area, just north of New Britain Avenue, where it joins with South Branch Park River and Piper Brook, classified C/B and B, respectively. Park River, classified B/A, traverses beneath the Project area, north of Park Street, then becomes classified C/B before combining with South Branch Park River, classified C/B.

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. Two of the previous investigations were conducted in areas that coincide with the Access Road;

- Maguire Group, Inc. *Corridor Study Amtrak Adjacent Property Summary New Britain-Hartford Busway Connecticut.* January 2006.

- Tetra Tech Rizzo. *Task 210 Subsurface Site Investigation Flatbush Avenue Bridge Project New Britain Express Bus Route West Hartford/Hartford, Connecticut.* February 16, 2009.

Additional investigations conducted throughout the bus way include;

- 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 adjacent to the train tracks (southeast side) from New Britain to 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 encountered within eight feet of the ground surface in only a few locations within the project area.

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. Trout Brook runs west to east beneath the Project. The Trout Brook is a class B/A water body. Just north of New Britain Avenue, Trout Brook joins South Branch Park River and Piper Brook, classified C/B and B, respectively.

3.0 Scope of Investigation

Project activities were conducted on December 17-31, 2008, and January 6-30, 2009, and included the advancement of 82 soil borings and the analysis of 82 soil samples, one sample from each boring. On December 29, 2008 a groundwater sample was collected and analyzed from RSB-C54.

3.1 Drilling

A total of 82 soil borings were advanced across the Project area to characterize soil and groundwater and assess potential environmental impacts along the corridor in areas where excavation for 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. Due to poor access and unsuitable topography, soil borings RSB-C1 to RSB-C49 and RSB-C60 to RSB-C65 were advanced with a hand auger to depths of three feet or refusal. Field work was supervised by a Tetra Tech environmental engineer. Boring locations are shown on **Drawings ENV-B01 through ENV-B25** Soil borings were advanced to a maximum depth of 8 feet below grade (fbg). Boring logs describing the subsurface materials

encountered in each soil boring are included in **Appendix B**.

3.2 Soil Sampling and Field Screening

Soil samples were collected from each soil boring, from the 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 0.5-8 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, Toxic Characteristic Leaching Procedure (TCLP) of select RCRA Metals. Two samples were analyzed for leachable Polycyclic Aromatic Hydrocarbons (PAHs) using the SPLP method. Five samples were analyzed for Organochlorine Pesticides by EPA method 8081.

Groundwater Analyses:

A groundwater sample was collected from the single area where hydrogeologic conditions permitted. The groundwater sample was analyzed for VOCs by Environmental Protection Agency (EPA) method 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.

4.0 Results of Soil Sampling Analyses

Eighty-two soil samples were collected and submitted to the laboratory 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 82 soil samples were submitted for VOC analysis. Two samples, from RSB-C22 and RSB-C24, contained several VOCs at concentrations that exceed the applicable RSR criteria. Soil samples collected from RSB-C4, RSB-C16, RSB-C17, RSB-C18, RSB-C19, RSB-C21, RSB-C24, RSB-C36, RSB-C37, and RSB-C66 contained VOC concentrations above the laboratory detection limits but below the applicable RSR criteria. Acetone was detected in RSB-C70 and RSB-C77, and is most likely a laboratory artifact not an indication of contamination in the soil. A malfunctioning sample storage refrigerator resulted in the detection of Freon 12 in RSB-C2, RSB-C3, RSB-C4, RSB-C7, RSB-C9, RSB-C10, RSB-C13, RSB-C16 and RSB-C18. See **Appendix C** for laboratory data qualifying the presence of Freon. The two VOC RSR criteria exceedances are listed below. See **Table 1** for additional information:

- RSB-C22 (1-2.5'): Trichloroethene (1,580 µg/kg)
- RSB-C24 (1-3'): Trichloroethene (34,100 µg/kg)

Semi-volatile Organic Compound (SVOCs)

A total of 82 soil samples were submitted for SVOC analysis. Thirteen of these samples, collected from RSB-C4, RSB-C8, RSB-C9, RSB-C11, RSB-C18, RSB-C19, RSB-C20, RSB-C36, RSB-C42, RSB-C52, RSB-C65, RSB-C78, and RSB-C79, contained a number of SVOCs above the applicable RSR criteria. A total of 12 samples, collected from RSB-C14, RSB-C17, RSB-C24, RSB-C30, RSB-C33, RSB-C41, RSB-C45, RSB-C51, RSB-C53, RSB-C66, RSB-C69, and RSB-C72, contained SVOCs above the laboratory detection limits but below the applicable RSR criteria. See **Table 1** for additional information.

Leachable (SPLP) Polycyclic Aromatic Hydrocarbons (PAHs)

Two soil samples, collected from RSB-C8 and RSB-C11, were submitted for analysis of the leachability of Polycyclic Aromatic Hydrocarbon using the SPLP method. No concentrations were reported above the laboratory detection limits.

Total RCRA 8 Metals

A total of 82 soil samples were submitted for mass analysis of the eight RCRA metals. Arsenic was detected above the applicable RSR criteria in 26 soil samples, collected from RSB-C4, RSB-C9, RSB-C11, RSB-C16, RSB-C17, RSB-C18, RSB-C19, RSB-C20, RSB-C30, RSB-C34, RSB-C36, RSB-C41, RSB-C42, RSB-C43, RSB-C44, RSB-C45, RSB-C49, RSB-C52, RSB-C53, RSB-C62, RSB-C63, RSB-C64, RSB-C65, RSB-C69, RSB-C79, and RSB-C80. The concentrations of arsenic detected above the RSR criteria ranged from a low of 10.4 mg/kg to a

high of 327 mg/kg. The 327 mg/kg arsenic concentration was detected in RSB-C18 (1.5-2.5'), is more than 30 times the10 mg/kg Res DEC and I/C DEC, and could be considered a "significant hazard" requiring DEP notification if present within two feet of the land surface.

Lead was detected above the applicable RSR criteria in two samples collected from RSB-C17 (1,140 mg/kg) and RSB-C36 (1,300 mg/kg). Lead and/or arsenic were detected at concentrations that are considered above background concentrations in RSB-C1, RSB-C2, RSB-C3, RSB-C4, RSB-C6, RSB-C7, RSB-C12, RSB-C13, RSB-C14, RSB-C15, RSB-C21, RSB-C22, RSB-C24, RSB-C38, RSB-C48, RSB-C51, RSB-C68, RSB-C76, RSB-C77, RSB-C78, and RSB-C81. The remaining samples contained total metal concentrations that are considered consistent with background levels for the region.

Leachable (SPLP) RCRA 8 Metals

A total of 25 soil samples were submitted for analysis of the leachability of RCRA metals using the SPLP method. No concentrations exceeded the applicable RSR criteria.

Leachable (TCLP) RCRA 8 Metals

A total of 30 soil samples were submitted for analysis of the leachability of RCRA metals using the TCLP method. Three samples contained concentrations that exceed the applicable RSR criteria. The three TCLP metals RSR criteria exceedances are listed below. See **Table 1** for additional information:

- RSB-C36 (1-2.5'): TCLP Cadmium (0.0648 mg/l), TCLP Lead (1.31 mg/l)
- RSB-C69 (1-4'): TCLP Lead (0.0325 mg/l)
- RSB-C77 (4-8'): TCLP Lead (0.488 mg/l)

Extractable Total Petroleum Hydrocarbons (ETPH)

A total of 82 soil samples were submitted for ETPH analysis. With the exception of sample RSB-C66 where ETPH was detected above the RSR criteria at 751 mg/kg and 38 samples where ETPH was detected above the laboratory detection but below the RSR criteria, ETPH was not reported above the laboratory detection limits. For additional information, see **Table 1**.

Polychlorinated Biphenyls (PCBs)

A total of 82 soil samples were submitted for PCB analysis. With the exception of three samples where PCBs, ranging from 0.119 mg/kg to 0.698 mg/kg were detected, PCBs were not detected above the laboratory detection limits. For additional information, see **Table 1**.

Organochlorine Pesticides

A total of five samples were submitted for Organochlorine Pesticides analysis. Sample RSB-C8 contained 24.4 µg/kg of 4,4'-DDT. The remaining four samples did not contain pesticide concentrations above the laboratory detection limits.

Herbicides

A total of 82 soil samples were submitted for herbicide analysis. No herbicides were reported above the laboratory detection limits.

5.0 Results of Groundwater Sampling Analyses

With the exception of very shallow melt water that was encountered while completing 12 hand auger borings in areas where site restrictions, including steep topography, prohibited geoprobe access, groundwater was encountered above 8 fbg in only two locations. No odors or sheens were noted in the shallow groundwater. Groundwater was encountered at RSB-C54 and RSB-C67 while boring with the geoprobe.

A groundwater sample collected on December 29, 2008 from RSB-C54 was reported to contain concentrations of metals (arsenic, cadmium, mercury, lead and selenium) that exceeded the applicable RSR criteria. Naphthalene was detected above the laboratory detection limit. VOCs, ETPH, PCBs and herbicides were not detected above the laboratory detection limits. Laboratory analytical reports and chain-of-custody records are included in **Appendix C**. **Table 2** presents the laboratory analytical results for the groundwater sample.

6.0 Quality Assurance/Quality Control

One QA/QC sample was collected as a trip blank. Trip blanks are vials of de-ionized water that accompany groundwater VOC samples from the time of sample collection, through the transportation process, to the time of sample analysis. The trip blanks were analyzed for VOCs by EPA method 8260. Trip blanks are used to determine if cross-contamination has occurred during the sample storage and delivery process. The VOC results for the collected trip blank was below laboratory reportable detection limits, indicating that cross-contamination had been avoided. QA/QC samples documenting the sample storage refrigerator Freon leak are presented in Appendix C.

Laboratory analytical reports and chain-of-custody records are included in **Appendix C**. **Table 3** contains the laboratory analytical results for the QA/QC sample.

7.0 Conclusions

This Task 210 – Subsurface Site Investigation was conducted on December 17-31, 2008, and January 6-30, 2009. All project activities were conducted in accordance with industry standards.

Soil

The VOC trichloroethylene was detected above the GB PMC in two soil samples; RSB-C22 (1-3') and RSB-C24 (1-3'). Thirteen samples collected from RSB-C4, RSB-C8, RSB-C9, RSB-C11, RSB-C18, RSB-C19, RSB-C20, RSB-C36, RSB-C42, RSB-C52, RSB-C65, RSB-C78, and RSB-C79 contained a number of SVOCs above the applicable RSR criteria. One sample RSB-C66 contained ETPH concentrations that exceed the applicable RSR criteria.

Total arsenic was detected above the applicable RSR criteria in 26 soil sample from RSB-C4, RSB-C9, RSB-C11, RSB-C16, RSB-C17, RSB-C18, RSB-C19, RSB-C20, RSB-C30, RSB-C34, RSB-C36, RSB-C41, RSB-C42, RSB-C43, RSB-C44, RSB-C45, RSB-C49, RSB-C52, RSB-C53, RSB-C62, RSB-C63, RSB-C64, RSB-C65, RSB-C69, RSB-C79, and RSB-C80. Total lead as detected above the applicable RSR criteria in two samples; RSB-C17 and RSB-C36. Three samples RSB-C36, RSB-C69, and RSB-C77 contained TCLP Lead and/or Cadmium concentrations that exceed the applicable RSR criteria. No other RSR exceedances were identified.

Low-level concentrations of VOCs, SVOCs, ETPH, PCBs, Pesticides, and RCRA 8 metals (total and leachable) were detected 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

The groundwater sample collected from RSB-C54 contained concentrations of a number of total RCRA 8 metals that exceed the applicable RSR criteria. The SVOC naphthalene, for which there are no applicable RSR criteria, was detected in this sample. VOCs, ETPH, PCBs, and chlorinated herbicides were not reported in the sample above laboratory detection limits.

8.0 Recommendations

Areas where laboratory analytical 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 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.

With the exception of two locations, groundwater was not encountered throughout the project area above a depth of eight feet. Based on the presence of metals above the SWPC in the groundwater at RSB-C54, 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.

Table 1
Laboratory Soil Results
New Britain-Harford Busway
Access Road
T# 127-17797-08011
DOT Project No. 171-305
DOT Assignment No. 403-3526

Sample Location				RSB-C1 (1-2.5)	RSB-C2 (1-3)	RSB-C3 (1-3)	RSB-C4 (2-3)	RSB-C5 (1-3)	RSB-C6 (1-2)	RSB-C7 (1-3)	RSB-C8 (1-2)	RSB-C9 (1-2)	RSB-C10 (1-2.5)	RSB-C11 (1-2)	RSB-C12 (1-3)	RSB-C13 (1-3)	RSB-C14 (1-3)	RSB-C15 (1-3)	RSB-C16 (1-2.5)	RSB-C17 (1-2.5)	RSB-C18 (1.5-2.5)	RSB-C19 (1-2)	RSB-C20 (1-2.5)
Laboratory ID				SA90545-01	SA90545-02	SA90545-03	SA90545-04	SA90545-05	SA90481-01	SA90481-02	SA90481-03	SA90481-04	SA90481-05	SA90388-01	SA90388-02	SA90388-03	SA90388-04	SA90345-01	SA90345-02	SA90345-03	SA90345-04	SA90067-01	SA90067-02
Sample Date				1/30/2009	1/30/2009	1/30/2009	1/30/2009	1/30/2009	1/29/2009	1/29/2009	1/29/2009	1/29/2009	1/29/2009	1/27/2009	1/27/2009	1/27/2009	1/27/2009	1/26/2009	1/26/2009	1/26/2009	1/26/2009	1/19/2009	1/19/2009
	CTDEP Remediation Standard Regulations (RSR) Criteri																						
	GB PMC	I/C DEC	Res DEC																				
Volatile Organic Compounds (VOCs) by SW846 8260B (µg/kg)																							
Acetone	140000	1000000	500000	<783	<74.1	<73.4	<695	<62.8	<74.3	<67.2	<57.8	<68.1	<53.0	<74.1	<65.1	<56.3	<51.8	<61.3	<78.5	<90.0	<122	<834	<101
n-Butylbenzene	14000	1000000	500000	<78.3	<7.4	<7.3	<69.5	<6.3	<7.4	<6.7	<5.8	<6.8	<5.3	<7.4	<6.5	<5.6	<5.1	<6.1	<7.9	<9.0	<12.2	<83.4	<10.1
1,1-Dichloroethane	14000	1000000	500000	<78.3	<7.4	<7.3	<69.5	<6.3	<7.4	<6.7	<5.8	<6.8	<5.3	<7.4	<6.5	<5.6	<5.1	<6.1	28.9	134	<12.2	<83.4	<10.1
cis-1,2-Dichloroethene	14000	1000000	500000	<78.3	<7.4	<7.3	<69.5	<6.3	<7.4	<6.7	<5.8	<6.8	<5.3	<7.4	<6.5	<5.6	<5.1	<6.1	34.4	439 (E)/12900	132	<83.4	<10.1
trans-1,2-Dichloroethene	20000	1000000	500000	<78.3	<7.4	<7.3	<69.5	<6.3	<7.4	<6.7	<5.8	<6.8	<5.3	<7.4	<6.5	<5.6	<5.1	<6.1	<7.9	29.8	<12.2	<83.4	<10.1
4-Isopropyltoluene	41800	1000000	500000	<78.3	<7.4	<7.3	<69.5	<6.3	<7.4	<6.7	<5.8	<6.8	<5.3	<7.4	<6.5	<5.6	<5.1	<6.1	<7.9	<9.0	<12.2	<83.4	<10.1
Dichlorodifluoromethane (Freon12)	----	----	----	<157	1680 (E)/9760	2100 (E)/3100	15100 (E)/4790	<12.6	<14.9	16.9	<11.6	243	1380 (E)/<113	<14.8	<13.0	312 (E)/<126	<10.4	<12.3	95.5	<18.0	81.5	<167	<20.1
Ethylbenzene	10100	1000000	500000	<78.3	<7.4	<7.3	78.5	<6.3	<7.4	<6.7	<5.8	<6.8	<5.3	<7.4	<6.5	<5.6	<5.1	<6.1	<7.9	<9.0	<12.2	<83.4	<10.1
Isopropylbenzene	132000	1000000	500000	<78.3	<7.4	<7.3	77.8	<6.3	<7.4	<6.7	<5.8	<6.8	<5.3	<7.4	<6.5	<5.6	<5.1	<6.1	<7.9	<9.0	<12.2	<83.4	<10.1
Naphthalene	56000	2500000	1000000	<78.3	<7.4	<7.3	69.5	<6.3	<7.4	<6.7	<5.8	<6.8	<5.3	<7.4	<6.5	<5.6	<5.1	<6.1	<7.9	<9.0	<12.2	162	<10.1
n-Propylbenzene	14000	1000000	500000	<78.3	<7.4	<7.3	79.2	<6.3	<7.4	<6.7	<5.8	<6.8	<5.3	<7.4	<6.5	<5.6	<5.1	<6.1	<7.9	<9.0	<12.2	<83.4	<10.1
Tetrachloroethene	1000	110000	12000	<78.3	<7.4	<7.3	<69.5	<6.3	<7.4	<6.7	<5.8	<6.8	<5.3	<7.4	<6.5	<5.6	<5.1	<6.1	<7.9	96.0	<12.2	<83.4	<10.1
Toluene	67000	1000000	500000	<78.3	<7.4	<7.3	<69.5	<6.3	<7.4	<6.7	<5.8	<6.8	<5.3	<7.4	<6.5	<5.6	<5.1	<6.1	<7.9	<9.0	<12.2	<83.4	<10.1
1,1,1-Trichloroethane	40000	1000000	500000	<78.3	<7.4	<7.3	<69.5	<6.3	<7.4	<6.7	<5.8	<6.8	<5.3	<7.4	<6.5	<5.6	<5.1	<6.1	25.1	205	<12.2	<83.4	<10.1
Trichloroethene	1000	520000	56000	<78.3	<7.4	<7.3	<69.5	<6.3	<7.4	<6.7	<5.8	<6.8	<5.3	<7.4	<6.5	<5.6	<5.1	<6.1	9.5	34.9	32.9	<83.4	<10.1
1,2,4-Trimethylbenzene	70000	1000000	500000	<78.3	<7.4	<7.3	160	<6.3	<7.4	<6.7	<5.8	<6.8	<5.3	<7.4	<6.5	<5.6	<5.1	<6.1	<7.9	<9.0	<12.2	<83.4	<10.1
1,3,5-Trimethylbenzene	70000	1000000	500000	<78.3	<7.4	<7.3	<69.5	<6.3	<7.4	<6.7	<5.8	<6.8	<5.3	<7.4	<6.5	<5.6	<5.1	<6.1	<7.9	<9.0	<12.2	<83.4	<10.1
Vinyl chloride	400	3000	320	<78.3	<7.4	<7.3	<69.5	<6.3	<7.4	<6.7	<5.8	<6.8	<5.3	<7.4	<6.5	<5.6	<5.1	<6.1	<7.9	20.5	<12.2	<83.4	<10.1
m,p-Xylene	----	----	----	<157	<14.8	<14.7	275	<12.6	<14.9	<13.4	<11.6	<13.6	<10.6	<14.8	<13.0	<11.3	<10.4	<12.3	<15.7	<18.0	<24.3	<167	<20.1
o-Xylene	----	----	----	<78.3	<7.4	<7.3	267	<6.3	<7.4	<6.7	<5.8	<6.8	<5.3	<7.4	<6.5	<5.6	<5.1	<6.1	<7.9	<9.0	<12.2	92.5	<10.1
Xylenes	19500	1000000	500000	<78.3	<7.4	<7.3	542	<6.3	<7.4	<6.7	<5.8	<6.8	<5.3	<7.4	<6.5	<5.6	<5.1	<6.1	<7.9	<9.0	<12.2	92.5	<10.1
Semi-Volatile Organic Compounds (SVOCs) by SW846 8270C (µg/kg)																							
Acenaphthene	84000	2500000	1000000	<439	<421	<407	<399	<394	<431	<436	<377	<415	<359	<2140	<379	<378	<378	<401	<463	<478	<1150	<429	<421
Acenaphthylene	84000	2500000	1000000	<439	<421	<407	<399	<394	<431	<436	<377	<415	<359	<2140	<379	<378	<378	<401	<463	<478	2030	<429	<421
Anthracene	400000	2500000	1000000	<439	<421	<407	<399	<394	<431	<436	<377	<415	<359	<2140	<379	<378	<378	<401	<463	<478	3780	<429	<421
Benzo (a) anthracene	1000	7800	1000	<439	<421	<407	1040	<394	<431	<436	997	1350	<359	<2140	<379	<378	<378	<401	<463	809	7470	957	2050
Benzo (a) pyrene	1000	1000	1000	<439	<421	<407	973	<394	<431	<436	919	1190	<359	<2140	<379	<378	<378	<401	<463	784	5100	953	1900
Benzo (b) fluoranthene	1000	7800	1000	<439	<421	<407	1210	<394	<431	<436	798	1380	<359	<2140	<379	<378	<378	<401	<463	803	6350	1550	3080
Benzo (g,h,i) perylene	42000	2500000	1000000	<439	<421	<407	448	<394	<431	<436	536	627	<359	<2140	<379	<378	<378	<401	<463	<478	1950	<429	800
Benzo (k) fluoranthene	1000	78000	8400	<439	<421	<407	1180	<394	<431	<436	918	1400	<359	3040	<379	<378	<378	<401	<463	845	5630	1120	2080
Carbazole	1000	290000	31000	<439	<421	<407	<399	<394	<431	<436	<377	<415	<359	<2140	<379	<378	<378	<401	<463	<478	<1150	<429	<421
Chrysene	1000	780000	84000	<439	<421	<407	1280	<394	<431	<436	1110	1590	<359	2640	<379	<378	<378	<401	<463	928	7350	1450	2520
Dibenzo (a,h) anthracene	1000	1000	1000	<439	<421	<407	<399	<394	<431	<436	<377	<415	<359	<2140	<379	<378	<378	<401	<463	<478	<1150	<429	<421
Dibenzofuran	5600	2500000	270000	<439	<421	<407	<399	<394	<431	<436	<377	<415	<359	<2140	<379	<378	<378	<401	<463	<478	1740	<429	<421
Fluoranthene	56000	2500000	1000000	<439	<421	<407	2200	<394	<431	<436	2440	2730	<359	6200	<379	<378	475	<401	<463	1620	21000	3100	4750
Fluorene	56000	2500000	1000000	<439	<421	<407	<399	<394	<431	<436	<377	<415	<359	<2140	<379	<378	<378	<401	<463	<478	2030	<429	<421
Indeno (1,2,3-cd) pyrene	1000	7800	1000	<439	<421	<407	545	<394	<431	<436	477	715	<359	<2140	<379	<378	<378	<401	<463	<478	2330	493	882
1-Methylnaphthalene	----	----	----	<439	<421	<407	<399	<394	<431	<436	<377	<415	<359	<2140	<379	<378	<378	<401	<463	<478	<1150	<429	<421
2-Methylnaphthalene	9800	2500000	474000	<439	<421	<407	<399	<394	<431	<436	<377	<415	<359	<2140	<379	<378	<378	<401	<463	<478	<1150	<429	<421
Naphthalene	56000	2500000	1000000	<439	<421	<407	<399	<394	<431	<436	<377	<415	<359	<2140	<379	<378	<378	<401	<463	<478	<1150	<429	<421
Phenanthrene	40000	2500000	1000000	<439	<421	<407	920	<394	<431	<436	1960	996	<359	<2140	<379	<378	<378	<401	<463	483	18900	991	1800
Pyrene	40000	2500000	1000000	<439	<421	<407	1750	<394	<431	<436	2680	2180	<359	4220	<379	<378	<378	<401	<463	1290	13900	2230	3870
SPLP of PAHs by SW846 1312/8270C (µg/l)																							
Total SPLP PAHs	Varies	Varies	Varies	NA	NA	NA	NA	NA	NA	NA	<0.200	NA	NA	<0.200	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total RCRA 8 Metals by EPA 6000/7000 Series Methods (mg/kg)																							
Silver	----	10000	340	<1.84	<1.93	<1.75	<1.72	<1.63	<1.73	<1.81	<1.70	<1.63	<1.56	<1.88	<1.65	<1.72	<1.72	<1.71	<1.85	<2.09	<2.53	<1.76	<1.85
Arsenic	----	10	10	4.67	5.02	4.93	16.5	4.85	7.48	4.44	2.08	24.7	2.95	34.5	5.92	6.98	6.11	2.78	15.5	34.9	327	13.2	10.7
Barium	----	140000	4700	75.6	60.1	62.6	87.0	66.3	94.7	63.2	51.5	109	48.2	83.9	67.2	53.5	82.2	63.5	84.5	175	169	68.3	142
Cadmium	----	1000	34	<0.615	0.683	0.810	1.15	0.547	0.774	<0.603	0.678	1.51	<0.519	0.929	<0.548	<0.572	<0.573	0.930	1.22	2.79	3.30	<0.588	0.659
Chromium	----	----	----	8.45	7.41	6.79	10.7	9.07	7.99	8.05	11.8	9.67	11.4	10.8	11.3	8.26	11.2	9.46	16.7	76.0	47.6	10.6	32.8
Mercury	----	610	20	0.180	0.367	0.190	0.329	0.218	0.177	1.45	<0.0325	0.711	0.0771	0.491	0.372	0.0514	0.0879	0.172	10.2	0.110	0.127	0.732	0.117
Lead	----	1000	400	76.9	107	120	228	61.1	182	151	49.8	227	24.5	184	92.0	15.9	31.0	118	109	1140	233	135	147
Selenium	----	10000	340	<1.84	<1.93	<1.75	<1.72	<1.63	<1.73	<1.81	<1.70	<1.63	<1.56	<1.88	<1.65	<1.72	<1.72	<1.71	<1.85	<2.09	<2.53	<1.76	2.55
SPLP of Metals (mg/l)																							
Silver	0.36	----	----	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	0.5	----	----	NA	NA	NA	<0.0080	NA	NA	NA	NA	<0.0080	NA	<0.0040	NA	NA	NA	NA	<0.0080	<0.0080	0.0197	<0.0080	<0.0080
Barium	10	----	----	NA	NA	NA	NA	NA	NA	NA	NA	0.0219	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	0.05	----	----	NA	NA	NA	<0.0050	NA	NA	NA	NA	NA	NA	<0.0025	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	0.5	----	----	NA	NA	NA	<0.0100	NA	NA	NA	NA	NA	NA	<0.0050	NA	NA	NA	NA	NA	NA	NA	<0.0100	<0.0100
Mercury	0.02	----	----	NA	NA	NA	NA	NA	NA	NA	NA	<0.00020	NA	<0.00020	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	0.15	----	----	NA	NA	NA	<0.0150	NA	NA	NA	NA	<0.0150	NA	0.0099	NA	NA	NA	NA	NA	0.0807	NA	<0.0150	<0.0150
TCLP of Metals (mg/l)																							
Arsenic	0.5	----	----	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0370	NA	NA
Barium	10	----	----	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	0.05	----	----	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	0.5	----	----	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	0.02	----	----	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.00020	NA	NA	NA	NA
Lead	0.15	----	----	NA	<0.0150	<0.0150	0.0348	NA	0.0155	0.0211	NA	0.0255	NA	0.0301	NA	NA	NA	<0.0150	<0.0150	0.0949	0.0168	<0.0150	<0.0150
Total Petroleum Hydrocarbons (TPH) by ETPH Method (mg/kg)																							
Total Petroleum Hydrocarbons	2500	2500	500	<17.7	<17.0	32.6	140	34.3	<17.4	<17.6	112	119	<14.5	156	<15.3	<15.2	25.3	<16.2	36.3	118	423	108	173
Polychlorinated Biphenyls (PCBs) by SW846 8082 (µg/kg)																							
PCB 1262	----	----	----	<26.8	<25.3	<24.9	<24.4	<23.4	<13.1	<13.1	<11.5	<12.5	<10.8	<24.1	<21.2	<22.2	<22.5	<24.2	119	689	291	<26.2	<24.2
Total Polychlorinated Biphenyls	----	10,000	1,000	<26.8	<25.3	<24.9	<24.4	<23.4	<13.1	<13.1	<11.5	<12.5	<10.8	<24.1	<21.2	<22.2	<22.5	<24.2	119	689	291	<26.2	<24.2
Organochlorine Pesticides by SW846 8081A (ug/kg)																							
4,4' DDT	----	17,000	1,800	NA	NA	NA	NA	NA	<6.54	<6.54	24.4	<6.27	<5.39	NA	NA	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)	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
PAH = Polycyclic Aromatic Hydrocarbon
ETPH = Extractable Total Petroleum Hydrocarbons
SPLP = Synthetic Precipitation Leaching Procedure
TCLP = Toxicity Characteristic 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
E = The concentration indicated for this analyte is an estimated
BRL = Below Laboratory Reportable Detection Limits
(var) = Variable Laboratory Detection Limits
#/# = Original Estimated Value/Reanalyzed Value
VOC6 = the production of Acetone and other ketones is commonly seen when using the SW 846 5035A extraction technique
Notes:
1. Analytes listed when detected in at least one sample

Table 1
Laboratory Soil Results
New Britain-Harford Busway
Access Road
T# 127-17797-08011
DOT Project No. 171-305
DOT Assignment No. 403-3526

Sample Location				RSB-C21 (1-3)	RSB-C22 (1-2.5)	RSB-C23 (1-2.5)	RSB-C24 (1-3)	RSB-C25 (1-3)	RSB-C26 (1-2.5)	RSB-C27 (1-3)	RSB-C28 (1-2.5)	RSB-C29 (1-2)	RSB-C30 (1-3)	RSB-C31 (1-4)	RSB-C32 (1-2.5)	RSB-C33 (1-2.5)	RSB-C34 (1-4)	RSB-C35 (1-3.5)	RSB-C36 (1-2.5)	RSB-C37 (1-3.5)	RSB-C38 (1-3)	RSB-C39 (1-2.5)	RSB-C40 (1-2.5)
Laboratory ID				SA90067-03	SA90013-01	SA90013-02	SA89957-01	SA89957-02	SA89909-05	SA89735-01	SA89735-02	SA89735-03	SA89727-08	SA89727-07	SA89727-06	SA89727-05	SA89727-04	SA89727-03	SA89727-02	SA89727-01	SA89650-01	SA89650-02	SA89650-03
Sample Date	CTDEP Remediation Standard Regulations (RSR) Criteria			1/19/2009	1/16/2009	1/16/2009	1/15/2009	1/15/2009	1/14/2009	1/12/2009	1/12/2009	1/12/2009	1/9/2009	1/9/2009	1/9/2009	1/9/2009	1/9/2009	1/9/2009	1/9/2009	1/9/2009	1/8/2009	1/8/2009	1/8/2009
	GB PMC	I/C DEC	Res DEC																				
Volatile Organic Compounds (VOCs) by SW846 8260B (µg/kg)																							
Acetone	140000	1000000	500000	<1270	<1630	<76.3	<82.5	<79.9	<61.5	<72.9	<69.0	<63.4	<79.8	<75.9	<73.6	<61.0	<144	<98.8	<101	<799	<105	<96.9	<81.2
n-Butylbenzene	14000	1000000	500000	<127	<163	<7.8	<8.3	<8.0	<6.1	<7.3	<6.9	<6.3	<8.0	<7.6	<7.4	<6.1	<14.4	<9.9	<10.1	<79.9	<10.5	<9.7	<8.1
1,1-Dichloroethane	14000	1000000	500000	<127	<163	<7.8	<8.3	<8.0	<6.1	<7.3	<6.9	<6.3	<8.0	<7.6	<7.4	<6.1	<14.4	<9.9	<10.1	<79.9	<10.5	<9.7	<8.1
cis-1,2-Dichloroethene	14000	1000000	500000	<127	3460	<7.8	443(E)/13,100	<8.0	<6.1	<7.3	<6.9	<6.3	<8.0	<7.6	<7.4	<6.1	<14.4	<9.9	<10.1	<79.9	<10.5	<9.7	<8.1
trans-1,2-Dichloroethene	20000	1000000	500000	<127	<163	<7.8	<8.3	<8.0	<6.1	<7.3	<6.9	<6.3	<8.0	<7.6	<7.4	<6.1	<14.4	<9.9	<10.1	<79.9	<10.5	<9.7	<8.1
4-Isopropyltoluene	41800	1000000	500000	<127	<163	<7.8	<8.3	<8.0	<6.1	<7.3	<6.9	<6.3	<8.0	<7.6	<7.4	<6.1	<14.4	<9.9	<10.1	<79.9	<10.5	<9.7	<8.1
Dichlorodifluoromethane (Freon12)	----	----	----	<254	<325	<15.7	<16.5	<16.0	<12.3	<14.6	<13.8	<12.7	<16.0	<15.2	<14.7	<12.2	<28.8	<19.8	<20.3	<160	<21.1	<19.4	<16.2
Ethylbenzene	10100	1000000	500000	<127	<163	<7.8	<8.3	<8.0	<6.1	<7.3	<6.9	<6.3	<8.0	<7.6	<7.4	<6.1	<14.4	<9.9	<10.1	<79.9	<10.5	<9.7	<8.1
Isopropylbenzene	132000	1000000	500000	<127	<163	<7.8	<8.3	<8.0	<6.1	<7.3	<6.9	<6.3	<8.0	<7.6	<7.4	<6.1	<14.4	<9.9	<10.1	<79.9	<10.5	<9.7	<8.1
Naphthalene	56000	2500000	1000000	<127	<163	<7.8	<8.3	<8.0	<6.1	<7.3	<6.9	<6.3	<8.0	<7.6	<7.4	<6.1	<14.4	<9.9	10.3	213	<10.5	<9.7	<8.1
n-Propylbenzene	14000	1000000	500000	<127	<163	<7.8	<8.3	<8.0	<6.1	<7.3	<6.9	<6.3	<8.0	<7.6	<7.4	<6.1	<14.4	<9.9	<10.1	<79.9	<10.5	<9.7	<8.1
Tetrachloroethene	1000	110000	12000	<127	208	<7.8	<8.3	<8.0	<6.1	<7.3	<6.9	<6.3	<8.0	<7.6	<7.4	<6.1	<14.4	<9.9	<10.1	<79.9	<10.5	<9.7	<8.1
Toluene	67000	1000000	500000	<127	<163	<7.8	<8.3	<8.0	<6.1	<7.3	<6.9	<6.3	<8.0	<7.6	<7.4	<6.1	<14.4	<9.9	<10.1	<79.9	<10.5	<9.7	<8.1
1,1,1-Trichloroethane	40000	1000000	500000	<127	<163	<7.8	<8.3	<8.0	<6.1	<7.3	<6.9	<6.3	<8.0	<7.6	<7.4	<6.1	<14.4	<9.9	<10.1	<79.9	<10.5	<9.7	<8.1
Trichloroethene	1000	520000	56000	432	1580	<7.8	451(E)/34,100	<8.0	<6.1	<7.3	<6.9	<6.3	<8.0	<7.6	<7.4	<6.1	<14.4	<9.9	<10.1	<79.9	<10.5	<9.7	<8.1
1,2,4-Trimethylbenzene	70000	1000000	500000	<127	<163	<7.8	<8.3	<8.0	<6.1	<7.3	<6.9	<6.3	<8.0	<7.6	<7.4	<6.1	<14.4	<9.9	<10.1	<79.9	<10.5	<9.7	<8.1
1,3,5-Trimethylbenzene	70000	1000000	500000	<127	<163	<7.8	<8.3	<8.0	<6.1	<7.3	<6.9	<6.3	<8.0	<7.6	<7.4	<6.1	<14.4	<9.9	<10.1	<79.9	<10.5	<9.7	<8.1
Vinyl chloride	400	3000	320	<127	<163	<7.8	<8.3	<8.0	<6.1	<7.3	<6.9	<6.3	<8.0	<7.6	<7.4	<6.1	<14.4	<9.9	<10.1	<79.9	<10.5	<9.7	<8.1
m,p-Xylene	----	----	----	<254	<325	<15.7	<16.5	<16.0	<12.3	<14.6	<13.8	<12.7	<16.0	<15.2	<14.7	<12.2	<28.8	<19.8	<20.3	<160	<21.1	<19.4	<16.2
o-Xylene	----	----	----	<127	<163	<7.8	<8.3	<8.0	<6.1	<7.3	<6.9	<6.3	<8.0	<7.6	<7.4	<6.1	<14.4	<9.9	<10.1	<79.9	<10.5	<9.7	<8.1
Xylenes	19500	1000000	500000	<127	<163	<7.8	<8.3	<8.0	<6.1	<7.3	<6.9	<6.3	<8.0	<7.6	<7.4	<6.1	<14.4	<9.9	<10.1	<79.9	<10.5	<9.7	<8.1
Semi-Volatile Organic Compounds (SVOCs) by SW846 8270C (µg/kg)																							
Acenaphthene	84000	2500000	1000000	<591	<711	<513	<437	<449	<400	<410	<407	<404	<437	<435	<370	<754	<431	<420	4770	<381	<449	<468	<423
Acenaphthylene	84000	2500000	1000000	<591	<711	<513	<437	<449	<400	<410	<407	<404	<437	<435	<370	<754	<431	<420	<2160	<381	<449	<468	<423
Anthracene	400000	2500000	1000000	<591	<711	<513	<437	<449	<400	<410	<407	<404	<437	<435	<370	<754	<431	<420	8900	<381	<449	<468	<423
Benzo (a) anthracene	1000	7800	1000	<591	<711	<513	<437	<449	<400	<410	<407	<404	<437	<435	<370	<754	<431	<420	**17500**	<381	<449	<468	<423
Benzo (a) pyrene	1000	1000	1000	<591	<711	<513	<437	<449	<400	<410	<407	<404	<437	<435	<370	801	<431	<420	**17200**	<381	<449	<468	<423
Benzo (b) fluoranthene	1000	7800	1000	<591	<711	<513	<437	<449	<400	<410	<407	<404	<437	<435	<370	<754	<431	<420	**15100**	<381	<449	<468	<423
Benzo (g,h,i) perylene	42000	2500000	1000000	<591	<711	<513	<437	<449	<400	<410	<407	<404	<437	<435	<370	<754	<431	<420	9250	<381	<449	<468	<423
Benzo (k) fluoranthene	1000	78000	8400	<591	<711	<513	<437	<449	<400	<410	<407	<404	<437	<435	<370	<754	<431	<420	**15000**	<381	<449	<468	<423
Carbazole	1000	290000	31000	<591	<711	<513	<437	<449	<400	<410	<407	<404	<437	<435	<370	<754	<431	<420	**3480**	<381	<449	<468	<423
Chrysene	1000	780000	84000	<591	<711	<513	<437	<449	<400	<410	<407	<404	<437	<435	<370	<754	<431	<420	**15900**	<381	<449	<468	<423
Dibenzo (a,h) anthracene	1000	1000	1000	<591	<711	<513	<437	<449	<400	<410	<407	<404	<437	<435	<370	<754	<431	<420	**2470**	<381	<449	<468	<423
Dibenzofuran	5600	2500000	270000	<591	<711	<513	<437	<449	<400	<410	<407	<404	<437	<435	<370	<754	<431	<420	2990	<381	<449	<468	<423
Fluoranthene	56000	2500000	1000000	<591	<711	<513	872	<449	<400	<410	<407	<404	559	<435	<370	936	<431	<420	**39700**	<381	<449	<468	<423
Fluorene	56000	2500000	1000000	<591	<711	<513	<437	<449	<400	<410	<407	<404	<437	<435	<370	<754	<431	<420	5410	<381	<449	<468	<423
Indeno (1,2,3-cd) pyrene	1000	7800	1000	<591	<711	<513	<437	<449	<400	<410	<407	<404	<437	<435	<370	<754	<431	<420	**10400**	<381	<449	<468	<423
1-Methylnaphthalene	----	----	----	<591	<711	<513	<437	<449	<400	<410	<407	<404	<437	<435	<370	<754	<431	<420	<2160	<381	<449	<468	<423
2-Methylnaphthalene	9800	2500000	474000	<591	<711	<513	<437	<449	<400	<410	<407	<404	<437	<435	<370	<754	<431	<420	<2160	<381	<449	<468	<423
Naphthalene	56000	2500000	1000000	<591	<711	<513	<437	<449	<400	<410	<407	<404	<437	<435	<370	<754	<431	<420	4320	<381	<449	<468	<423
Phenanthrene	40000	2500000	1000000	<591	<711	<513	<437	<449	<400	<410	<407	<404	<437	<435	<370	<754	<431	<420	31700	<381	<449	<468	<423
Pyrene	40000	2500000	1000000	<591	<711	<513	617	<449	<400	<410	<407	<404	<437	<435	<370	955	<431	<420	30400	<381	<449	<468	<423
SPLP of PAHs by SW846 1312/8270C (µg/l)																							
Total SPLP PAHs	Varies	Varies	Varies	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total RCRA 8 Metals by EPA 6000/7000 Series Methods (mg/kg)																							
Silver	----	10000	340	<2.48	<3.14	<2.28	<1.88	<1.89	<1.59	<1.83	<1.82	<1.77	<1.73	<1.75	<1.56	<1.66	<1.79	<1.78	12.1	<1.51	<1.79	<2.02	<1.67
Arsenic	----	10	10	6.99	6.34	3.55	8.04	<1.89	1.81	<1.83	2.38	4.8	**12.9**	3.83	<1.56	1.90	**10.4**	4.06	**21.3**	1.95	6.89	4.62	<1.67
Barium	----	140000	4700	75.3	89.5	62.3	171	41.7	64	40.6	61.9	142	154	97.1	68.1	86.9	74.9	68.7	1630	31.4	146	87.3	29.7
Cadmium	----	1000	34	<0.827	<1.05	<0.761	0.869	<0.629	<0.529	<0.612	<0.607	1.11	0.679	<0.582	<0.521	<0.554	0.724	<0.595	19.9	<0.502	<0.596	<0.673	<0.555
Chromium	----	----	----	5.60	9.66	6.98	10.7	10.6	17.7	14.6	18.1	21.7	23.8	15.9	7.92	12.8	8.88	11.8	227	6.95	8.14	8.71	6.70
Mercury	----	610	20	1.05	2.63	1.16	0.143	0.0782	0.0403	<0.0331	0.0559	1.86	0.0438	0.135	<0.0319	<0.0308	0.248	0.288	0.428	<0.0305	0.115	0.507	0.0537
Lead	----	1000	400	114	154	73.6	94.2	8.89	17.9	6.71	29.6	49.6	115	39.6	10.4	22.1	177	44.7	**1300**	21.8	74.2	63.3	6.65
Selenium	----	10000	340	<2.48	<3.14	<2.28	2.46	2.63	3.1	<1.83	<1.82	<1.77	3.07	3.1	<1.56	1.90	1.86	2.15	5.13	<1.51	<1.79	<2.02	<1.67
SPLP of Metals (mg/l)																							
Silver	0.36	----	----	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.0100	NA	NA	NA	NA
Arsenic	0.5	----	----	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.0080	NA	NA	NA	<0.0080	NA	<0.0080	NA	NA	NA	NA
Barium	10	----	----	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.180	NA	NA	NA	NA
Cadmium	0.05	----	----	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.0050	NA	<0.0050	NA	NA	NA	NA
Chromium	0.5	----	----	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.0100	NA	<0.100	NA	NA	NA	NA
Mercury	0.02	----	----	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	0.15	----	----	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.0150	NA	<0.0150	NA	NA	NA	NA
TCLP of Metals (mg/l)																							
Arsenic	0.5	----	----	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	10	----	----	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	0.05	----	----	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.0648**	NA	NA	NA	NA
Chromium	0.5	----	----	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.0050	NA	NA	NA	NA
Mercury	0.02	----	----	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	0.15	----	----	<0.0150	0.0224	NA	NA	NA	NA	NA	NA	NA	0.0843	NA	NA	NA	0.0142	NA	**1.31**	NA	NA	NA	NA
Total Petroleum Hydrocarbons (TPH) by ETPH Method (mg/kg)																							
Total Petroleum Hydrocarbons	2500	2500	500	<23.8	67.4	41.8	63	<18.1	<16.1	<16.5	<16.4	<16.3	45.9	<17.5	<14.9	104	55.5	<16.9	364	<15.3	<18.1	<18.9	<17.0
Polychlorinated Biphenyls (PCBs) by SW846 8082 (µg/kg)																							
PCB 1262	----	----	----	<36.3	<41.3	<29.7	<24.9	<26.3	<24.3	<24.7	<24.2	<24.5	<26.0	<26.3	<22.4	<22.2	<25.4	<25.5	<25.7	<22.4	<26.9	<28.7	<25.1
Total Polychlorinated Biphenyls	----	10,000	1,000	<36.3	<41.3	<29.7	<24.9	<26.3	<24.3	<24.7	<24.2	<24.5	<26.0	<26.3	<22.4	<22.2	<25.4	<25.5	<25.7	<22.4	<26.9	<28.7	<25.1
Organochlorine Pesticides by SW846 8081A (ug/kg)																							
4,4' DDT	----	17,000	1,800	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	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)	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
PAH = Polycyclic Aromatic Hydrocarbon
ETPH = Extractable Total Petroleum Hydrocarbons
SPLP = Synthetic Precipitation Leaching Procedure
TCLP = Toxicity Characteristic 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
E = The concentration indicated for this analyte is an estimated
BRL = Below Laboratory Reportable Detection Limits
(var) = Variable Laboratory Detection Limits
#/# = Original Estimated Value/Reanalyzed Value
VOCs = the production of Acetone and other ketones is commonly seen when using the SW 846 5035A extraction technique
Notes:
1. Analytes listed when detected in at least one sample

Table 1
Laboratory Soil Results
New Britain-Harford Busway
Access Road
T# 127-17797-08011
DOT Project No. 171-305
DOT Assignment No. 403-3526

Sample Location				RSB-C41 (1-2.5)	RSB-C42 (1-2.5)	RSB-C43 (0.5-2)	RSB-C44 (0.5-2)	RSB-C45 (1-3)	RSB-C46 (1-3)	RSB-C47 (1-3)	RSB-C48 (1-3)	RSB-C49 (1-3)	RSB-C50 (1-4)	RSB-C51 (1-4)	RSB-C52 (1-4)	RSB-C53 (1-4)	RSB-C54 (4-8)	RSB-C55 (1-4)	RSB-C56 (1-4)	RSB-C57 (1-4)	RSB-C58 (1-4)	RSB-C59 (1-4)	RSB-C60 (1-3)
Laboratory ID				SA89650-04	SA89650-05	SA89608-01	SA89608-02	SA89544-01	SA89544-02	SA89544-03	SA89544-04	SA89544-05	SA89379-04	SA89019-06	SA89019-07	SA89355-01	SA89355-02	SA89355-03	SA89355-04	SA89355-05	SA89379-01	SA89379-02	SA89379-03	SA89410-01
Sample Date				1/8/2009	1/8/2009	1/7/2009	1/7/2009	1/6/2009	1/6/2009	1/6/2009	1/6/2009	1/6/2009	12/30/2008	12/17/2008	12/17/2008	12/29/2009	12/29/2009	12/29/2009	12/29/2009	12/29/2009	12/30/2008	12/30/2008	12/30/2008	12/31/2008
	CTDEP Remediation Standard Regulations (RSR) Criteria																						
	GB PMC	I/C DEC	Res DEC																				
Volatile Organic Compounds (VOCs) by SW846 8260B (µg/kg)																							
Acetone	140000	1000000	500000	<69.8	<87.4	<112	<134	<106	<66.1	<93.0	<69.1	<82.9	<68.3	<81.9	<64.7	<93.1	<64.7	<84.1	<79.2	<81.4	<74.4	<76.2	<89.7
n-Butylbenzene	14000	1000000	500000	<7.0	<8.7	<11.2	<13.4	<10.6	<6.6	<9.3	<6.9	<8.3	<6.8	<8.2	<6.5	<9.3	<6.5	<8.4	<7.9	<8.1	<7.4	<7.6	<9.0
1,1-Dichloroethane	14000	1000000	500000	<7.0	<8.7	<11.2	<13.4	<10.6	<6.6	<9.3	<6.9	<8.3	<6.8	<8.2	<6.5	<9.3	<6.5	<8.4	<7.9	<8.1	<7.4	<7.6	<9.0
cis-1,2-Dichloroethene	14000	1000000	500000	<7.0	<8.7	<11.2	<13.4	<10.6	<6.6	<9.3	<6.9	<8.3	<6.8	<8.2	<6.5	<9.3	<6.5	<8.4	<7.9	<8.1	<7.4	<7.6	<9.0
trans-1,2-Dichloroethene	20000	1000000	500000	<7.0	<8.7	<11.2	<13.4	<10.6	<6.6	<9.3	<6.9	<8.3	<6.8	<8.2	<6.5	<9.3	<6.5	<8.4	<7.9	<8.1	<7.4	<7.6	<9.0
4-Isopropyltoluene	41800	1000000	500000	<7.0	<8.7	<11.2	<13.4	<10.6	<6.6	<9.3	<6.9	<8.3	<6.8	<8.2	<6.5	<9.3	<6.5	<8.4	<7.9	<8.1	<7.4	<7.6	<9.0
Dichlorodifluoromethane (Freon12)	----	----	----	<14.0	<17.5	<22.5	<26.8	<21.2	<13.2	<18.6	<13.8	<16.6	<13.7	<16.4	<12.9	<18.6	<12.9	<16.8	<15.8	<16.3	<14.9	<15.2	<17.9
Ethylbenzene	10100	1000000	500000	<7.0	<8.7	<11.2	<13.4	<10.6	<6.6	<9.3	<6.9	<8.3	<6.8	<8.2	<6.5	<9.3	<6.5	<8.4	<7.9	<8.1	<7.4	<7.6	<9.0
Isopropylbenzene	132000	1000000	500000	<7.0	<8.7	<11.2	<13.4	<10.6	<6.6	<9.3	<6.9	<8.3	<6.8	<8.2	<6.5	<9.3	<6.5	<8.4	<7.9	<8.1	<7.4	<7.6	<9.0
Naphthalene	56000	2500000	1000000	<7.0	<8.7	<11.2	<13.4	<10.6	<6.6	<9.3	<6.9	<8.3	<6.8	<8.2	<6.5	<9.3	<6.5	<8.4	<7.9	<8.1	<7.4	<7.6	<9.0
n-Propylbenzene	14000	1000000	500000	<7.0	<8.7	<11.2	<13.4	<10.6	<6.6	<9.3	<6.9	<8.3	<6.8	<8.2	<6.5	<9.3	<6.5	<8.4	<7.9	<8.1	<7.4	<7.6	<9.0
Tetrachloroethene	1000	110000	12000	<7.0	<8.7	<11.2	<13.4	<10.6	<6.6	<9.3	<6.9	<8.3	<6.8	<8.2	<6.5	<9.3	<6.5	<8.4	<7.9	<8.1	<7.4	<7.6	<9.0
Toluene	67000	1000000	500000	<7.0	<8.7	<11.2	<13.4	<10.6	<6.6	<9.3	<6.9	<8.3	<6.8	<8.2	<6.5	<9.3	<6.5	<8.4	<7.9	<8.1	<7.4	<7.6	<9.0
1,1,1-Trichloroethane	40000	1000000	500000	<7.0	<8.7	<11.2	<13.4	<10.6	<6.6	<9.3	<6.9	<8.3	<6.8	<8.2	<6.5	<9.3	<6.5	<8.4	<7.9	<8.1	<7.4	<7.6	<9.0
Trichloroethene	1000	520000	56000	<7.0	<8.7	<11.2	<13.4	<10.6	<6.6	<9.3	<6.9	<8.3	<6.8	<8.2	<6.5	<9.3	<6.5	<8.4	<7.9	<8.1	<7.4	<7.6	<9.0
1,2,4-Trimethylbenzene	70000	1000000	500000	<7.0	<8.7	<11.2	<13.4	<10.6	<6.6	<9.3	<6.9	<8.3	<6.8	<8.2	<6.5	<9.3	<6.5	<8.4	<7.9	<8.1	<7.4	<7.6	<9.0
1,3,5-Trimethylbenzene	70000	1000000	500000	<7.0	<8.7	<11.2	<13.4	<10.6	<6.6	<9.3	<6.9	<8.3	<6.8	<8.2	<6.5	<9.3	<6.5	<8.4	<7.9	<8.1	<7.4	<7.6	<9.0
Vinyl chloride	400	3000	320	<7.0	<8.7	<11.2	<13.4	<10.6	<6.6	<9.3	<6.9	<8.3	<6.8	<8.2	<6.5	<9.3	<6.5	<8.4	<7.9	<8.1	<7.4	<7.6	<9.0
m,p-Xylene	----	----	----	<14.0	<17.5	<22.5	<26.8	<21.2	<13.2	<18.6	<13.8	<16.6	<13.7	<16.4	<12.9	<18.6	<12.9	<16.8	<15.8	<16.3	<14.9	<15.2	<17.9
o-Xylene	----	----	----	<7.0	<8.7	<11.2	<13.4	<10.6	<6.6	<9.3	<6.9	<8.3	<6.8	<8.2	<6.5	<9.3	<6.5	<8.4	<7.9	<8.1	<7.4	<7.6	<9.0
Xylenes	19500	1000000	500000	<7.0	<8.7	<11.2	<13.4	<10.6	<6.6	<9.3	<6.9	<8.3	<6.8	<8.2	<6.5	<9.3	<6.5	<8.4	<7.9	<8.1	<7.4	<7.6	<9.0
Semi-Volatile Organic Compounds (SVOCs) by SW846 8270C (µg/kg)																							
Acenaphthene	84000	2500000	1000000	<425	<436	<516	<595	<281	<441	<510	<423	<488	<369	<452	<383	<432	<400	<431	<423	<430	<424	<435	<449
Acenaphthylene	84000	2500000	1000000	<425	<436	<516	<595	<281	<441	<510	<423	<488	<369	<452	665	<432	<400	<431	<423	<430	<424	<435	<449
Anthracene	400000	2500000	1000000	<425	<436	<516	<595	<281	<441	<510	<423	<488	<369	<452	434	<432	<400	<431	<423	<430	<424	<435	<449
Benzo (a) anthracene	1000	7800	1000	444	**1450**	<516	<595	496	<441	<510	<423	<488	<369	<452	**2990**	<432	<400	<431	<423	<430	<424	<435	<449
Benzo (a) pyrene	1000	1000	1000	<425	937	<516	<595	381	<441	<510	<423	<488	<369	<452	**2060**	<432	<400	<431	<423	<430	<424	<435	<449
Benzo (b) fluoranthene	1000	7800	1000	443	**1380**	<516	<595	561	<441	<510	<423	<488	<369	<452	**2670**	<432	<400	<431	<423	<430	<424	<435	<449
Benzo (g,h,i) perylene	42000	2500000	1000000	<425	589	<516	<595	<281	<441	<510	<423	<488	<369	<452	877	<432	<400	<431	<423	<430	<424	<435	<449
Benzo (k) fluoranthene	1000	78000	8400	536	**1380**	<516	<595	409	<441	<510	<423	<488	<369	<452	**2710**	<432	<400	<431	<423	<430	<424	<435	<449
Carbazole	1000	290000	31000	<425	<436	<516	<595	<281	<441	<510	<423	<488	<369	<452	<383	<432	<400	<431	<423	<430	<424	<435	<449
Chrysene	1000	780000	84000	867	**2210**	<516	<595	567	<441	<510	<423	<488	<369	<452	**3130**	466	<400	<431	<423	<430	<424	<435	<449
Dibenzo (a,h) anthracene	1000	1000	1000	<425	<436	<516	<595	<281	<441	<510	<423	<488	<369	<452	<383	<432	<400	<431	<423	<430	<424	<435	<449
Dibenzofuran	5600	2500000	270000	<425	<436	<516	<595	<281	<441	<510	<423	<488	<369	<452	<383	<432	<400	<431	<423	<430	<424	<435	<449
Fluoranthene	56000	2500000	1000000	2260	4780	<516	<595	681	<441	<510	<423	<488	<369	591	5550	688	<400	<431	<423	<430	<424	<435	<449
Fluorene	56000	2500000	1000000	<425	<436	<516	<595	<281	<441	<510	<423	<488	<369	<452	<383	<432	<400	<431	<423	<430	<424	<435	<449
Indeno (1,2,3-cd) pyrene	1000	7800	1000	<425	646	<516	<595	290	<441	<510	<423	<488	<369	<452	**1160**	<432	<400	<431	<423	<430	<424	<435	<449
1-Methylnaphthalene	----	----	----	<425	<436	<516	<595	<281	<441	<510	<423	<488	<369	<452	<383	<432	<400	<431	<423	<430	<424	<435	<449
2-Methylnaphthalene	9800	2500000	474000	<425	<436	<516	<595	<281	<441	<510	<423	<488	<369	<452	<383	<432	<400	<431	<423	<430	<424	<435	<449
Naphthalene	56000	2500000	1000000	<425	<436	<516	<595	<281	<441	<510	<423	<488	<369	<452	<383	<432	<400	<431	<423	<430	<424	<435	<449
Phenanthrene	40000	2500000	1000000	1070	1690	<516	<595	<281	<441	<510	<423	<488	<369	<452	<383	<432	<400	<431	<423	<430	<424	<435	<449
Pyrene	40000	2500000	1000000	2340	5730	<516	<595	747	<441	<510	<423	<488	<369	524	6370	754	<400	<431	<432	<430	<424	<435	<449
SPLP of PAHs by SW846 1312/8270C (µg/l)																							
Total SPLP PAHs	Varies	Varies	Varies	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total RCRA 8 Metals by EPA 6000/7000 Series Methods (mg/kg)																							
Silver	----	10000	340	<1.80	<1.80	<2.30	<2.53	<2.28	<1.85	<2.11	<1.78	<1.97	<1.46	<1.84	<1.60	<1.82	<1.66	<1.66	2.83	<1.69	<1.76	<1.99	<1.82
Arsenic	----	10	10	**10.4**	**41.2**	**38.9**	**25.1**	**130**	<1.85	2.13	7.03	**11.1**	<1.46	8.74	**29.8**	**45.1**	<1.66	4.43	1.97	4.53	2.16	2.02	4.39
Barium	----	140000	4700	84.6	69.2	58.9	197	99.3	31.4	80.2	49.7	65.4	73.8	75.6	53.7	86.7	22.7	68.0	95.6	109	88.5	69.2	41.5
Cadmium	----	1000	34	0.678	<0.600	<0.787	0.935	<0.759	<0.615	<0.704	<0.594	<0.655	<0.487	0.711	0.561	<0.607	<0.552	<0.555	0.586	0.632	<0.588	<0.664	<0.606
Chromium	----	----	----	9.41	8.94	6.98	11.0	12.6	12.2	22.5	12	15.9	16.4	21.9	7.26	9.83	4.42	10.9	28.3	25.2	21.0	16.0	10.0
Mercury	----	610	20	0.734	0.0854	<0.0458	0.168	0.104	<0.0373	<0.0432	0.676	0.0515	<0.0317	0.0554	0.170	0.87	<0.0338	0.129	<0.0367	<0.0369	<0.0365	<0.0373	0.0885
Lead	----	1000	400	155.0	61.0	46.8	109	139	6.47	9.4	62.8	22.9	5.84	22.7	83.8	134	3.02	62	10.4	11.8	7.4	11.9	55.2
Selenium	----	10000	340	2.08	2.04	<2.30	3.98	2.88	<1.85	3.93	2.37	2.72	2.42	4.21	2.37	<1.82	<1.66	<1.66	<1.66	3.90	2.99	3.00	2.41
SPLP of Metals (mg/l)																							
Silver	0.36	----	----	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	0.5	----	----	<0.0080	<0.0080	NA	<0.0080	<0.0080	NA	NA	NA	<0.0080	NA	NA	<0.0080	<0.0080	NA	NA	NA	NA	NA	NA	NA
Barium	10	----	----	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	0.05	----	----	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	0.5	----	----	<0.0100	<0.0100	NA	NA	<0.0100	NA	NA	NA	<0.0100	NA	NA	NA	<0.0100	NA	NA	NA	NA	NA	NA	NA
Mercury	0.02	----	----	<0.00020	<0.00020	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.00020	NA	NA	NA	NA	NA	NA	NA
Lead	0.15	----	----	<0.0150	<0.0150	NA	NA	0.0150	NA	NA	NA	<0.0150	NA	NA	<0.0150	<0.0150	NA	NA	NA	NA	NA	NA	NA
TCLP of Metals (mg/l)																							
Arsenic	0.5	----	----	NA	NA	NA	NA	<0.0080	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	10	----	----	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	0.05	----	----	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	0.5	----	----	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	0.02	----	----	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	0.15	----	----	0.0076	NA	NA	0.0086	<0.0150	NA	NA	NA	NA	NA	NA	NA	<0.0150	NA	NA	NA	NA	NA	NA	NA
Total Petroleum Hydrocarbons (TPH) by ETPH Method (mg/kg)																							
Total Petroleum Hydrocarbons	2500	2500	500	76.1	158	<20.8	63.4	74.0	<17.8	<20.6	<17.1	<19.7	<14.9	61.6	152	61.6	<16.1	22.0	<17.1	<17.3	<17.1	<17.5	<18.1
Polychlorinated Biphenyls (PCBs) by SW846 8082 (µg/kg)																							
PCB 1262	----	----	----	<25.6	<26.0	<31.2	<36.4	<32.4	<25.2	<29.5	<25.4	<28.3	<21.4	<27.6	<22.3	<29.5	<23.1	<24.4	<25.4	<25.0	<24.3	<25.0	<26.5
Total Polychlorinated Biphenyls	----	10,000	1,000	<25.6	<26.0	<31.2	<36.4	<32.4	<25.2	<29.5	<25.4	<28.3	<21.4	<27.6	<22.3	<29.5	<23.1	<24.4	<25.4	<25.0	<24.3	<25.0	<26.5
Organochlorine Pesticides by SW846 8081A (ug/kg)																							
4,4' DDT	----	17,000	1,800	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	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)	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
PAH = Polycyclic Aromatic Hydrocarbon
ETPH = Extractable Total Petroleum Hydrocarbons
SPLP = Synthetic Precipitation Leaching Procedure
TCLP = Toxicity Characteristic 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
E = The concentration indicated for this analyte is an estimated
BRL = Below Laboratory Reportable Detection Limits
(var) = Variable Laboratory Detection Limits
= Original Estimated Value/Reanalyzed Value
VOC6 = the production of Acetone and other ketones is commonly seen when using the SW 846 5035A extraction technique
Notes:
1. Analytes listed when detected in at least one sample

Table 1
Laboratory Soil Results
New Britain-Harford Busway
Access Road
T# 127-17797-08011
DOT Project No. 171-305
DOT Assignment No. 403-3526

Sample Location				RSB-C61 (1-3)	RSB-C62 (1-3)	RSB-C63 (1-3)	RSB-C64 (1-3)	RSB-C65 (1-3)	RSB-C66 (1-4)	RSB-C67 (1-4)	RSB-C68 (1-4)	RSB-C69 (1-4)	RSB-C70 (1-4)	RSB-C71 (4-8)	RSB-C72 (1-4)	RSB-C73 (4-8)	RSB-C74 (4-8)	RSB-C75 (1-4)	RSB-C76 (1-4)	RSB-C77 (4-8)	RSB-C78 (1-4)	RSB-C79 (1-4)	RSB-C80 (1-4)
Laboratory ID				SA89497-01	SA89497-02	SA89497-03	SA89497-04	SA89497-05	SA89019-05	SA89019-04	SA89019-01	SA89019-02	SA89019-03	SA89114-08	SA89114-07	SA89114-06	SA89114-05	SA89114-04	SA89114-03	SA89114-02	SA89114-01	SA89909-01	SA89909-02
Sample Date				1/5/2009	1/5/2009	1/5/2009	1/5/2009	1/5/2009	12/17/2008	12/17/2008	12/17/2008	12/17/2008	12/17/2008	12/18/2008	12/18/2008	12/18/2008	12/18/2008	12/18/2008	12/18/2008	12/18/2008	12/18/2008	1/14/2009	1/14/2009
	CTDEP Remediation Standard Regulations (RSR) Criteria																						
	GB PMC	I/C DEC	Res DEC																				
Volatile Organic Compounds (VOCs) by SW846 8260B (µg/kg)																							
Acetone	140000	1000000	500000	<68.9	<75.9	<74.5	<92.9	<94.2	<777	<71.7	<76.1	<930	72.4 (VOC)	<62.3	<640	<60.4	<47.9	<664	<54.1	68.7 (VOC6)	<66.7	<82.8	<62.4
n-Butylbenzene	14000	1000000	500000	<6.9	<7.6	<7.4	<9.3	<9.4	339	<7.2	<7.6	<93.0	<6.6	<6.2	<64.0	<6.0	<4.8	<66.4	<5.4	<6.5	<6.7	<8.3	<6.2
1,1-Dichloroethane	14000	1000000	500000	<6.9	<7.6	<7.4	<9.3	<9.4	<77.7	<7.2	<7.6	<93.0	<6.6	<6.2	<64.0	<6.0	<4.8	<66.4	<5.4	<6.5	<6.7	<8.3	<6.2
cis-1,2-Dichloroethene	14000	1000000	500000	<6.9	<7.6	<7.4	<9.3	<9.4	<77.7	<7.2	<7.6	<93.0	<6.6	<6.2	<64.0	<6.0	<4.8	<66.4	<5.4	<6.5	<6.7	<8.3	<6.2
trans-1,2-Dichloroethene	20000	1000000	500000	<6.9	<7.6	<7.4	<9.3	<9.4	<77.7	<7.2	<7.6	<93.0	<6.6	<6.2	<64.0	<6.0	<4.8	<66.4	<5.4	<6.5	<6.7	<8.3	<6.2
4-Isopropyltoluene	41800	1000000	500000	<6.9	<7.6	<7.4	<9.3	<9.4	253	<7.2	<7.6	<93.0	<6.6	<6.2	<64.0	<6.0	<4.8	<66.4	<5.4	<6.5	<6.7	<8.3	<6.2
Dichlorodifluoromethane (Freon12)	----	----	----	<13.8	<15.2	<14.9	<18.6	<18.8	<155	<14.3	<15.2	<186	<13.3	<12.5	<128	<12.1	<9.6	<133	<10.8	<13.1	<13.3	<16.6	<12.5
Ethylbenzene	10100	1000000	500000	<6.9	<7.6	<7.4	<9.3	<9.4	<77.7	<7.2	<7.6	<93.0	<6.6	<6.2	<64.0	<6.0	<4.8	<66.4	<5.4	<6.5	<6.7	<8.3	<6.2
Isopropylbenzene	132000	1000000	500000	<6.9	<7.6	<7.4	<9.3	<9.4	<77.7	<7.2	<7.6	<93.0	<6.6	<6.2	<64.0	<6.0	<4.8	<66.4	<5.4	<6.5	<6.7	<8.3	<6.2
Naphthalene	56000	2500000	1000000	<6.9	<7.6	<7.4	<9.3	<9.4	1020	<7.2	<7.6	<93.0	<6.6	<6.2	<64.0	<6.0	<4.8	<66.4	<5.4	<6.5	<6.7	<8.3	<6.2
n-Propylbenzene	14000	1000000	500000	<6.9	<7.6	<7.4	<9.3	<9.4	95.6	<7.2	<7.6	<93.0	<6.6	<6.2	<64.0	<6.0	<4.8	<66.4	<5.4	<6.5	<6.7	<8.3	<6.2
Tetrachloroethene	1000	110000	12000	<6.9	<7.6	<7.4	<9.3	<9.4	<77.7	<7.2	<7.6	<93.0	<6.6	<6.2	<64.0	<6.0	<4.8	<66.4	<5.4	<6.5	<6.7	<8.3	<6.2
Toluene	67000	1000000	500000	<6.9	<7.6	<7.4	<9.3	<9.4	<77.7	<7.2	<7.6	<93.0	<6.6	<6.2	<64.0	<6.0	<4.8	<66.4	<5.4	<6.5	<6.7	<8.3	<6.2
1,1,1-Trichloroethane	40000	1000000	500000	<6.9	<7.6	<7.4	<9.3	<9.4	<77.7	<7.2	<7.6	<93.0	<6.6	<6.2	<64.0	<6.0	<4.8	<66.4	<5.4	<6.5	<6.7	<8.3	<6.2
Trichloroethene	1000	520000	56000	<6.9	<7.6	<7.4	<9.3	<9.4	<77.7	<7.2	<7.6	<93.0	<6.6	<6.2	<64.0	<6.0	<4.8	<66.4	<5.4	<6.5	<6.7	<8.3	<6.2
1,2,4-Trimethylbenzene	70000	1000000	500000	<6.9	<7.6	<7.4	<9.3	<9.4	587	<7.2	<7.6	<93.0	<6.6	<6.2	<64.0	<6.0	<4.8	<66.4	<5.4	<6.5	<6.7	<8.3	<6.2
1,3,5-Trimethylbenzene	70000	1000000	500000	<6.9	<7.6	<7.4	<9.3	<9.4	222	<7.2	<7.6	<93.0	<6.6	<6.2	<64.0	<6.0	<4.8	<66.4	<5.4	<6.5	<6.7	<8.3	<6.2
Vinyl chloride	400	3000	320	<6.9	<7.6	<7.4	<9.3	<9.4	<77.7	<7.2	<7.6	<93.0	<6.6	<6.2	<64.0	<6.0	<4.8	<66.4	<5.4	<6.5	<6.7	<8.3	<6.2
m,p-Xylene	----	----	----	<13.8	<15.2	<14.9	<18.6	<18.8	213	<14.3	<15.2	<186	<13.3	<12.5	<128	<12.1	<9.6	<133	<10.8	<13.1	<13.3	<16.6	<12.5
o-Xylene	----	----	----	<6.9	<7.6	<7.4	<9.3	<9.4	96.4	<7.2	<7.6	<93.0	<6.6	<6.2	<64.0	<6.0	<4.8	<66.4	<5.4	<6.5	<6.7	<8.3	<6.2
Xylenes	19500	1000000	500000	<6.9	<7.6	<7.4	<9.3	<9.4	309	<7.2	<7.6	<93.0	<6.6	<6.2	<64.0	<6.0	<4.8	<66.4	<5.4	<6.5	<6.7	<8.3	<6.2
Semi-Volatile Organic Compounds (SVOCs) by SW846 8270C (µg/kg)																							
Acenaphthene	84000	2500000	1000000	<399	<469	<495	<460	<437	521	<429	<445	<478	<785	<377	<370	<372	<343	<391	<364	<409	<404	<448	<377
Acenaphthylene	84000	2500000	1000000	<399	<469	<495	<460	<437	<508	<429	<445	<478	<785	<377	<370	<372	<343	<391	<364	<409	<404	641	<377
Anthracene	400000	2500000	1000000	<399	<469	<495	<460	<437	<508	<429	<445	<478	<785	<377	<370	<372	<343	<391	<364	<409	<404	522	<377
Benzo (a) anthracene	1000	7800	1000	<399	<469	<495	<460	**1190**	<508	<429	<445	<478	<785	<377	<370	<372	<343	<391	<364	<409	**1780**	**3070**	<377
Benzo (a) pyrene	1000	1000	1000	<399	<469	<495	<460	902	<508	<429	<445	<478	<785	<377	<370	<372	<343	<391	<364	<409	**1280**	**2430**	<377
Benzo (b) fluoranthene	1000	7800	1000	<399	<469	<495	<460	**1350**	<508	<429	<445	518	<785	<377	<370	<372	<343	<391	<364	<409	**1820**	**4140**	<377
Benzo (g,h,i) perylene	42000	2500000	1000000	<399	<469	<495	<460	597	<508	<429	<445	<478	<785	<377	<370	<372	<343	<391	<364	<409	786	1110	<377
Benzo (k) fluoranthene	1000	78000	8400	<399	<469	<495	<460	755	<508	<429	<445	<478	<785	<377	<370	<372	<343	<391	<364	<409	**1480**	**3100**	<377
Carbazole	1000	290000	31000	<399	<469	<495	<460	<437	<508	<429	<445	<478	<785	<377	<370	<372	<343	<391	<364	<409	<404	<448	<377
Chrysene	1000	780000	84000	<399	<469	<495	<460	**1410**	<508	<429	<445	562	<785	<377	<370	<372	<343	<391	<364	<409	**2560**	**3880**	<377
Dibenzo (a,h) anthracene	1000	1000	1000	<399	<469	<495	<460	<437	<508	<429	<445	<478	<785	<377	<370	<372	<343	<391	<364	<409	<404	464	<377
Dibenzofuran	5600	2500000	270000	<399	<469	<495	<460	<437	<508	<429	<445	<478	<785	<377	<370	<372	<343	<391	<364	<409	<404	<448	<377
Fluoranthene	56000	2500000	1000000	<399	<469	<495	<460	2520	<508	<429	<445	793	<785	<377	407	<372	<343	<391	<364	<409	5460	**7040**	<377
Fluorene	56000	2500000	1000000	<399	<469	<495	<460	<437	777	<429	<445	<478	<785	<377	<370	<372	<343	<391	<364	<409	<404	<448	<377
Indeno (1,2,3-cd) pyrene	1000	7800	1000	<399	<469	<495	<460	687	<508	<429	<445	<478	<785	<377	<370	<372	<343	<391	<364	<409	929	**1430**	<377
1-Methylnaphthalene	----	----	----	<399	<469	<495	<460	<437	4660	<429	<445	<478	<785	<377	<370	<372	<343	<391	<364	<409	<404	<448	<377
2-Methylnaphthalene	9800	2500000	474000	<399	<469	<495	<460	<437	2400	<429	<445	<478	<785	<377	<370	<372	<343	<391	<364	<409	<404	<448	<377
Naphthalene	56000	2500000	1000000	<399	<469	<495	<460	<437	626	<429	<445	<478	<785	<377	<370	<372	<343	<391	<364	<409	<404	<448	<377
Phenanthrene	40000	2500000	1000000	<399	<469	<495	<460	951	1090	<429	<445	<478	<785	<377	<370	<372	<343	<391	<364	<409	2280	3030	<377
Pyrene	40000	2500000	1000000	<399	<469	<495	<460	2520	609	<429	<445	970	<785	<377	401	<372	<343	<391	<364	<409	5880	5770	<377
SPLP of PAHs by SW846 1312/8270C (µg/l)																							
Total SPLP PAHs	Varies	Varies	Varies	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total RCRA 8 Metals by EPA 6000/7000 Series Methods (mg/kg)																							
Silver	----	10000	340	<1.78	<1.69	<1.94	<2.03	<1.77	<1.82	<1.86	<1.73	<2.06	<1.68	<1.53	<1.60	<1.63	<1.32	<1.79	<1.59	<1.85	<1.65	<2.02	<1.60
Arsenic	----	10	10	2.53	**56.8**	**12.8**	**21.4**	**40.2**	3.72	3.19	5.30	**18.8**	3.24	<1.53	3.67	<1.63	<1.32	1.80	9.06	4.72	9.10	**14.0**	**13.5**
Barium	----	140000	4700	42.3	61.5	49.1	103	101	74.3	2780	111	125	64.0	44.9	100	35.6	24.6	44.7	33.3	124	142	286	129
Cadmium	----	1000	34	<0.594	0.819	0.764	0.887	1.3	<0.606	<0.621	<0.577	1.10	<0.560	<0.511	<0.535	<0.544	<0.438	<0.596	<0.529	1.07	0.871	1.18	0.751
Chromium	----	----	----	10.3	13.4	13.8	10.6	13.8	13.3	17.3	18.4	12.2	12.6	8.56	6.40	6.75	4.96	5.01	5.74	21.8	12.3	19.9	8.98
Mercury	----	610	20	0.145	0.542	0.0943	0.171	0.281	0.0654	<0.0383	0.870	0.458	0.103	<0.0312	0.137	<0.0307	0.0610	0.189	0.165	0.292	0.123	0.202	0.186
Lead	----	1000	400	20.9	116	65.7	285	211	36.4	44.6	83.4	232	54.3	4.47	62.9	5.20	4.83	23.4	50.3	120	84.9	166	381
Selenium	----	10000	340	2.01	<1.89	2.42	2.73	2.21	2.68	4.13	3.29	2.52	2.65	1.87	<1.60	<1.63	<1.32	<1.79	<1.59	3.68	2.94	3.14	2.45
SPLP of Metals (mg/l)																							
Silver	0.36	----	----	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	0.5	----	----	NA	<0.0080	<0.0080	<0.0080	<0.0080	NA	NA	NA	<0.0080	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.0040	NA
Barium	10	----	----	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.164	NA
Cadmium	0.05	----	----	NA	<0.0050	<0.0050	<0.0050	<0.0050	NA	NA	NA	<0.0050	NA	NA	NA	NA	NA	NA	NA	<0.0050	NA	<0.0025	NA
Chromium	0.5	----	----	NA	<0.0100	<0.0100	<0.0100	<0.0100	NA	NA	NA	<0.0100	NA	NA	NA	NA	NA	NA	NA	<0.0100	NA	<0.0050	NA
Mercury	0.02	----	----	NA	<0.00020	<0.00020	<0.00020	<0.00020	NA	NA	NA	<0.00020	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	0.15	----	----	NA	<0.0150	<0.0150	<0.0150	<0.0150	NA	NA	NA	<0.0150	NA	NA	NA	NA	NA	NA	NA	<0.0150	NA	<0.0075	NA
TCLP of Metals (mg/l)																							
Arsenic	0.5	----	----	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	10	----	----	NA	NA	NA	NA	NA	NA	2.19	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	0.05	----	----	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	0.5	----	----	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	0.02	----	----	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	0.15	----	----	NA	<0.0150	NA	<0.0150	0.0226	NA	NA	NA	0.0325	NA	NA	NA	NA	NA	NA	NA	0.488	NA	NA	0.0360
Total Petroleum Hydrocarbons (TPH) by ETPH Method (mg/kg)																							
Total Petroleum Hydrocarbons	2500	2500	500	<16.1	<18.9	<19.9	42.9	162	751	62.7	81.9	104	188	<15.2	44.6	<15.0	<13.8	<15.7	<14.7	59.4	146	253	63.3
Polychlorinated Biphenyls (PCBs) by SW846 8082 (µg/kg)																							
PCB 1262	----	----	----	<23.5	<27.2	<29.0	<26.7	<26.1	<25.8	<25.6	<25.8	<29.2	<22.5	<21.4	<22.4	<21.9	<19.8	<22.0	<21.8	<23.4	<23.8	<26.8	<23.0
Total Polychlorinated Biphenyls	----	10,000	1,000	<23.5	<27.2	<29.0	<26.7	<26.1	<25.8	<25.6	<25.8	<29.2	<22.5	<21.4	<22.4	<21.9	<19.8	<22.0	<21.8	<23.4	<23.8	<26.8	<23.0
Organochlorine Pesticides by SW846 8081A (ug/kg)																							
4,4' DDT	----	17,000	1,800	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	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)	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
PAH = Polycyclic Aromatic Hydrocarbon
ETPH = Extractable Total Petroleum Hydrocarbons
SPLP = Synthetic Precipitation Leaching Procedure
TCLP = Toxicity Characteristic 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
E = The concentration indicated for this analyte is an estimated
BRL = Below Laboratory Reportable Detection Limits
(var) = Variable Laboratory Detection Limits
= Original Estimated Value/Reanalyzed Value
VOC6 = the production of Acetone and other ketones is commonly seen when using the SW 846 5035A extraction technique
Notes:
1. Analytes listed when detected in at least one sample

Table 1
Laboratory Soil Results
New Britain-Harford Busway
Access Road
Tt# 127-17797-08011
DOT Project No. 171-305
DOT Assignment No. 403-3526

Sample Location				RSB-C81 (1-4)	RSB-C82 (1-4)
Laboratory ID				SA89909-03	SA89909-04
Sample Date				1/14/2009	1/14/2009
	CTDEP Remediation Standard Regulations (RSR) Criteria				
	GB PMC	I/C DEC	Res DEC		
Volatile Organic Compounds (VOCs) by SW846 8260B (µg/kg)					
Acetone	140000	1000000	500000	<71.1	<44.1
n-Butylbenzene	14000	1000000	500000	<7.1	<4.4
1,1-Dichloroethane	14000	1000000	500000	<7.1	<4.4
cis-1,2-Dichloroethene	14000	1000000	500000	<7.1	<4.4
trans-1,2-Dichloroethene	20000	1000000	500000	<7.1	<4.4
4-Isopropyltoluene	41800	1000000	500000	<7.1	<4.4
Dichlorodifluoromethane (Freon12)	----	----	----	<14.2	<8.8
Ethylbenzene	10100	1000000	500000	<7.1	<4.4
Isopropylbenzene	132000	1000000	500000	<7.1	<4.4
Naphthalene	56000	2500000	1000000	<7.1	<4.4
n-Propylbenzene	14000	1000000	500000	<7.1	<4.4
Tetrachloroethene	1000	110000	12000	<7.1	<4.4
Toluene	67000	1000000	500000	<7.1	<4.4
1,1,1-Trichloroethane	40000	1000000	500000	<7.1	<4.4
Trichloroethene	1000	520000	58000	<7.1	<4.4
1,2,4-Trimethylbenzene	70000	1000000	500000	<7.1	<4.4
1,3,5-Trimethylbenzene	70000	1000000	500000	<7.1	<4.4
Vinyl chloride	400	3000	320	<7.1	<4.4
m,p-Xylene	----	----	----	<14.2	<8.8
o-Xylene	----	----	----	<7.1	<4.4
Xylenes	19500	1000000	500000	<7.1	<4.4
Semi-Volatile Organic Compounds (SVOCs) by SW846 8270C (µg/kg)					
Acenaphthene	84000	2500000	1000000	<433	<361
Acenaphthylene	84000	2500000	1000000	<433	<361
Anthracene	400000	2500000	1000000	<433	<361
Benzo (a) anthracene	1000	7800	1000	<433	<361
Benzo (a) pyrene	1000	1000	1000	<433	<361
Benzo (b) fluoranthene	1000	7800	1000	<433	<361
Benzo (g,h,i) perylene	42000	2500000	1000000	<433	<361
Benzo (k) fluoranthene	1000	78000	8400	<433	<361
Carbazole	1000	260000	31000	<433	<361
Chrysene	1000	780000	84000	<433	<361
Dibenzo (a,h) anthracene	1000	1000	1000	<433	<361
Dibenzofuran	5600	2500000	270000	<433	<361
Fluoranthene	56000	2500000	1000000	<433	<361
Fluorene	56000	2500000	1000000	<433	<361
Indeno (1,2,3-cd) pyrene	1000	7800	1000	<433	<361
1-Methylnaphthalene	----	----	----	<433	<361
2-Methylnaphthalene	9800	2500000	474000	<433	<361
Naphthalene	56000	2500000	1000000	<433	<361
Phenanthrene	40000	2500000	1000000	<433	<361
Pyrene	40000	2500000	1000000	<433	<361
SPLP of PAHs by SW846 1312/8270C (µg/l)					
Total SPLP PAHs	Varies	Varies	Varies	NA	NA
Total RCRA 8 Metals by EPA 6000/7000 Series Methods (mg/kg)					
Silver	----	10000	340	<1.94	<1.46
Arsenic	----	10	10	8.69	3.37
Barium	----	140000	4700	97.2	134
Cadmium	----	1000	34	1.78	<0.487
Chromium	----	----	----	8.24	26.4
Mercury	----	610	20	0.41	0.0444
Lead	----	1000	400	121	18
Selenium	----	10000	340	2.58	4.46
SPLP of Metals (mg/l)					
Silver	0.36	----	----	NA	NA
Arsenic	0.5	----	----	NA	NA
Barium	10	----	----	NA	NA
Cadmium	0.05	----	----	NA	NA
Chromium	0.5	----	----	NA	NA
Mercury	0.02	----	----	NA	NA
Lead	0.15	----	----	NA	NA
TCLP of Metals (mg/l)					
Arsenic	0.5	----	----	NA	NA
Barium	10	----	----	NA	NA
Cadmium	0.05	----	----	NA	NA
Chromium	0.5	----	----	NA	NA
Mercury	0.02	----	----	NA	NA
Lead	0.15	----	----	0.0790	NA
Total Petroleum Hydrocarbons (TPH) by ETPH Method (mg/kg)					
Total Petroleum Hydrocarbons	2500	2500	500	<17.4	<14.5
Polychlorinated Biphenyls (PCBs) by SW846 8082 (µg/kg)					
PCB 1262	----	----	----	<24.9	<22.2
Total Polychlorinated Biphenyls	----	10,000	1,000	<24.9	<22.2
Organochlorine Pesticides by SW846 8081A (ug/kg)					
4,4' DDT	----	17,000	1,800	NA	NA
Chlorinated Herbicides by SW846 8151A (µg/kg)					
Chlorinated Herbicides	Varies	Varies	Varies	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
PAH = Polycyclic Aromatic Hydrocarbon
ETPH = Extractable Total Petroleum Hydrocarbons
SPLP = Synthetic Precipitation Leaching Procedure
TCLP = Toxicity Characteristic 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
E = The concentration indicated for this analyte is an estimated
BRL = Below Laboratory Reportable Detection Limits
(var) = Variable Laboratory Detection Limits
##/ = Original Estimated Value/Reanalyzed Value
VOC6 = the production of Acetone and other ketones is commonly seen when using the SW 846 5035A extraction technique
Notes:
1. Analytes listed when detected in at least one sample

Table 2
Laboratory Groundwater Data
New Britain-Harford Busway
Access Road
Tt# 127-17797-08011
DOT Project No. 171-305
DOT Assignment No. 403-3526

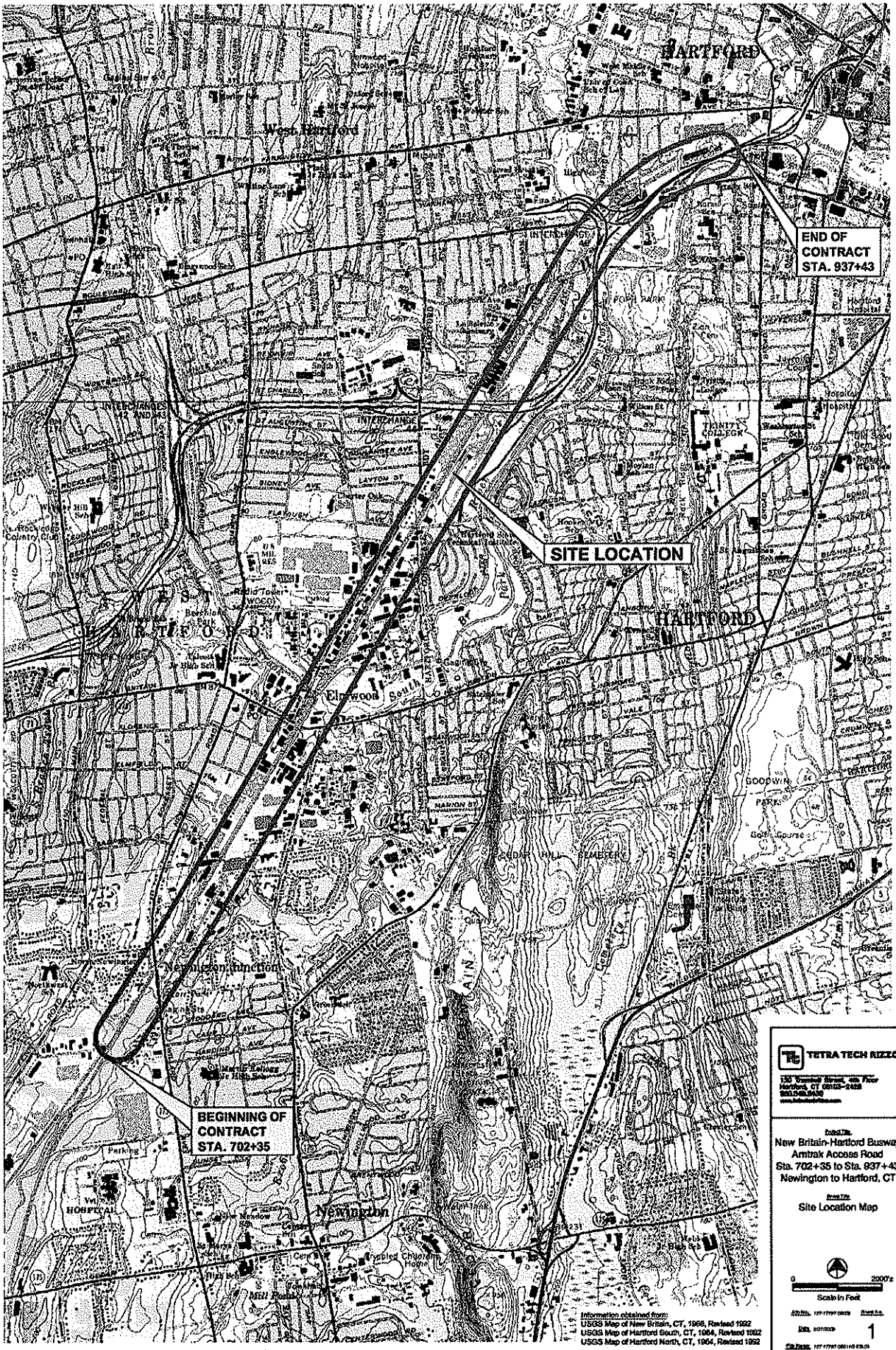
Sample Location **Laboratory ID** **Sample Date**	**CTDEP Remediation Standard Regulations (RSR) Criteria** **SWPC**	**Res VC**	**I/C VC**	**RSB-C54 (GW)** **SA89355-03** **12/29/2008**
Volatile Organic Compounds (VOCs) by SW846 8260B (µg/l)				
Total VOCs	Vaires	Varies	Varies	BRL(var)
Semi-Volatile Organic Compounds (SVOCs) by SW846 8270C/EPA 625 SIM (µg/l)				
Naphthalene	----	----	----	0.110
Total RCRA 8 Metals by EPA 6000/7000 Series Methods (mg/l)				
Arsenic	0.004	----	----	**0.0462**
Barium	----	----	----	0.950
Cadmium	0.006	----	----	**0.0076**
Chromium	----	----	----	0.430
Mercury	0.0004	----	----	**0.00122**
Lead	0.013	----	----	**0.188**
Selenium	0.050	----	----	**0.0939**
Total Petroleum Hydrocarbons (TPH) (ETPH Method) (mg/l)				
Total Petroleum Hydrocarbons	----	----	----	<0.2
Polychlorinated Biphenyls (PCBs) by SW846 8082 (µg/l)				
Total Polychlorinated Biphenyls	0.5	----	----	<0.213
Chlorinated Herbicides by SW846 8151A (µg/kg)				
Chlorinated Herbicides	Varies	Varies	Varies	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
var = Variable Laboratory Detection Limit
ETPH = Extractable Total Petroleum Hydrocarbons
BRL = Below Reporting Limit
SWPC = Surface Water Protection Criteria
I/C VC = Industrial/Commercial Volatilization Criteria
Res VC = Residential Volatilization Criteria
CTDEP = Connecticut Department of Environmental Protection
RCRA = Resource Conservation and Recovery Act
ug/l = micrograms per liter
µg/kg= micrograms/kilogram or parts per billion
mg/L = milligrams/liter or parts per million
Notes:
1. Analytes listed when detected in at least one sample

Table 3
QA/QC Sample Results
New Britain-Harford Busway
Access Road
T# 127-17797-08011
DOT Project No. 171-305
DOT Assignment No. 403-3526

Sample Location				**Trip Blank**
Laboratory ID				**SA89355-06**
Sample Date				**12/29/2008**
	CTDEP Remediation Standard Regulations (RSR) Criteria			
	SWPC	**Res VC**	**I/C VC**	
Volatile Organic Compounds (VOCs) by SW846 8260B (µg/l)				
Dichlorodifluoromethane (Freon12)	----	----(93)	----(1200)	<2.0

Abbreviations:
Bold font denotes an exceedance of the RSRs
E = The concentration indicated for this analyte is an estimated value
---- = RSR criteria not established
< = Concentration less than the laboratory reportable detection limits
SWPC = Surface Water Protection Criteria
I/C VC = Industrial/Commercial Volatilization Criteria
Res VC = Residential Volatilization Criteria
CTDEP = Connecticut Department of Environmental Protection
µg/l= micrograms/liter
#/# = Original Estimated Value/Reanalyzed Value
#(#) = 1996 VC(Proposed 2003 Revision to Volatilization Criteria, not yet formally promulagated)
Notes:
1. Analytes listed when detected in at least one sample



TETRA TECH RIZZO

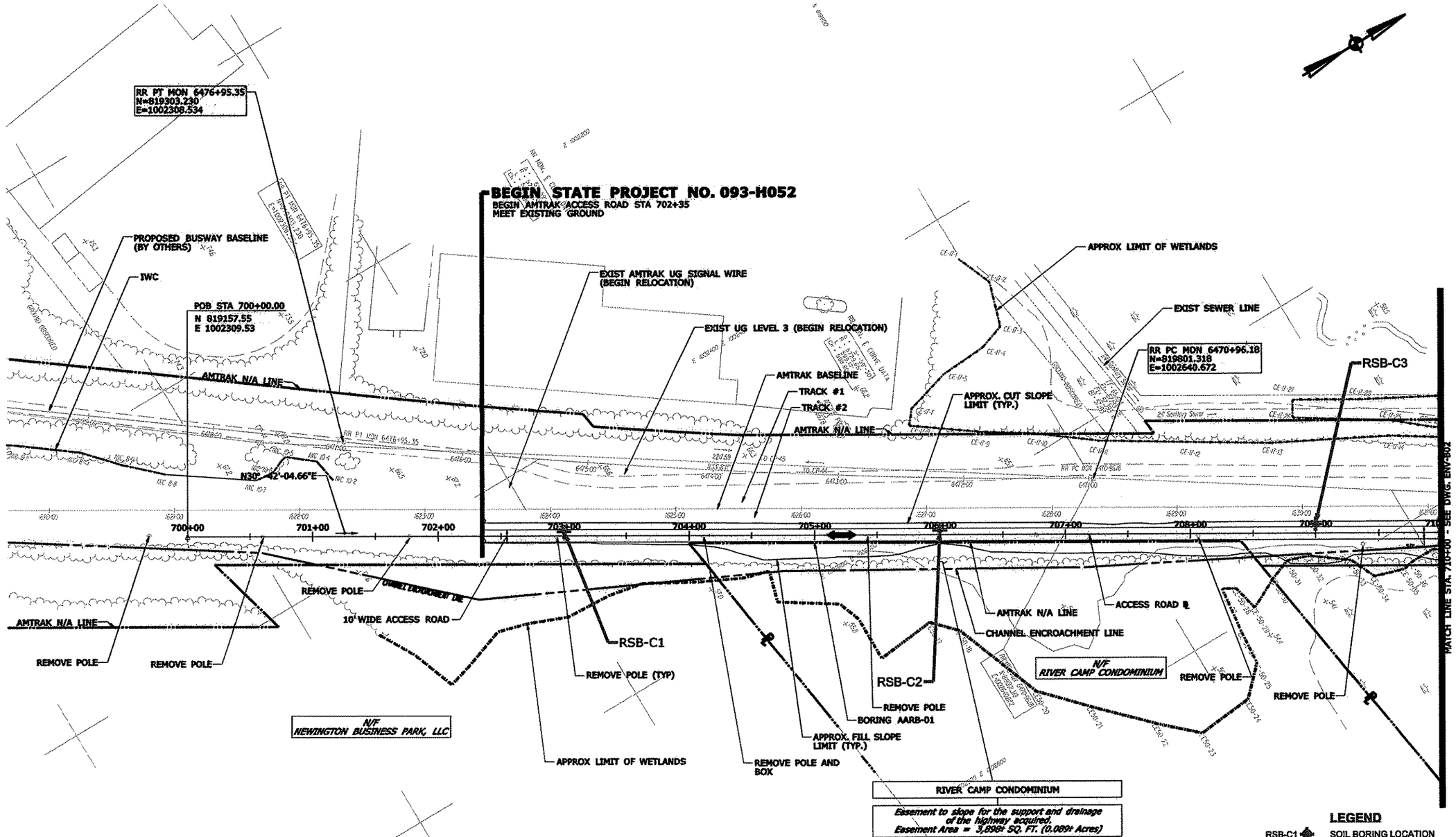
New Britain-Hartford Busway
Amtrak Access Road
Sta. 702+35 to Sta. 937+43
Newington to Hartford, CT

Site Location Map

0 2000'±
Scale in Feet

1

J:\Project\127-17797-08011\Graphic\127-17797-08011G-ESL01.dwg 2/27/2009 12:53:57 PM EST



SEMI FINAL DESIGN REVIEW

REV.	DATE	REVISION DESCRIPTION	SHEET NO.
-	-	-	-

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

DESIGNED/DRAWN BY: JDL
CHECKED BY: DTW
SCALE IN FEET
0 40 80
SCALE 1"=40'

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

TETRA TECH RIZZO, INC.

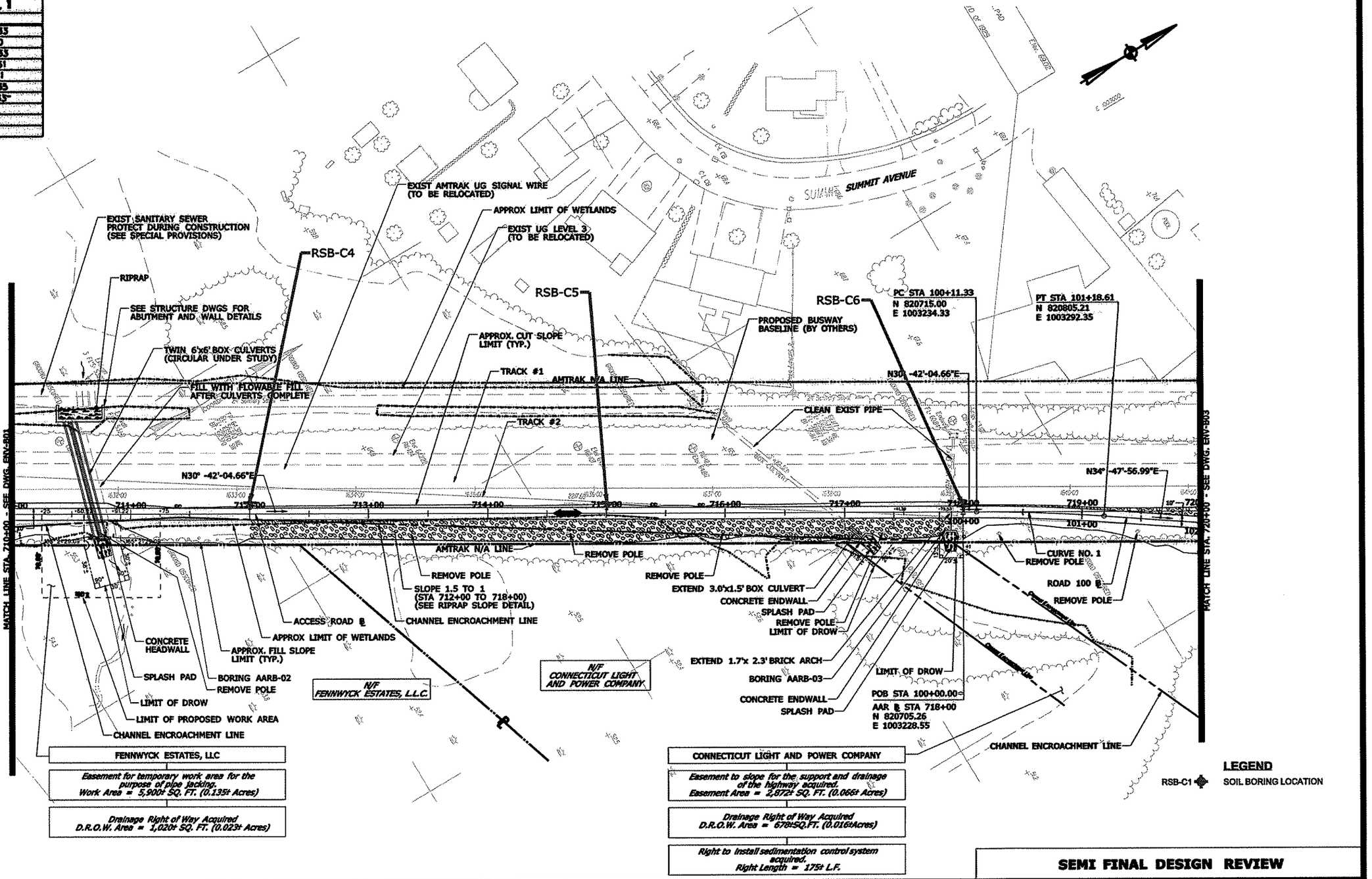
APPROVED BY: -
DATE: -

PROJECT TITLE:
NEW BRITAIN - HARTFORD BUSWAY
AMTRAK ACCESS ROAD

TOWN: NEWINGTON, WEST HARTFORD & HARTFORD
DRAWING TITLE: SOIL BORING LOCATION PLAN

PROJECT NO. 093-H052
DRAWING NO. ENV-B01
SHEET NO.

CURVE NO. 1	
ROAD 100 ℄	
P.C.	STA. 100+11.33
	N 820715.00
	E 1003234.33
P.T.	STA. 101+18.61
	N 820805.21
	E 1003292.35
Δ	4°-05'-52.35"
T	53.66'
L	107.26'
R	1500.00'



SEMI FINAL DESIGN REVIEW

REV.	DATE	REVISION DESCRIPTION	SHEET NO.
-	-	-	-

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

DESIGNED/DRAWN BY: JDL
CHECKED BY: DTW
SCALE IN FEET 0 40 80
SCALE 1"=40'

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

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

PROJECT TITLE:
NEW BRITAIN - HARTFORD BUSWAY
AMTRAK ACCESS ROAD

TOWN: NEWINGTON, WEST HARTFORD & HARTFORD
DRAWING TITLE: SOIL BORING LOCATION PLAN

PROJECT NO. 093-H052
DRAWING NO. ENV-B02
SHEET NO.

CURVE NO. 2	
ROAD 100 ℄	
P.C.	STA 103+93.28
	N 820981.49
	E 1003414.87
P.T.	STA 104+39.01
	N 821034.29
	E 1003502.84
Δ	48°-27'-42.10"
T	56.26'
L	105.75'
R	125.00'

RSB-C7

RSB-C8

RSB-C9

RSB-C10

EXISTING BRIDGE TO REMAIN (WILLARD AVENUE (RTE 173) OVER AMTRAK ACCESS ROAD)

WILLARD AVENUE (RTE. 173)

CHAPMAN STREET

FRANCIS AVENUE

MBR R-B 350

RETAINING WALL

SLOPE 1.5:1 (SEE RIPRAP SLOPE DETAIL)

AMTRAK N/A LINE

REMOVE BOXES

REMOVE POLES

ROAD 100 ℄

PC STA 103+33.28

N 820981.49

E 1003414.87

REMOVE POLES

CURVE NO. 2

PI STA 721+93.61

N 821043.71

E 1003429.51

PI STA 722+85.12

N 821118.00

E 1003482.92

PI STA 724+23.57

N 821237.03

E 1003553.64

PI STA 724+84.07

N 821292.63

E 1003577.48

POE STA 104+90.66

N 821040.35

E 1003554.13

PT STA 104+39.01

N 821034.29

E 1003502.84

CHAIN LINK DOUBLE GATE

R-B 350 BRIDGE ATTACHMENT (LEADING END)

PAVED DRIVEWAY ENTRANCE

LIMIT OF CONSTRUCTION

END AMTRAK ACCESS ROAD STA 104+41

CUT CONCRETE PAVEMENT

MATCH EXISTING GROUND

R-B 350 END ANCHORAGE -TYPE 1 (TYP)

EXISTING GAS & WATER MAINS

TEST PITS REQUIRED

PROVIDE STEEL CASINGS IF REQUIRED

PROTECT DURING CONSTRUCTION

MBR R-B 350

TIE INTO EXIST

8' HIGH CLF (TYP)

N34°-47'-56.99"E

N35°-42'-50.31"E

N30°-42'-25.74"E

N30°-42'-50.31"E

N23°-12'-50.31"E

N83°-15'-39.09"E

EXIST UG LEVEL 3 (TO BE RELOCATED)

EXIST AMTRAK UG SIGNAL WIRE (TO BE RELOCATED)

PROPOSED BUSWAY BASELINES (BY OTHERS)

TRACK #1

TRACK #2

RR-2

IWC

ACCESS ROAD ℄

POLE TO REMAIN

NEWINGTON NURSERY 2 STORY BRICK

N/F ANTHONY F. COLAGIOVIANNI

WOOD FRAME STORAGE SHED 1 STORY

WOOD BARN

LIMIT OF CONSTRUCTION

BEGIN AMTRAK ACCESS ROAD STA 728+00

MEET EXISTING GROUND

1150 2 STORY BRICK

APPROX. LIMIT OF WETLANDS

APPROX. FILL SLOPE LIMIT (TYP.)

BORING AARB-04

AMTRAK N/A LINE

PAVED DRIVEWAY ENTRANCE

CHAIN LINK DOUBLE GATE

6' HIGH CLF (TYP) (TIE TO EXIST)

OUT OF SERVICE GAS STATION 1 HALF STORY BRICK

MATCH LINE STA. 720+00 - SEE DWG. ENV-B02

MATCH LINE STA. 730+00 - SEE DWG. ENV-B04

LEGEND

RSB-C1 ⌖ SOIL BORING LOCATION

SEMI FINAL DESIGN REVIEW

REV.	DATE	REVISION DESCRIPTION	SHEET NO.
-	-	-	-

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS. BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

Plotted: 9/24/08

DESIGNED/DRAWN BY: JDL

CHECKED BY: DTW

SCALE IN FEET 0 40 80

SCALE 1"=40'

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: J:\Projects\2127-127707-09\11\Dsk\21\dwg_RSB_093_H052_ENV-B03.dgn

TETRA TECH RIZZO, INC.

APPROVED BY: -

DATE: -

PROJECT TITLE: NEW BRITAIN - HARTFORD BUSWAY AMTRAK ACCESS ROAD

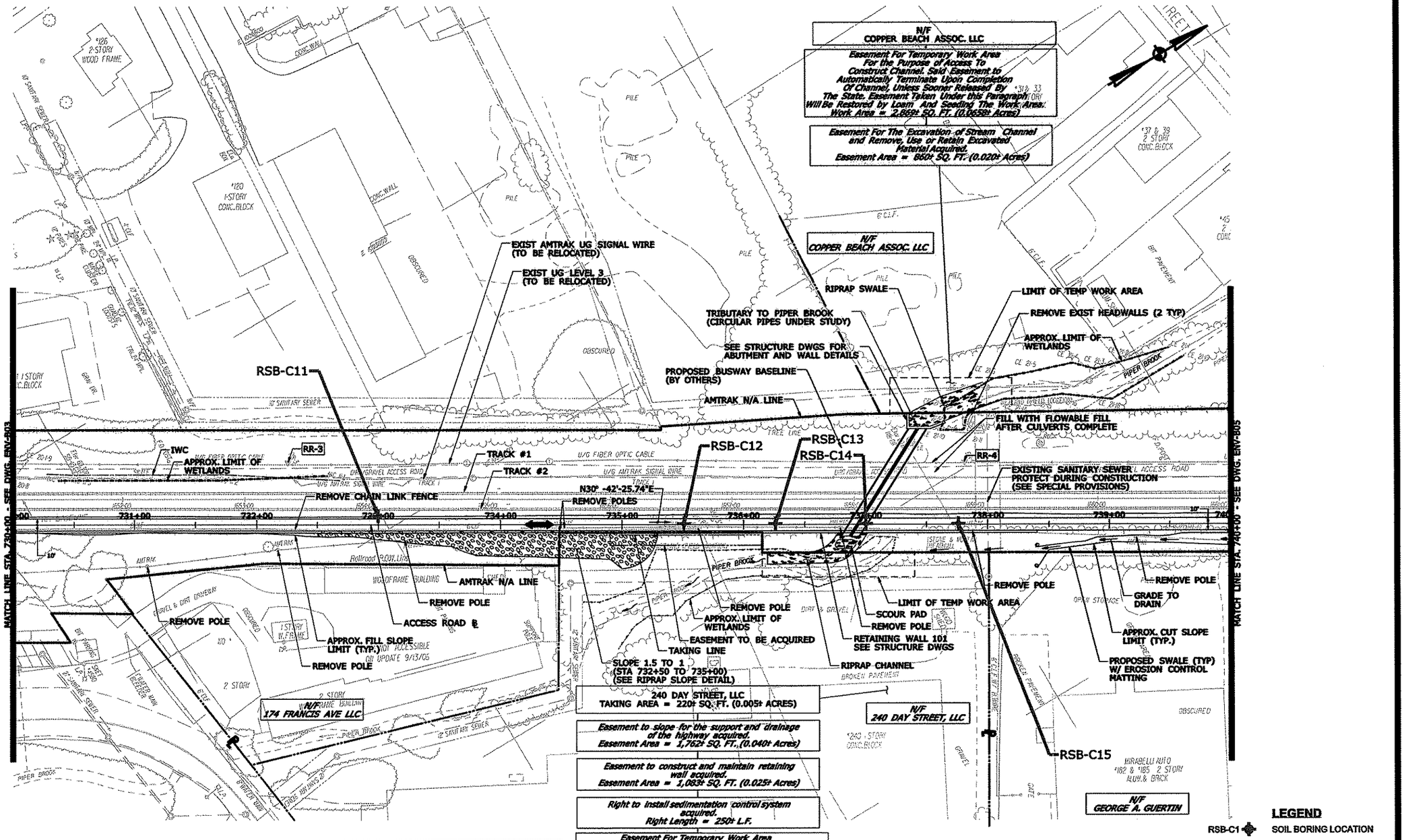
TOWN: NEWINGTON, WEST HARTFORD & HARTFORD

DRAWING TITLE: SOIL BORING LOCATION PLAN

PROJECT NO. 093-H052

DRAWING NO. ENV-B03

SHEET NO.



REV.	DATE	REVISION DESCRIPTION	SHEET NO.
-	-	-	-

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

DESIGNED/DRAFTED BY: JDL
CHECKED BY: DTW
SCALE IN FEET: 0 40 80
SCALE 1"=40'

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

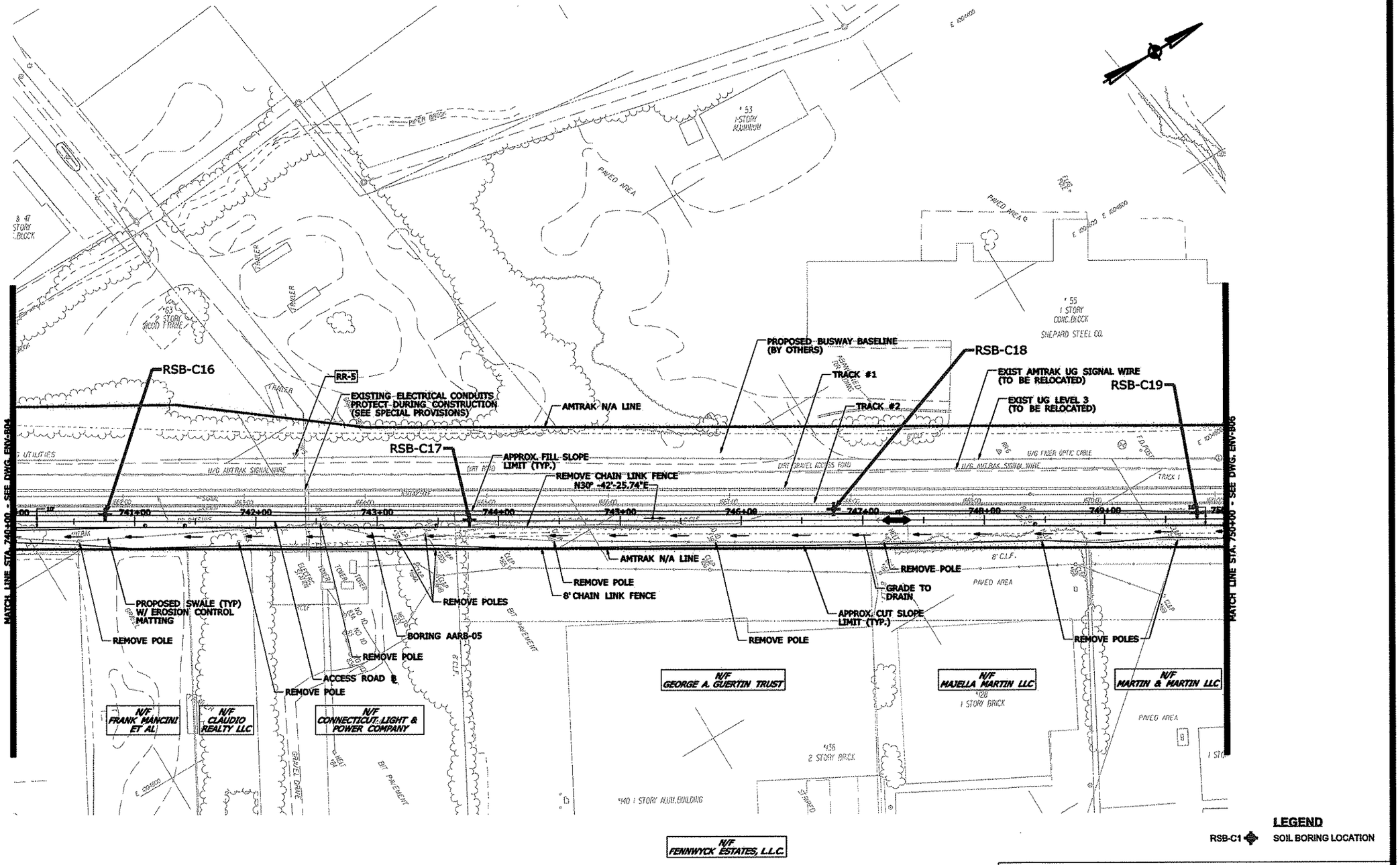
TETRA TECH RIZZO, INC.
APPROVED BY: -
DATE: -

PROJECT TITLE:
NEW BRITAIN - HARTFORD BUSWAY
AMTRAK ACCESS ROAD

TOWN:
NEWINGTON, WEST HARTFORD & HARTFORD

DRAWING TITLE:
SOIL BORING LOCATION PLAN

PROJECT NO. 093-H052
DRAWING NO. ENV-B04
SHEET NO.



SEMI FINAL DESIGN REVIEW

NEW	DATE	REVISION DESCRIPTION	SHEET NO
-	-	-	-

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

DESIGNED/DRAWN BY: JDL
CHECKED BY: DTW
SCALE IN FEET 0 40 80
SCALE 1"=40'

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

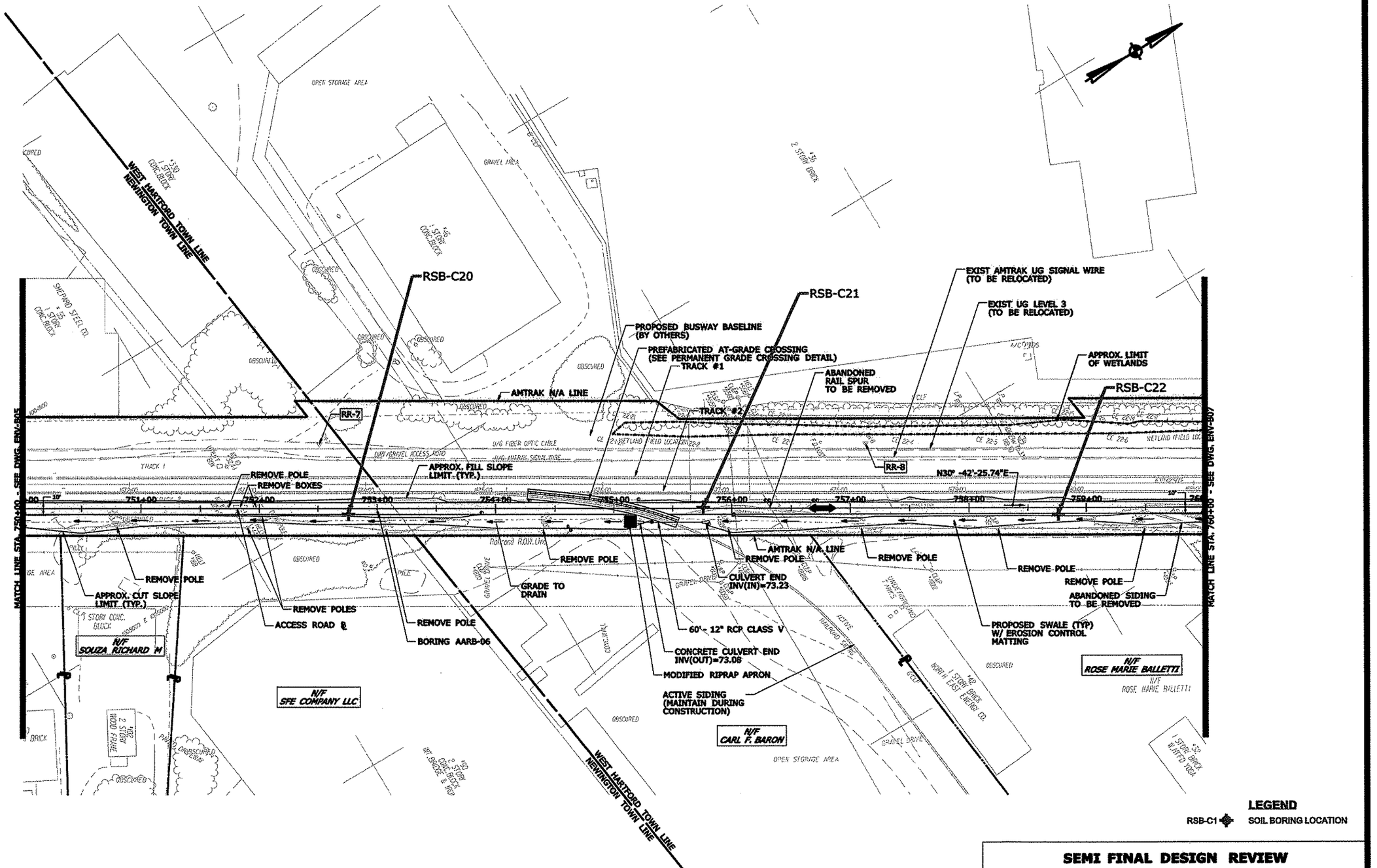
TETRA TECH RIZZO, INC.
APPROVED BY: - DATE: -

PROJECT TITLE:
NEW BRITAIN - HARTFORD BUSWAY
AMTRAK ACCESS ROAD

TOWN:
NEWINGTON, WEST HARTFORD & HARTFORD

DRAWING TITLE:
SOIL BORING LOCATION PLAN

PROJECT NO. 093-H052
DRAWING NO. ENV-805
SHEET NO.



SEMI FINAL DESIGN REVIEW

REV.	DATE	REVISION DESCRIPTION	SHEET NO.
-	-	-	-

THE INFORMATION INCLUDING ESTIMATED QUANTITIES OF WORK SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

DESIGNED/DRAWN BY: JDL
CHECKED BY: DTW
SCALE IN FEET 0 40 80
SCALE 1"=40'

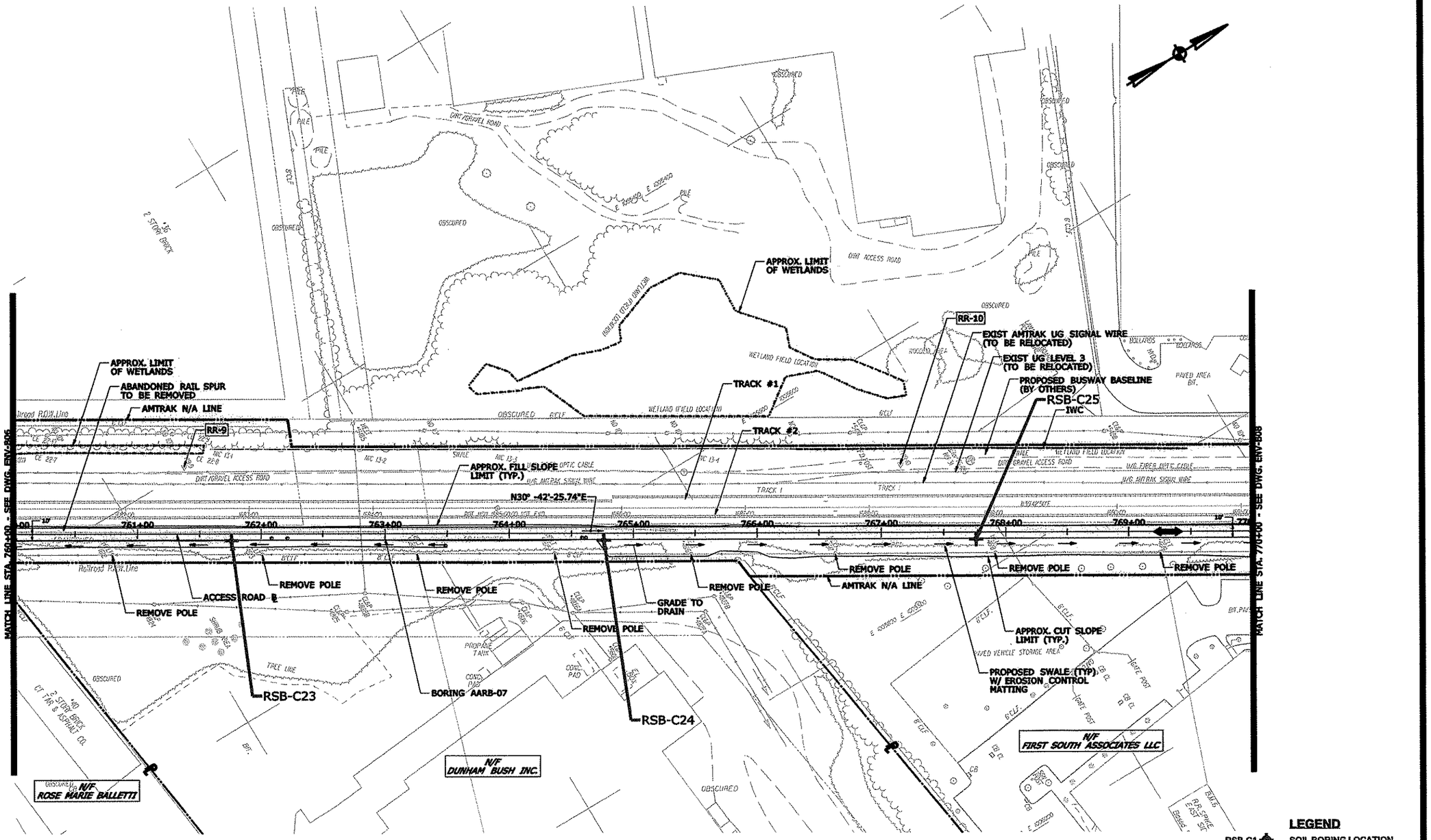
STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

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

PROJECT TITLE:
NEW BRITAIN - HARTFORD BUSWAY
AMTRAK ACCESS ROAD

TOWN: NEWINGTON, WEST HARTFORD & HARTFORD
DRAWING TITLE: SOIL BORING LOCATION PLAN

PROJECT NO. 093-H052
DRAWING NO. ENV-B06
SHEET NO.



SEMI FINAL DESIGN REVIEW

REV.	DATE	REVISION DESCRIPTION	SHEET NO.
-	-	-	-

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

DESIGNED/DRAWN BY: JDL
CHECKED BY: DTW
SCALE IN FEET 0 40 80
SCALE 1"=40'

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

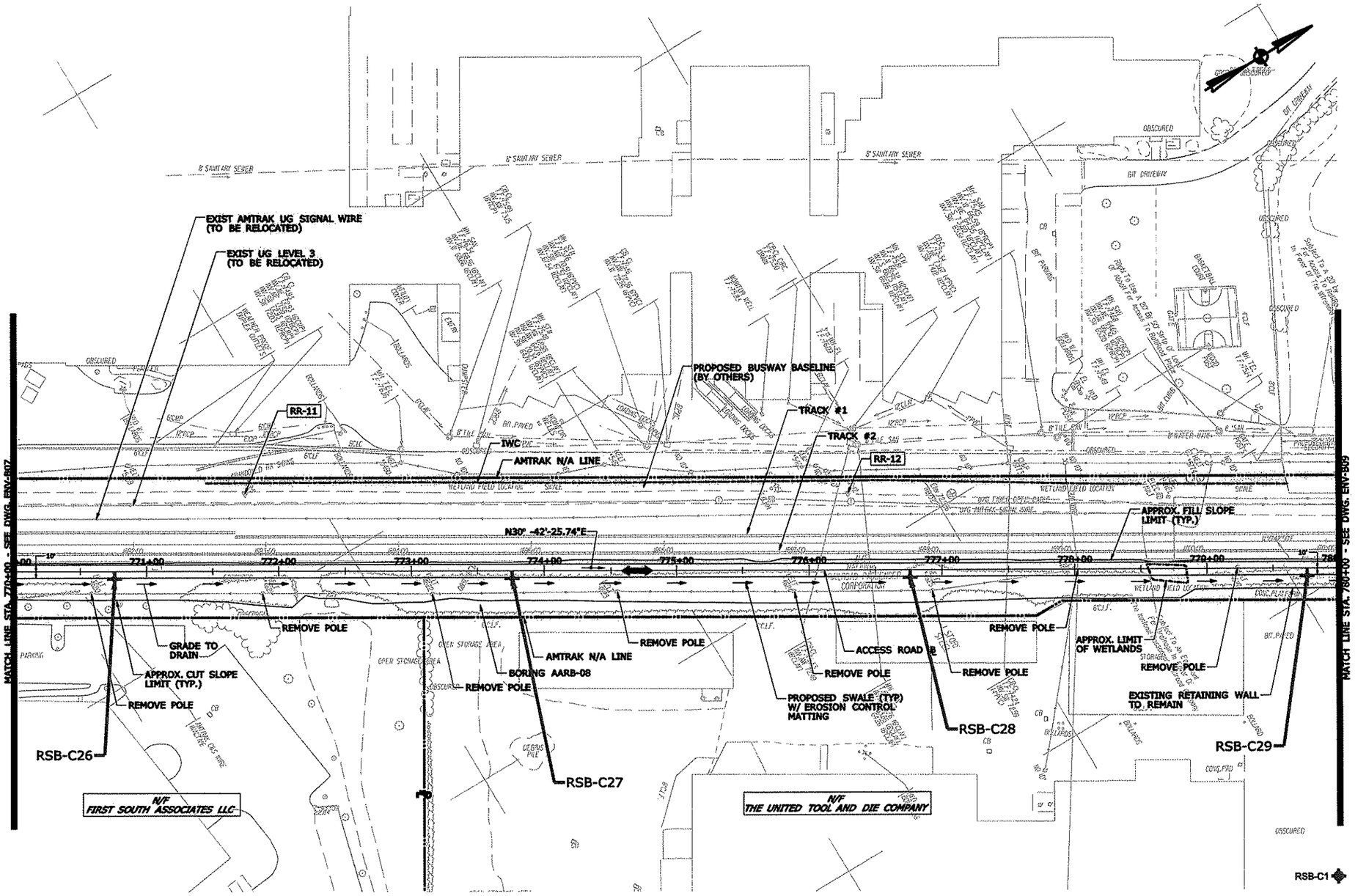
TETRA TECH RIZZO, INC.
APPROVED BY: -
DATE: -

PROJECT TITLE:
NEW BRITAIN - HARTFORD BUSWAY
AMTRAK ACCESS ROAD

TOWN:
NEWINGTON, WEST HARTFORD & HARTFORD

DRAWING TITLE:
SOIL BORING LOCATION PLAN

PROJECT NO.: 093-H052
DRAWING NO.: ENV-B07
SHEET NO.:



SEMI FINAL DESIGN REVIEW

REV.	DATE	REVISION DESCRIPTION	SHEET NO.
-	-	-	-

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

DESIGNED/DRAFTED: JDL
CHECKED BY: DTW
SCALE IN FEET 0 40 80
SCALE 1"=40'

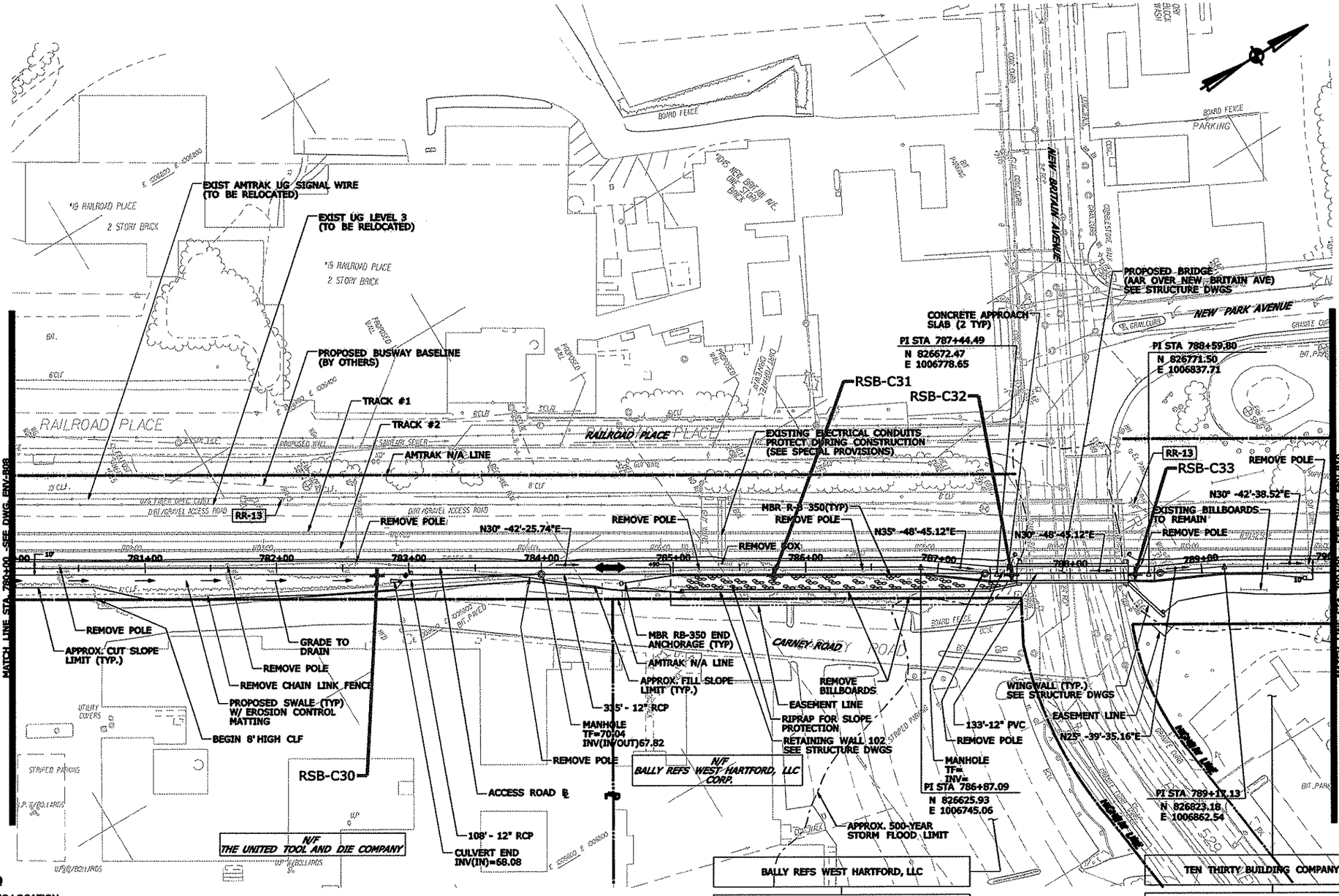
STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

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

PROJECT TITLE: NEW BRITAIN - HARTFORD BUSWAY AMTRAK ACCESS ROAD

TOWN: NEWINGTON, WEST HARTFORD & HARTFORD
DRAWING TITLE: SOIL BORING LOCATION PLAN

PROJECT NO.: 093-H052
DRAWING NO.: ENV-B08
SHEET NO.:



SEMI FINAL DESIGN REVIEW

REV.	DATE	REVISION DESCRIPTION	SHEET NO.
-	-	-	-

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

DESIGNED/DRAFTED: JDL
CHECKED BY: DTW
SCALE IN FEET 0 40 80
SCALE 1"=40'

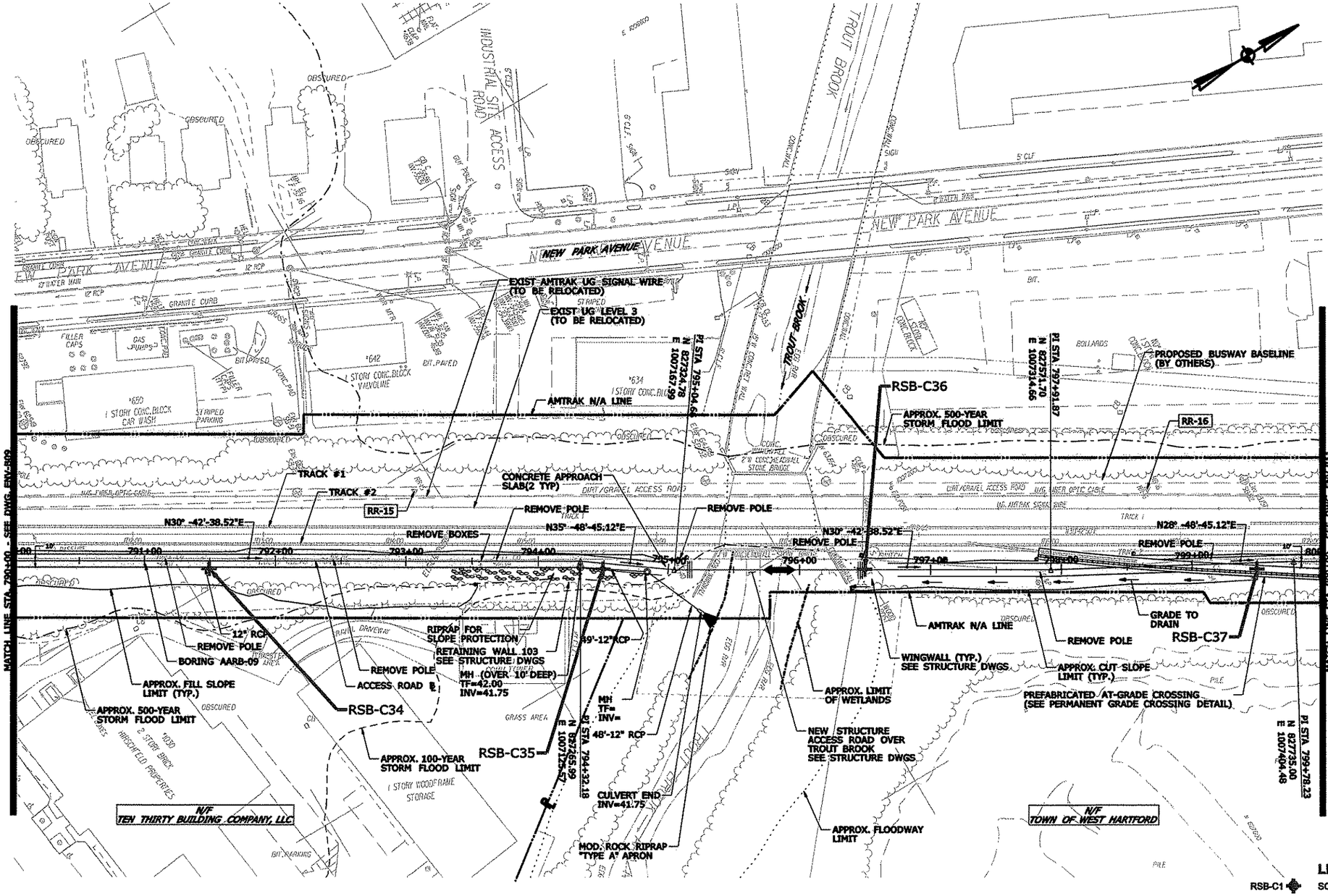
STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

TETRA TECH RIZZO, INC.

PROJECT TITLE:
NEW BRITAIN - HARTFORD BUSWAY
AMTRAK ACCESS ROAD

TOWN: NEWINGTON, WEST HARTFORD & HARTFORD
DRAWING TITLE: SOIL BORING LOCATION PLAN

PROJECT NO. 093-H052
DRAWING NO. ENV-B09
SHEET NO.



SEMI FINAL DESIGN REVIEW

REV.	DATE	REVISION DESCRIPTION	SHEET NO.	DRAWING NO.
-	-	-	-	-

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

DESIGNED/DRAWN BY: JDL
CHECKED BY: DTW
SCALE IN FEET 0 40 80
SCALE 1"=40'

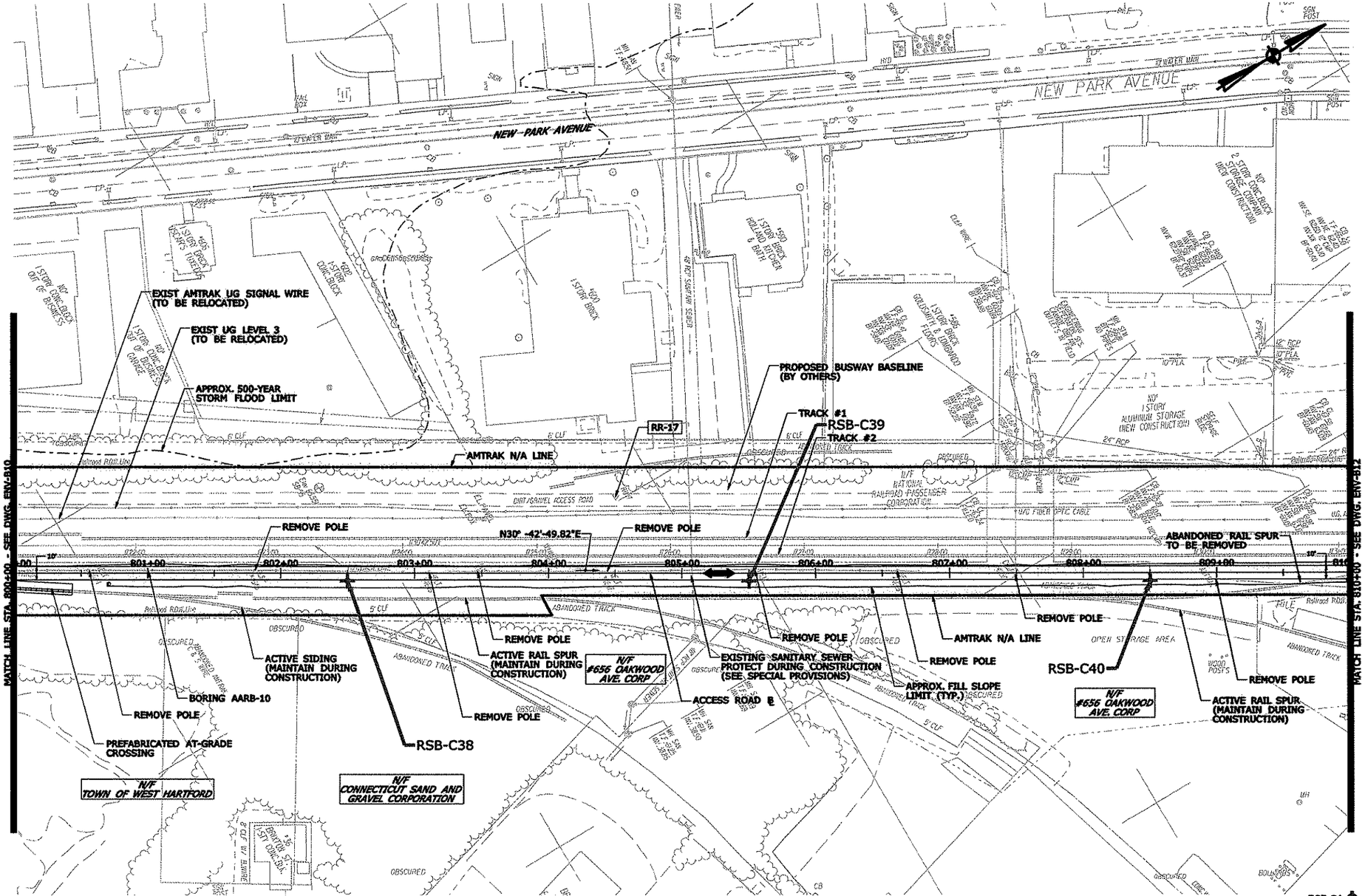
STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

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

PROJECT TITLE:
NEW BRITAIN - HARTFORD BUSWAY
AMTRAK ACCESS ROAD

TOWN: NEWINGTON, WEST HARTFORD & HARTFORD
DRAWING TITLE: SOIL BORING LOCATION PLAN

PROJECT NO. 093-H052
DRAWING NO. ENV-B10
SHEET NO.



SEMI FINAL DESIGN REVIEW

REV.	DATE	REVISION DESCRIPTION	SHEET NO.
-	-	-	-

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

DESIGNED/DRAWN BY: JDL
CHECKED BY: DTW
SCALE IN FEET: 0 40 80
SCALE 1"=40'

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

TETRA TECH RIZZO, INC.

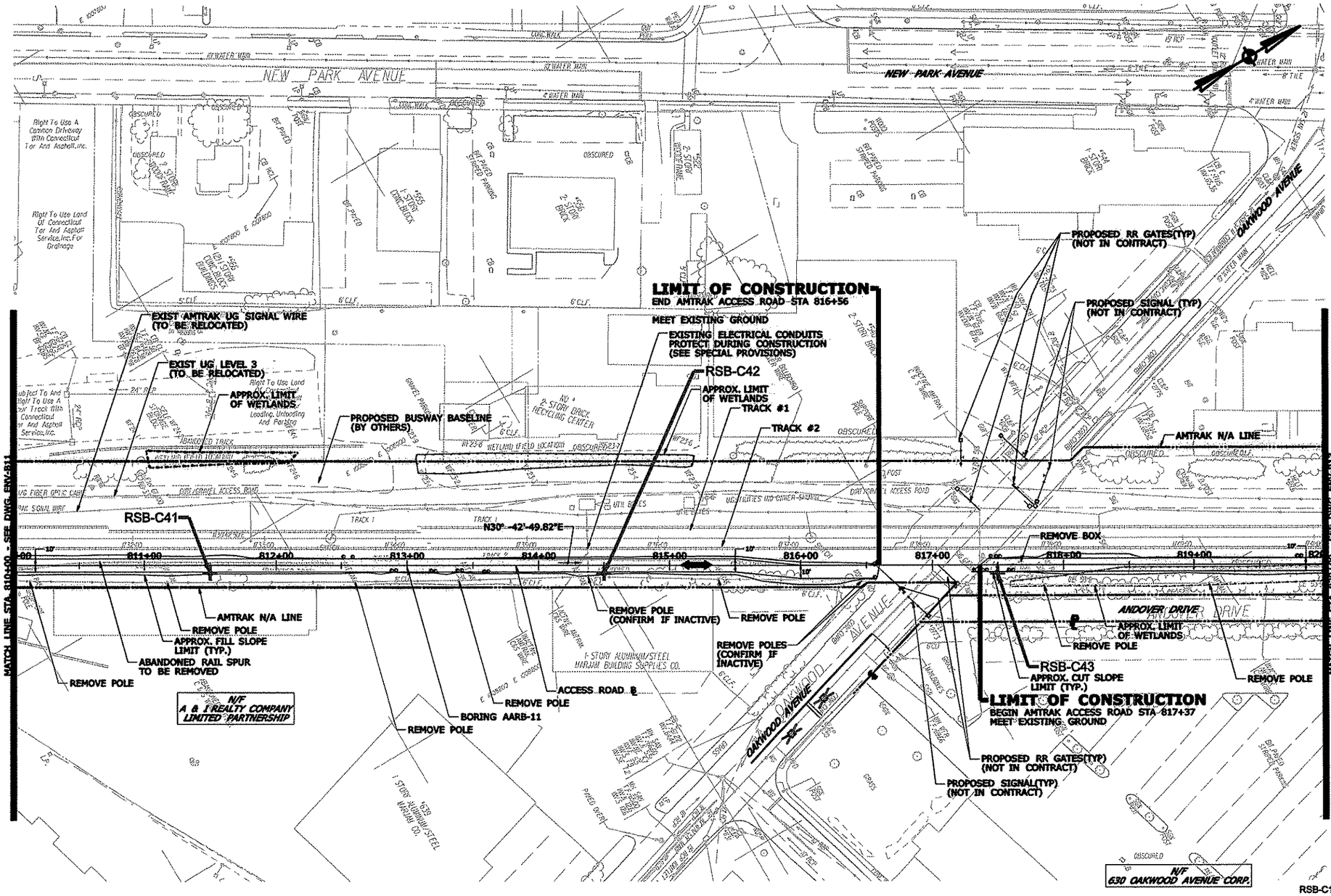
APPROVED BY: -
DATE: -

PROJECT TITLE:
NEW BRITAIN - HARTFORD BUSWAY
AMTRAK ACCESS ROAD

TOWN:
NEWINGTON, WEST HARTFORD & HARTFORD

DRAWING TITLE:
SOIL BORING LOCATION PLAN

PROJECT NO. 093-H052
DRAWING NO. ENV-B11
SHEET NO.



SEMI FINAL DESIGN REVIEW

REV.	DATE	REVISION DESCRIPTION	SHEET NO.
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS. BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

DESIGNED/DRAWN BY: JDL
CHECKED BY: DTW
SCALE IN FEET
0 40 80
SCALE 1"=40'

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

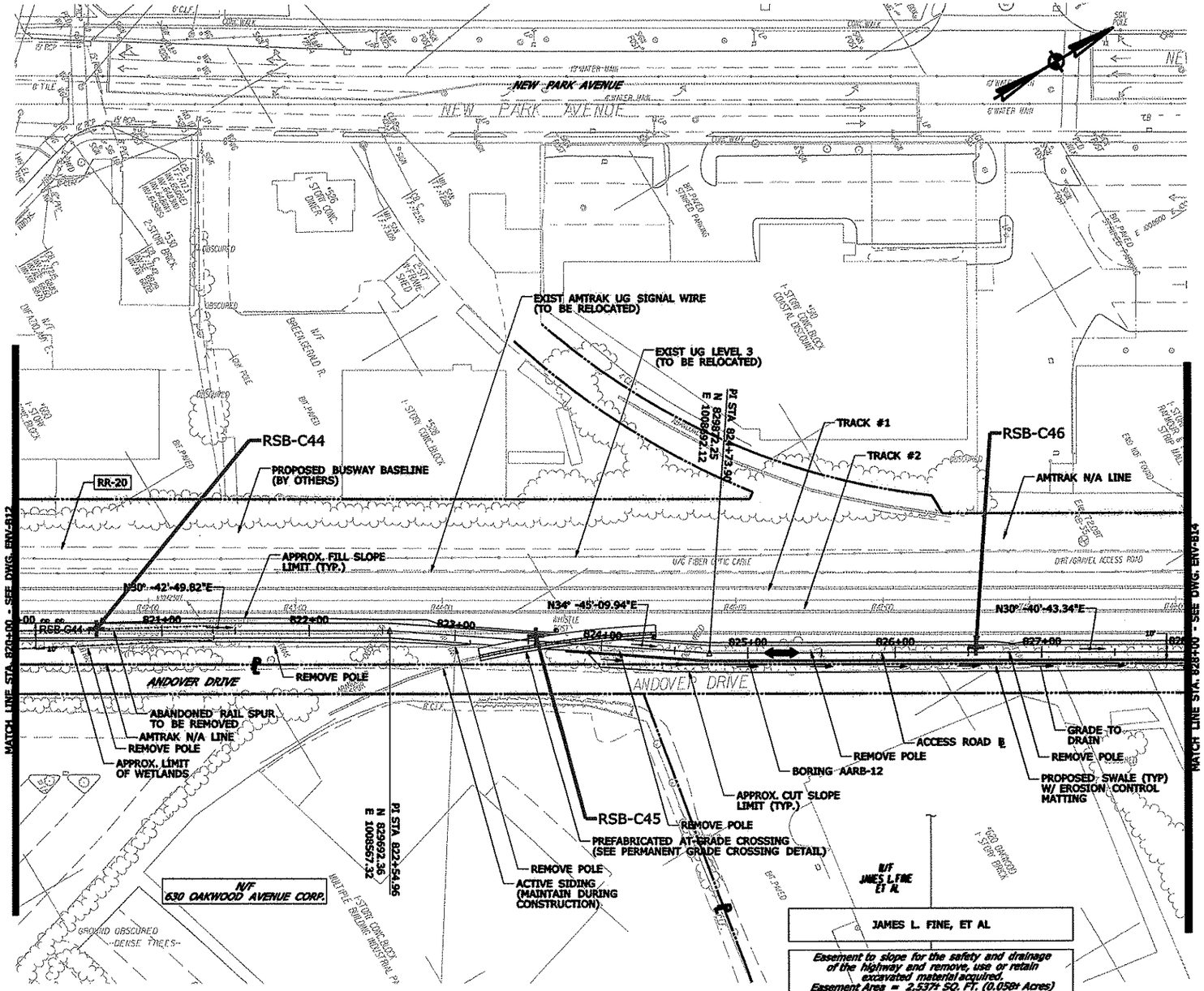
TETRA TECH RIZZO, INC.
APPROVED BY: -
DATE: -

PROJECT TITLE:
NEW BRITAIN - HARTFORD BUSWAY
AMTRAK ACCESS ROAD

TOWN:
NEWINGTON, WEST HARTFORD & HARTFORD

DRAWING TITLE:
SOIL BORING LOCATION PLAN

PROJECT NO.: 093-H052
DRAWING NO.: ENV-B12
SHEET NO.:



SEMI FINAL DESIGN REVIEW

REV.	DATE	REVISION DESCRIPTION	SHEET NO.
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

DESIGNED BY: JDL
CHECKED BY: DTW
SCALE IN FEET 0 40 80
SCALE 1"=40'

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

TETRA TECH RIZZO, INC.

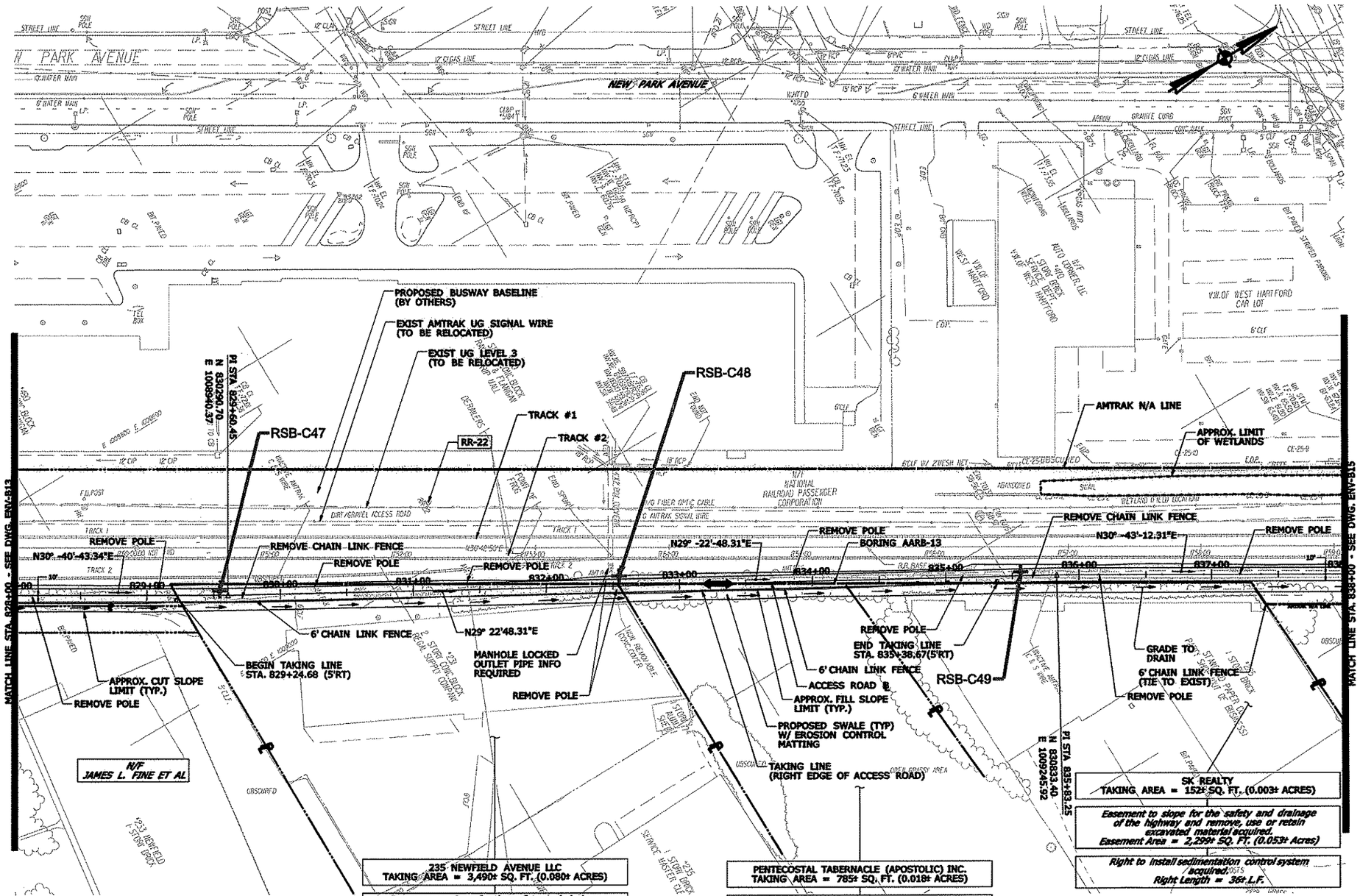
APPROVED BY: - DATE: -

PROJECT TITLE: NEW BRITAIN - HARTFORD BUSWAY AMTRAK ACCESS ROAD

TOWN: NEWINGTON, WEST HARTFORD & HARTFORD

DRAWING TITLE: SOIL BORING LOCATION PLAN

PROJECT NO. 093-H052
DRAWING NO. ENV-B13
SHEET NO.



SEMI FINAL DESIGN REVIEW

REV.	DATE	REVISION DESCRIPTION	SHEET NO.
-	-	-	-

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

Printed: 4/24/2020

DESIGNED/DRAFTED: JDL
CHECKED BY: DTW
SCALE IN FEET: 0 40 80
SCALE 1"=40'

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: J:\Civil\2127\2127-0801\Drawings\ENV\ENV-814.dgn

TETRA TECH RIZZO, INC.

APPROVED BY: - DATE: -

PROJECT TITLE:
NEW BRITAIN - HARTFORD BUSWAY
AMTRAK ACCESS ROAD

TOWN:
NEWINGTON, WEST HARTFORD & HARTFORD

DRAWING TITLE:
SOIL BORING LOCATION PLAN

PROJECT NO. 093-H052
DRAWING NO. ENV-B14
SHEET NO.

LEGEND

RSB-C1 ◆ SOIL BORING LOCATION

NEW PARK AVENUE

FLATBUSH AVENUE

RECONSTRUCTION OF FLATBUSH AND NEW PARK (FOR INFORMATION ONLY)

RR-23

EXISTING WATER MAINS PROTECT DURING CONSTRUCTION (SEE SPECIAL PROVISIONS)

WEST HARTFORD TOWN LINE
HARTFORD TOWN LINE

APPROX. LIMIT OF WETLANDS

NEW STRUCTURE FLATBUSH AVENUE OVER BUSWAY AND AMTRAK ACCESS ROAD (FOR INFORMATION ONLY)

EXISTING GAS MAIN PROTECT DURING CONSTRUCTION (SEE SPECIAL PROVISIONS)

EXIST AMTRAK UG SIGNAL WIRE (TO BE RELOCATED)

EXIST UG LEVEL 3 (TO BE RELOCATED)

PROPOSED BUSWAY BASELINE (BY OTHERS)

RSB-C53

TRACK #1

TRACK #2

RR-24

AMTRAK N/A LINE

RSB-C51

N30°-43'-12.31"E

APPROX. FILL SLOPE LIMIT (TYP.)

REMOVE CHAIN LINK FENCE

REMOVE POLE

REMOVE POLE

REMOVE BOX

REMOVE CHAIN LINK FENCE

AMTRAK N/A LINE
6' CHAIN LINK FENCE TYPE C-U CB

WEST HARTFORD TOWN LINE
HARTFORD TOWN LINE

RSB-C50

TEMP CONNECTION (IF NEEDED) (CONTINUE DITCH AFTER FLATBUSH CONSTRUCTION)

CONNECT TO EXISTING SYSTEM

N/F ERIC ROBINSON ET AL

NEWFIELD AVENUE

ACCESS ROAD

APPROX. CUT SLOPE LIMIT (TYP.)

REMOVE POLE

GRADE TO DRAIN

ABANDONED RAIL SPUR TO BE REMOVED

REMOVE POLE

PROPOSED SWALE (TYP) W/ EROSION CONTROL MATTING

N/F HARSCO CORPORATION

RECONSTRUCTION OF FLATBUSH AND NEWFIELD (FOR INFORMATION ONLY)

REMOVE POLE

RSB-C52

REMOVE BOX

REMOVE POLE

REMOVE POLES

BEGIN 6' CHAIN LINK FENCE WITH BARBED WIRE. (CONNECT TO EXIST)

N/F DANNY CORP.

MATCH LINE STA. 838+00 - SEE DWG. ENV-B14

MATCH LINE STA. 848+00 - SEE DWG. ENV-B16

DANNY CORP.

Easement to slope for the safety and drainage of the highway and remove, use or retain excavated material acquired.
Easement Area = 2,412± SQ. Ft. (0.055± Acres)

Right to Install sedimentation control system acquired.
Right Length = 16± L.F.

Right to Remove Existing Fencing
Right Length =300± L.F.

HARSCO CORPORATION

Easement to slope for the safety and drainage of the highway and remove, use or retain excavated material acquired.
Easement Area = 4,963± SQ. Ft. (0.114± Acres)

Right to Install sedimentation control system acquired.
Right Length = 55± L.F.

SEMI FINAL DESIGN REVIEW

REV.	DATE	REVISION DESCRIPTION	SHEET NO.
-	-	-	-

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

PRINTED: 5/24/16

DESIGNED/DRAFTED: JDL
CHECKED BY: DTW
SCALE IN FEET: 0 40 80
SCALE 1"=40'

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

TETRA TECH RIZZO, INC.

APPROVED BY: -
DATE: -

PROJECT TITLE:
NEW BRITAIN - HARTFORD BUSWAY
AMTRAK ACCESS ROAD

TOWN:
NEWINGTON, WEST HARTFORD & HARTFORD

DRAWING TITLE:
SOIL BORING LOCATION PLAN

PROJECT NO.: 093-H052
DRAWING NO.: ENV-B15
SHEET NO.:

SEMI FINAL DESIGN REVIEW

REV.	DATE	REVISION DESCRIPTION	SHEET NO.
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

Plotted: $DATE$

DESIGNER/DRAFTER: JDL
CHECKED BY: DTW
SCALE IN FEET 0 40 80
SCALE 1"=40'

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: J:\Project\127-17797-08011\Plot\210\NW_MSH_093_H052_ENV-B16.dgn

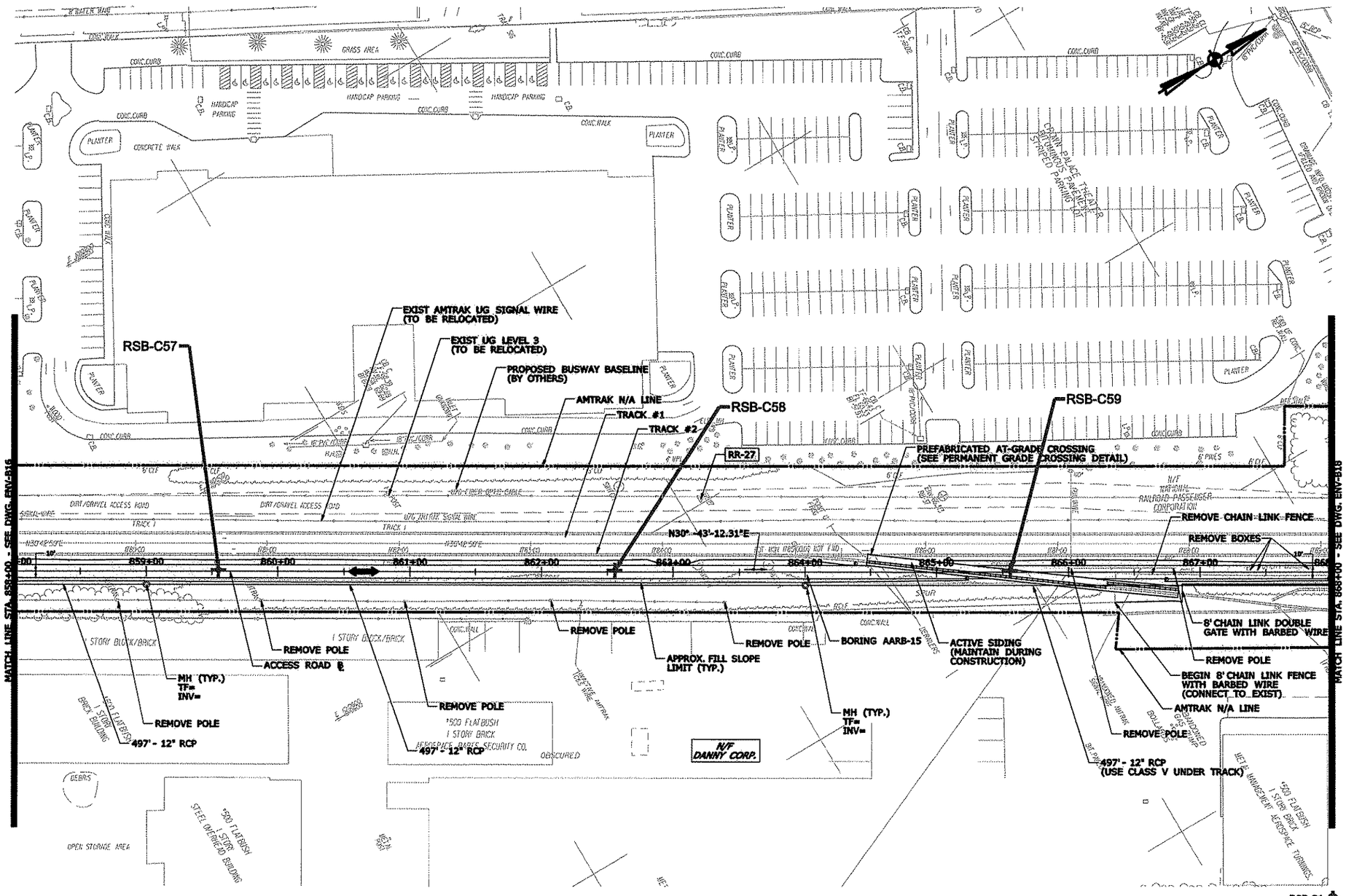
TETRA TECH RIZZO, INC.
APPROVED BY: - DATE: -

PROJECT TITLE: NEW BRITAIN - HARTFORD BUSWAY AMTRAK ACCESS ROAD

TOWN: NEWINGTON, WEST HARTFORD & HARTFORD

DRAWING TITLE: SOIL BORING LOCATION PLAN

PROJECT NO. 093-H052
DRAWING NO. ENV-B16
SHEET NO.



SEMI FINAL DESIGN REVIEW

REV.	DATE	REVISION DESCRIPTION	SHEET NO.
-	-	-	-

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

DESIGNED/DRAWN: JDL
CHECKED BY: DTW
SCALE IN FEET 0 40 80
SCALE 1"=40'

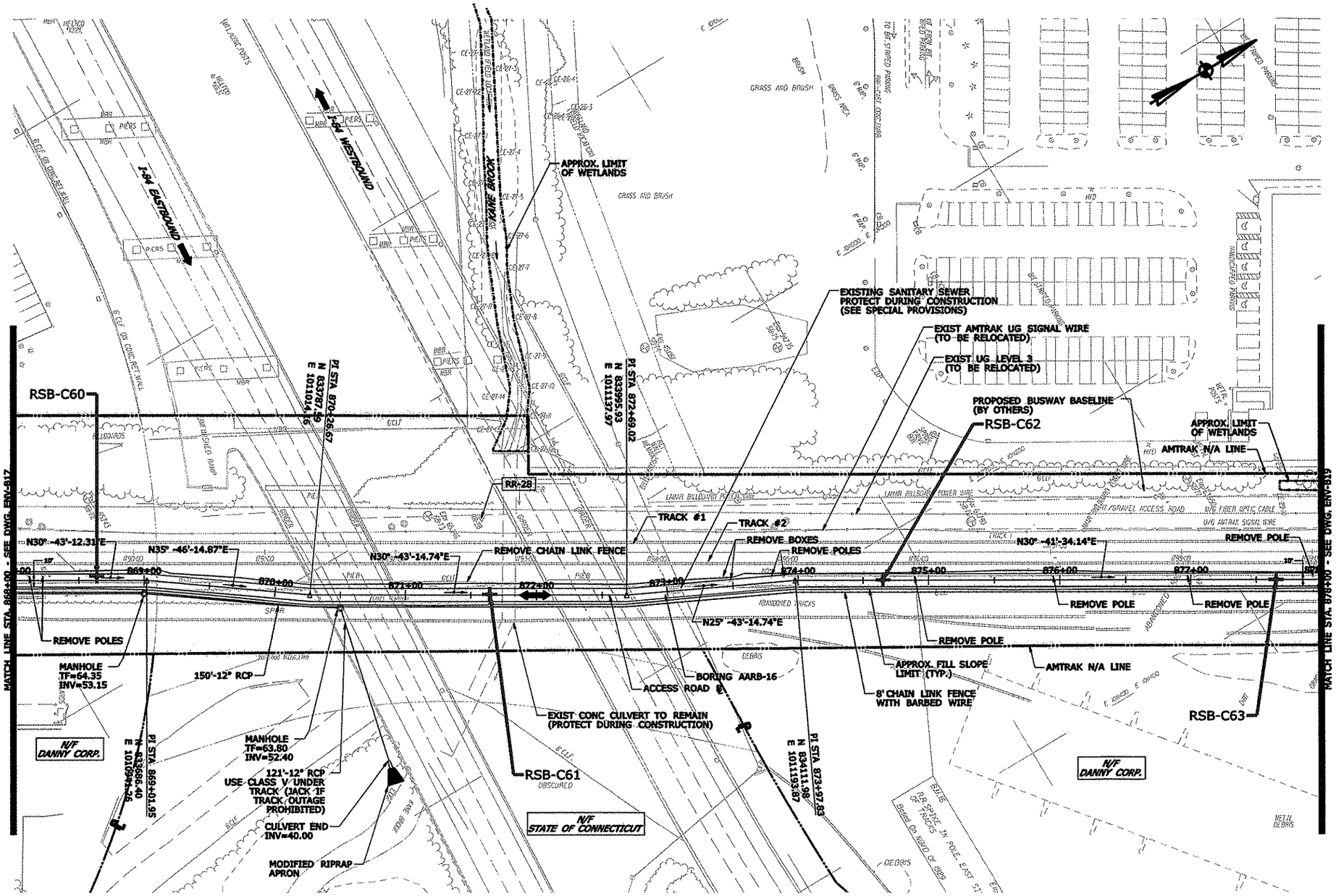
STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

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

PROJECT TITLE:
NEW BRITAIN - HARTFORD BUSWAY
AMTRAK ACCESS ROAD

TOWN: NEWINGTON, WEST HARTFORD & HARTFORD
DRAWING TITLE: SOIL BORING LOCATION PLAN

PROJECT NO. 093-H052
DRAWING NO. ENV-B17
SHEET NO.



LEGEND

RSB-C1 ◆ SOIL BORING LOCATION

SEMI FINAL DESIGN REVIEW

REV.	DATE	REVISION DESCRIPTION	SHEET NO.
-	-	-	-

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

DESIGNED/DRAWN BY: JDL
CHECKED BY: DTW
SCALE IN FEET
0 40 80
SCALE 1"=40'

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

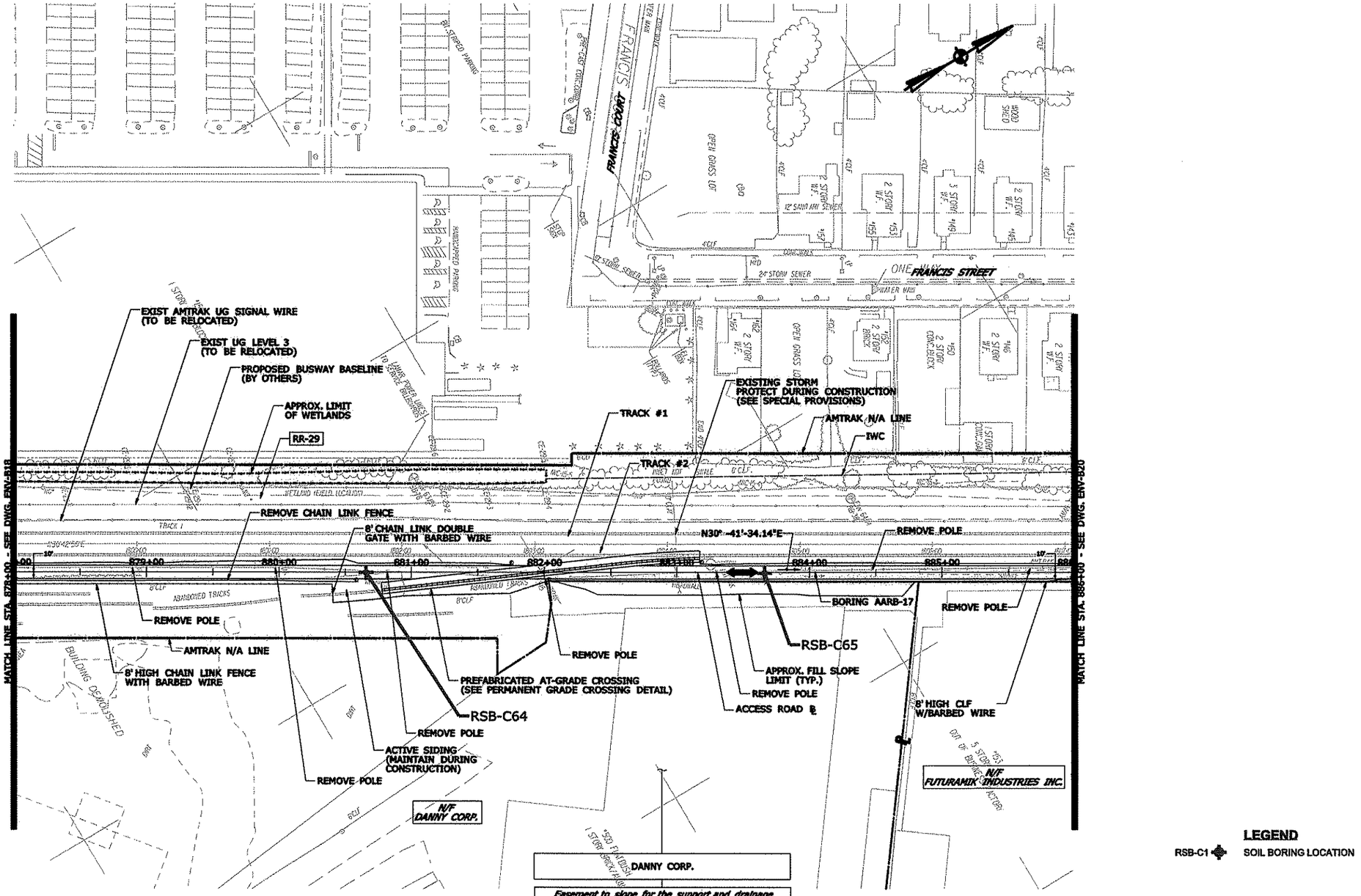
TETRA TECH RIZZO, INC.
APPROVED BY: - DATE: -

PROJECT TITLE: NEW BRITAIN - HARTFORD BUSWAY AMTRAK ACCESS ROAD

TOWN: NEWINGTON, WEST HARTFORD & HARTFORD

DRAWING TITLE: SOIL BORING LOCATION PLAN

PROJECT NO. 093-H052
DRAWING NO. ENV-B18
SHEET NO.



SEMI FINAL DESIGN REVIEW

REV.	DATE	REVISION DESCRIPTION	SHEET NO.
-	-	-	-

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

DESIGNED/DRAWN BY: JDL
CHECKED BY: DTW
SCALE IN FEET: 0 40 80
SCALE 1"=40'

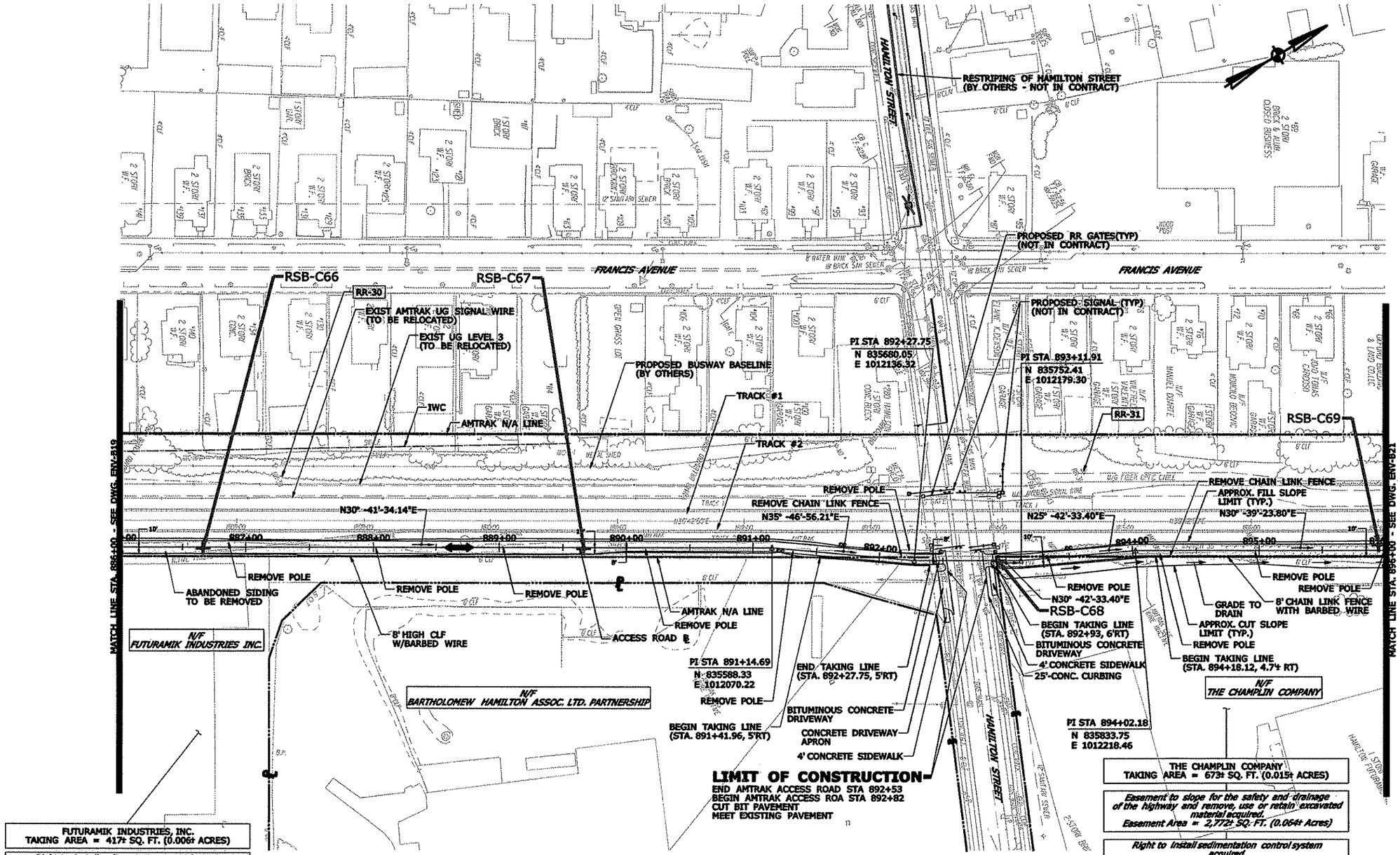
STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

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

PROJECT TITLE: NEW BRITAIN - HARTFORD BUSWAY AMTRAK ACCESS ROAD

TOWN: NEWINGTON, WEST HARTFORD & HARTFORD
DRAWING TITLE: SOIL BORING LOCATION PLAN

PROJECT NO. 093-H052
DRAWING NO. ENV-B19
SHEET NO.



SEMI FINAL DESIGN REVIEW

REV.	DATE	REVISION DESCRIPTION	SHEET NO.
-	-	-	-

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

PLOTTED: 5/24/16

DESIGNED/DRAWN BY: JDL
CHECKED BY: DTW
SCALE IN FEET
0 40 80
SCALE 1"=40'

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

TETRA TECH RIZZO, INC.

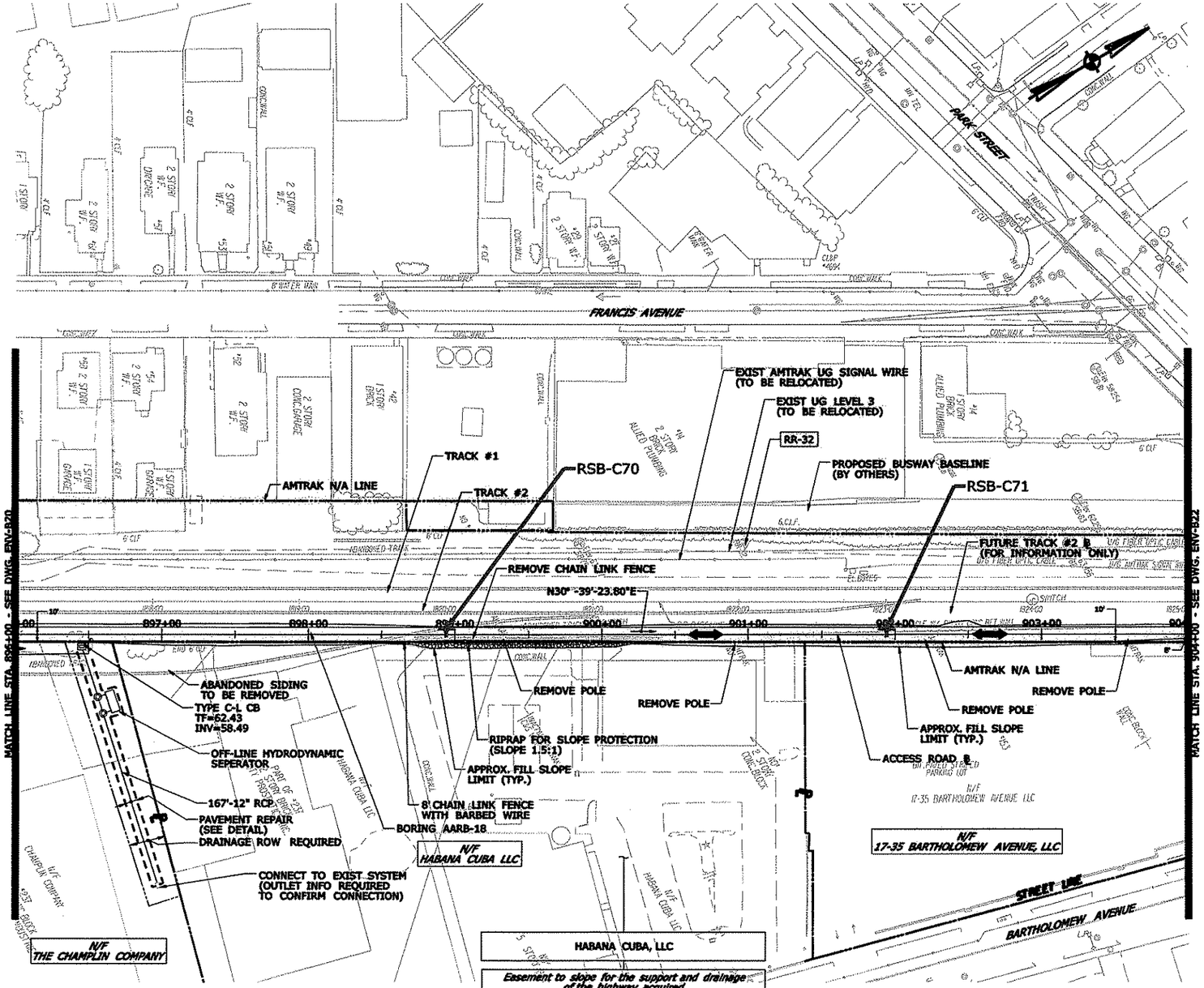
APPROVED BY: -
DATE: -

PROJECT TITLE:
NEW BRITAIN - HARTFORD BUSWAY
AMTRAK ACCESS ROAD

TOWN:
NEWINGTON, WEST HARTFORD & HARTFORD

DRAWING TITLE:
SOIL BORING LOCATION PLAN

PROJECT NO.: 093-H052
DRAWING NO.: ENV-B20
SHEET NO.:



LEGEND

RSB-C1 ◆ SOIL BORING LOCATION

SEMI FINAL DESIGN REVIEW

REV.	DATE	REVISION DESCRIPTION	SHEET NO.
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

Plotted: $DATE$

DESIGNER/DRAFTER: JDL
CHECKED BY: DTW
SCALE IN FEET 0 40 80
SCALE 1"=40'

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: J:\Projects\122-1797-00011\PGS\210\HW_HSH_093_H052_ENV-B21.dgn

TETRA TECH RIZZO, INC.

APPROVED BY: - DATE: -

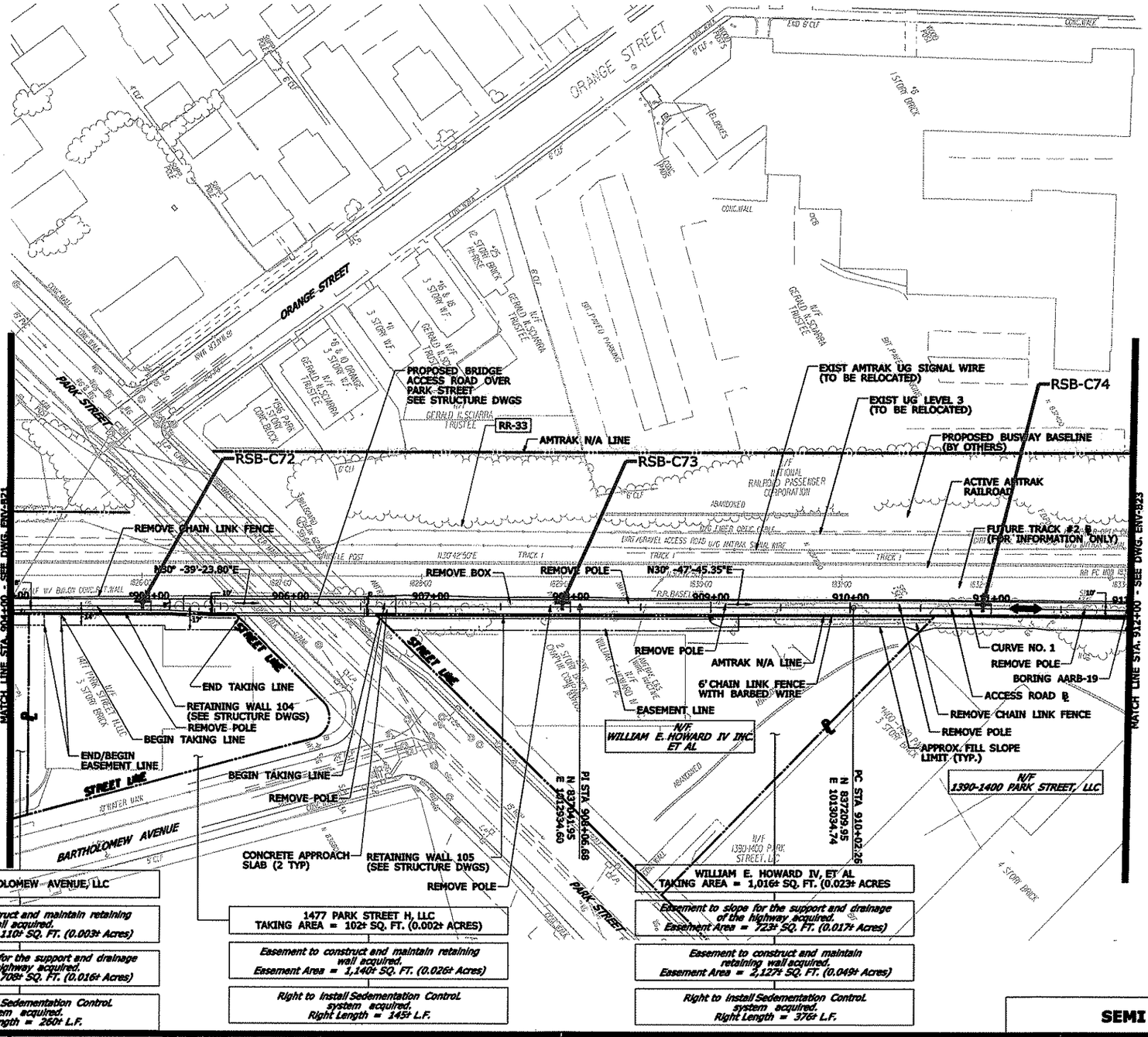
PROJECT TITLE: NEW BRITAIN - HARTFORD BUSWAY AMTRAK ACCESS ROAD

TOWN: NEWINGTON, WEST HARTFORD & HARTFORD

DRAWING TITLE: SOIL BORING LOCATION PLAN

PROJECT NO. 093-H052
DRAWING NO. ENV-B21
SHEET NO.

CURVE NO. 1	
ACCESS ROAD ℄	
P.C.	STA. 910+02.26
	N 837209.95
	E 1013034.74
P.C.C.	STA. 914+20.93
	N 837565.78
	E 1013295.32
Δ	1°-39'-56.52"
T	209.56'
L	418.68'
R	12000.00'



SEMI FINAL DESIGN REVIEW

REV.	DATE	REVISION DESCRIPTION	SHEET NO.
-	-	-	-

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

DESIGNED/DRAWN BY: JDL
CHECKED BY: DTW
SCALE IN FEET
0 40 80
SCALE 1"=40'

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

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

PROJECT TITLE:
NEW BRITAIN - HARTFORD BUSWAY
AMTRAK ACCESS ROAD

TOWN:
NEWINGTON, WEST HARTFORD & HARTFORD

DRAWING TITLE:
SOIL BORING LOCATION PLAN

PROJECT NO. 093-H052
DRAWING NO. ENV-B22
SHEET NO.

CURVE NO. 1	
ACCESS ROAD ℄	
P.C.	STA. 910+02.26
	N 837209.95
	E 1013034.74
P.C.C.	STA. 914+20.93
	N 837565.78
	E 1013255.32
Δ	1°-59'-56.52"
T	209.35'
L	418.68'
R	12000.00'

CURVE NO. 2	
ACCESS ROAD ℄	
P.C.C.	STA. 914+20.93
	N 837565.78
	E 1013255.32
P.T.	STA. 918+80.09
	N 837922.37
	E 1013543.19
Δ	12°-14'-10.11"
T	230.45'
L	459.16'
R	2150.00'

1390-1400 PARK STREET, LLC
TAKING AREA = 567± SQ. FT. (0.013± ACRES)

Easement to slope for the support and drainage of the highway acquired.
Easement Area = 4,126± SQ. FT. (0.095± Acres)

Right to install sedimentation control system acquired.
Right Length = 687± L.F.

LEGEND

RSB-C1 ⌖ SOIL BORING LOCATION

SEMI FINAL DESIGN REVIEW

REV.	DATE	REVISION DESCRIPTION	SHEET NO.
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

Plotted: $DATE$

DESIGNER/DRAFTER: JDL
CHECKED BY: DTW
SCALE IN FEET 0 40 80
SCALE 1"=40'

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: J:\Project\127-17797-08011\Bid\210\HW_MSN_093_H052_ENV-B23.dgn

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

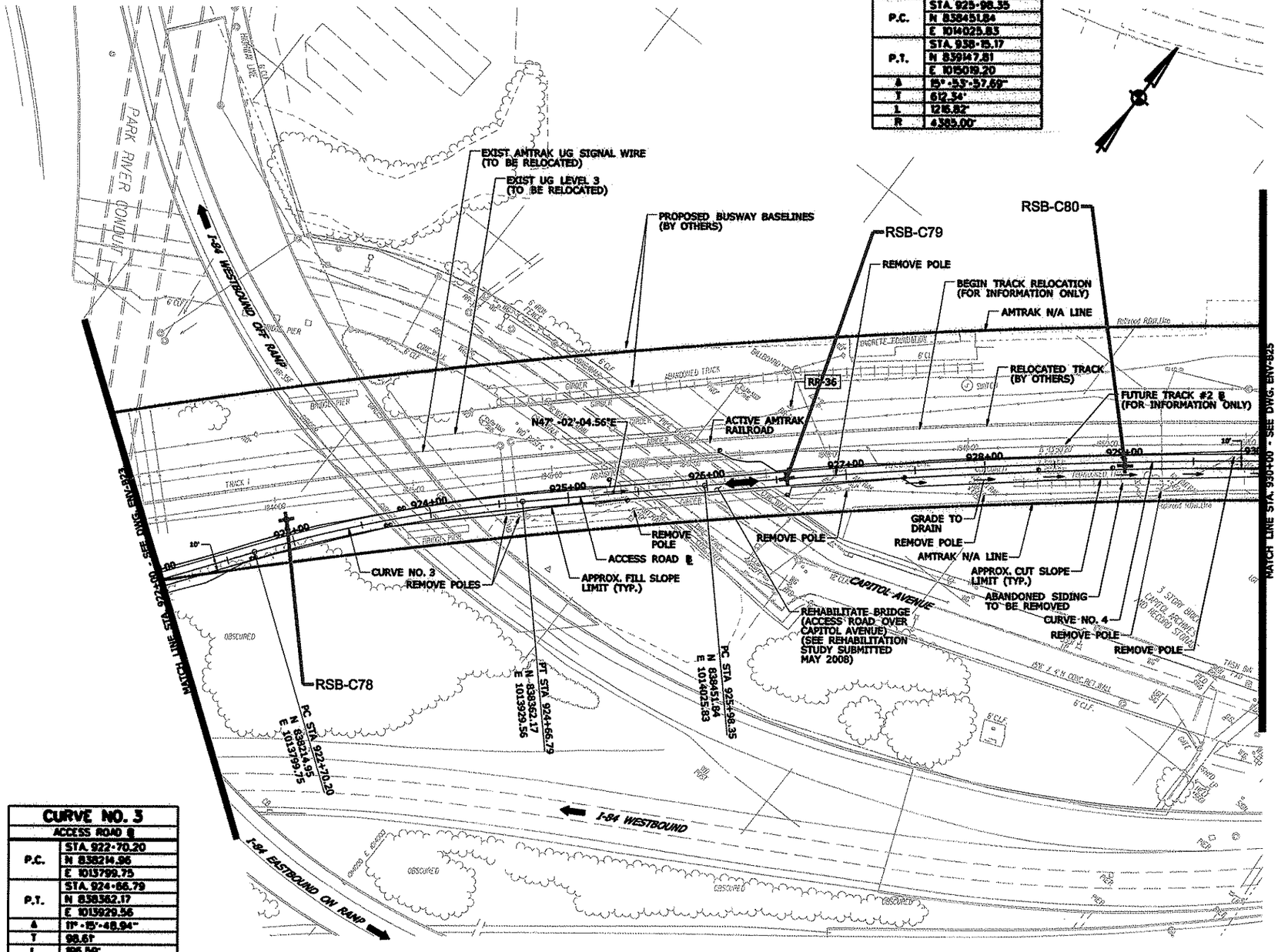
PROJECT TITLE: NEW BRITAIN - HARTFORD BUSWAY AMTRAK ACCESS ROAD

TOWN: NEWINGTON, WEST HARTFORD & HARTFORD

DRAWING TITLE: SOIL BORING LOCATION PLAN

PROJECT NO. 093-H052
DRAWING NO. ENV-B23
SHEET NO.

CURVE NO. 4	
ACCESS ROAD B	
P.C.	STA. 925+98.35
	N 838451.84
	E 1014025.83
P.T.	STA. 938+15.17
	N 839147.81
	E 1015019.20
Δ	15°-33'-57.69"
T	612.34'
L	1216.82'
R	4383.00'



CURVE NO. 3	
ACCESS ROAD B	
P.C.	STA. 922+70.20
	N 838214.96
	E 1013799.75
P.T.	STA. 924+66.79
	N 838362.17
	E 1013929.56
Δ	11°-15'-48.94"
T	98.61'
L	196.59'
R	1000.00'

LEGEND

RSB-C1 ⊕ SOIL BORING LOCATION

SEMI FINAL DESIGN REVIEW

REV.	DATE	REVISION DESCRIPTION	SHEET NO.
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

DESIGNED/DRAWN BY: JDL
CHECKED BY: DTW
SCALE IN FEET: 0 40 80
SCALE 1"=40'

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

TETRA TECH RIZZO, INC.

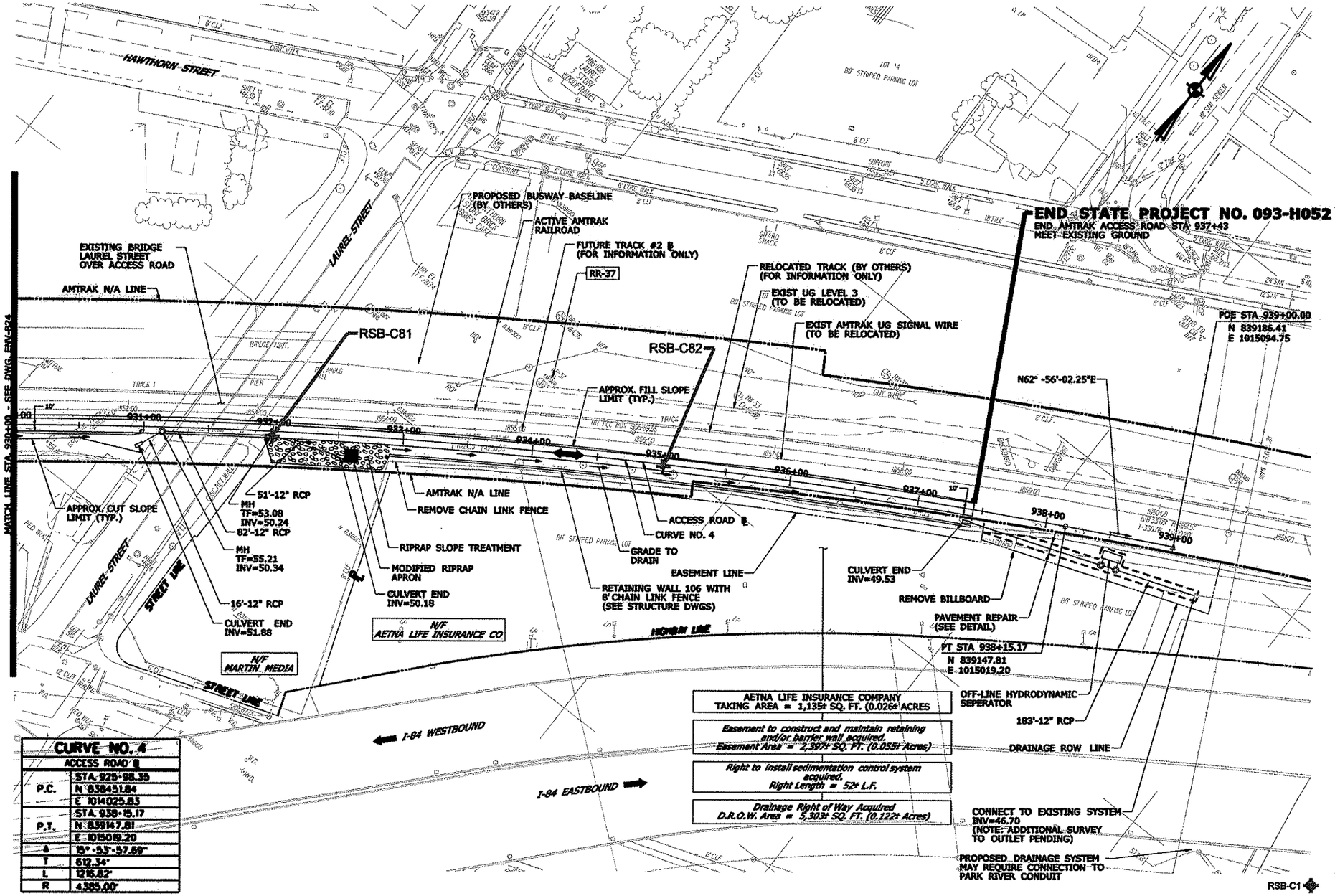
APPROVED BY: - DATE: -

PROJECT TITLE: NEW BRITAIN - HARTFORD BUSWAY AMTRAK ACCESS ROAD

TOWN: NEWINGTON, WEST HARTFORD & HARTFORD

DRAWING TITLE: SOIL BORING LOCATION PLAN

PROJECT NO. 093-H052
DRAWING NO. ENV-B24
SHEET NO.



CURVE NO. 4	
ACCESS ROAD B	
P.C.	STA. 925+98.35
	N 838451.84
	E 1014025.85
P.I.	STA. 938+15.17
	N 839147.81
	E 1015019.20
Δ	15° -5'-57.69"
T	612.34'
L	1216.82'
R	4385.00'

SEMI FINAL DESIGN REVIEW

REV.	DATE	REVISION DESCRIPTION	SHEET NO.	ISSUE DATE
-	-	-	-	-

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

DESIGNED/DRAWN BY: JDL
CHECKED BY: DTW
SCALE IN FEET
0 40 80
SCALE 1"=40'

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

TETRA TECH RIZZO, INC.

APPROVED BY: - DATE: -

PROJECT TITLE: NEW BRITAIN - HARTFORD BUSWAY AMTRAK ACCESS ROAD

TOWN: NEWINGTON, WEST HARTFORD & HARTFORD

DRAWING TITLE: SOIL BORING LOCATION PLAN

PROJECT NO. 093-H052
DRAWING NO. ENV-B25
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-C1

CLIENT Connecticut Department of Transportation
PROJECT NAME Busway New Britain/Hartford
PROJECT NUMBER 127-17797-08011
PROJECT LOCATION Newington, West Hartford, and Hartford, Connecticut
DATE STARTED 1/30/09 **COMPLETED** 1/30/09
GROUND ELEVATION _____ **HOLE SIZE** 4"
DRILLING CONTRACTOR Tetra Tech Rizzo, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Hand Auger
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	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0					
	(0-3)	SOIL SAMPLE: RSB-C1 (1-2.5') 13:30 SUBMITTED		6" Angular, c GRAVEL; 12" Black, f-c SAND and angular, f GRAVEL; 12" Brown SILT; no odor, dry	0.0
2.5				2.5	
				Bottom of hole at 2.5 feet.	

TETRA TECH RIZZO

BORING NUMBER RSB-C2

CLIENT Connecticut Department of Transportation
PROJECT NAME Busway New Britain/Hartford
PROJECT NUMBER 127-17797-08011
PROJECT LOCATION Newington, West Hartford, and Hartford, Connecticut
DATE STARTED 1/30/09 **COMPLETED** 1/30/09
GROUND ELEVATION _____ **HOLE SIZE** 4"
DRILLING CONTRACTOR Tetra Tech Rizzo, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Hand Auger
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	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0	(0-3)	SOIL SAMPLE: RSB-C2 (1-3') 13:00 SUBMITTED		6" Angular, c GRAVEL; 18" Black, f-c SAND and angular f GRAVEL; 12" Brown, f SAND and SILT; no odor, dry	0.0
2.5					
				3.0	
				Bottom of hole at 3.0 feet.	

GENERAL BH / TP / WELL 127-17797-08011.GPJ GINT US.GDT 3/6/09

TETRA TECH RIZZO

BORING NUMBER RSB-C3

CLIENT Connecticut Department of Transportation
PROJECT NAME Busway New Britain/Hartford
PROJECT NUMBER 127-17797-08011
PROJECT LOCATION Newington, West Hartford, and Hartford, Connecticut
DATE STARTED 1/30/09 **COMPLETED** 1/30/09
GROUND ELEVATION _____ **HOLE SIZE** 4"
DRILLING CONTRACTOR Tetra Tech Rizzo, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Hand Auger
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	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0					
	(0-3)	SOIL SAMPLE: RSB-C3 (1-3') 11:30 SUBMITTED		6" Angular, c GRAVEL; 30" Black, f-c SAND and f-m GRAVEL; no odor, dry	0.0
2.5					
				3.0 Bottom of hole at 3.0 feet.	

TETRA TECH RIZZO

BORING NUMBER RSB-C4

CLIENT Connecticut Department of Transportation
PROJECT NAME Busway New Britain/Hartford
PROJECT NUMBER 127-17797-08011
PROJECT LOCATION Newington, West Hartford, and Hartford, Connecticut
DATE STARTED 1/30/09 **COMPLETED** 1/30/09
GROUND ELEVATION _____ **HOLE SIZE** 4"
DRILLING CONTRACTOR Tetra Tech Rizzo, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Hand Auger
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	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				24" Angular, c GRAVEL; 12" Black, f-c SAND and angular, f-m GRAVEL; no odor, dry	
	(0-3)	SOIL SAMPLE: RSB-C4 (2-3') 10:15 SUBMITTED			0.0
2.5					
				3.0	
				Bottom of hole at 3.0 feet.	

GENERAL BH / TP / WELL 127-17797-08011.GPJ GINT US.GDT 3/6/09

TETRA TECH RIZZO

BORING NUMBER RSB-C5

CLIENT Connecticut Department of Transportation
PROJECT NAME Busway New Britain/Hartford
PROJECT NUMBER 127-17797-08011
PROJECT LOCATION Newington, West Hartford, and Hartford, Connecticut
DATE STARTED 1/30/09 **COMPLETED** 1/30/09
GROUND ELEVATION ___ **HOLE SIZE** 4"
DRILLING CONTRACTOR Tetra Tech Rizzo, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Hand Auger
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	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0	(0-3)	SOIL SAMPLE: RSB-C5 (1-3') 9:00 SUBMITTED		12" Angular, c GRAVEL; 12" Black, f-c SAND and angular, f GRAVEL; 12" Brown, f-c SAND; no odor, dry	0.0
2.5					
				3.0	
				Bottom of hole at 3.0 feet.	

TETRA TECH RIZZO

BORING NUMBER RSB-C6

CLIENT Connecticut Department of Transportation
PROJECT NAME Busway New Britain/Hartford
PROJECT NUMBER 127-17797-08011
PROJECT LOCATION Newington, West Hartford, and Hartford, Connecticut
DATE STARTED 1/29/09 **COMPLETED** 1/29/09
GROUND ELEVATION _____ **HOLE SIZE** 4"
DRILLING CONTRACTOR Tetra Tech Rizzo, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Hand Auger
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	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0					
	(0-2)	SOIL SAMPLE: RSB-C6 (1-2') 13:30 SUBMITTED		24" Black, f-c SAND and angular, c GRAVEL; no odor, dry	0.0
2.0				Bottom of hole at 2.0 feet.	

TETRA TECH RIZZO

BORING NUMBER RSB-C7

CLIENT Connecticut Department of Transportation
PROJECT NAME Busway New Britain/Hartford
PROJECT NUMBER 127-17797-08011
PROJECT LOCATION Newington, West Hartford, and Hartford, Connecticut
DATE STARTED 1/29/09 **COMPLETED** 1/29/09
GROUND ELEVATION ___ **HOLE SIZE** 4"
DRILLING CONTRACTOR Tetra Tech Rizzo, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Hand Auger
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	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0	(0-3)	SOIL SAMPLE: RSB-C7 (1-3') 11:45 SUBMITTED		12" Angular, c GRAVEL; 18" Black, f-c SAND, some angular, f GRAVEL; 6" Brown, f-m SAND; no odor, dry	0.0
2.5					
				3.0	
				Bottom of hole at 3.0 feet.	

TETRA TECH RIZZO

BORING NUMBER RSB-C8

CLIENT Connecticut Department of Transportation
PROJECT NAME Busway New Britain/Hartford
PROJECT NUMBER 127-17797-08011
PROJECT LOCATION Newington, West Hartford, and Hartford, Connecticut
DATE STARTED 1/29/09 **COMPLETED** 1/29/09
GROUND ELEVATION _____ **HOLE SIZE** 4"
DRILLING CONTRACTOR Tetra Tech Rizzo, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Hand Auger
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	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0					
	(0-2)	SOIL SAMPLE: RSB-C8 (1-2') 10:45 SUBMITTED		6" Top soil; 18" Brown SILT some angular, c GRAVEL no staining, no odor, dry	0.0
2.0				Bottom of hole at 2.0 feet.	

TETRA TECH RIZZO

BORING NUMBER RSB-C9

CLIENT Connecticut Department of Transportation
PROJECT NAME Busway New Britain/Hartford
PROJECT NUMBER 127-17797-08011
PROJECT LOCATION Newington, West Hartford, and Hartford, Connecticut
DATE STARTED 1/29/09 **COMPLETED** 1/29/09
GROUND ELEVATION _____ **HOLE SIZE** 4"
DRILLING CONTRACTOR Tetra Tech Rizzo, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Hand Auger
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	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0					
	(0-2)	SOIL SAMPLE: RSB-C9 (1-2') 10:00 SUBMITTED		12" Angular, c GRAVEL some black, f-c SAND; 12" Black, f-c SAND; no odor, dry	0.0
2.0				Bottom of hole at 2.0 feet.	

TETRA TECH RIZZO

BORING NUMBER RSB-C10

CLIENT Connecticut Department of Transportation
PROJECT NAME Busway New Britain/Hartford
PROJECT NUMBER 127-17797-08011
PROJECT LOCATION Newington, West Hartford, and Hartford, Connecticut
DATE STARTED 1/29/09 **COMPLETED** 1/29/09
GROUND ELEVATION _____ **HOLE SIZE** 4"
DRILLING CONTRACTOR Tetra Tech Rizzo, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Hand Auger
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	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0					
	0-2.5	SOIL SAMPLE: RSB-C10 (1-2.5') 9:00 SUBMITTED		12" Angular, c GRAVEL and black, f-c SAND; 12" Brown, f-c SAND; 6" Red, f SAND; no odor, dry	0.0
2.5				2.5	
				Bottom of hole at 2.5 feet.	

GENERAL BH / TP / WELL 127-17797-08011.GPJ GINT US.GDT 3/6/09

TETRA TECH RIZZO

BORING NUMBER RSB-C11

CLIENT Connecticut Department of Transportation
PROJECT NAME Busway New Britain/Hartford
PROJECT NUMBER 127-17797-08011
PROJECT LOCATION Newington, West Hartford, and Hartford, Connecticut
DATE STARTED 1/27/09 **COMPLETED** 1/27/09
GROUND ELEVATION _____ **HOLE SIZE** 4"
DRILLING CONTRACTOR Tetra Tech Rizzo, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Hand Auger
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	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0	(0-2)	SOIL SAMPLE: RSB-C11 (1-2') 13:30 SUBMITTED		12" Angular, c GRAVEL; 12" Black, f-c SAND and angular, c GRAVEL; no odor, dry	0.0
2.0				Bottom of hole at 2.0 feet.	

TETRA TECH RIZZO

BORING NUMBER RSB-C12

CLIENT Connecticut Department of Transportation
PROJECT NAME Busway New Britain/Hartford
PROJECT NUMBER 127-17797-08011
PROJECT LOCATION Newington, West Hartford, and Hartford, Connecticut
DATE STARTED 1/27/09 **COMPLETED** 1/27/09
GROUND ELEVATION _____ **HOLE SIZE** 4"
DRILLING CONTRACTOR Tetra Tech Rizzo, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Hand Auger
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	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0	(0-3)	SOIL SAMPLE: RSB-C12 (1-3') 11:00 SUBMITTED		6" Angular, c GRAVEL; 6" Brown, f-c SAND; 24" Black, f-c SAND; no odor, dry	0.0
2.5					
				3.0	
				Bottom of hole at 3.0 feet.	

TETRA TECH RIZZO

BORING NUMBER RSB-C13

CLIENT Connecticut Department of Transportation
PROJECT NAME Busway New Britain/Hartford
PROJECT NUMBER 127-17797-08011
PROJECT LOCATION Newington, West Hartford, and Hartford, Connecticut
DATE STARTED 1/27/09 **COMPLETED** 1/27/09
GROUND ELEVATION _____ **HOLE SIZE** 4"
DRILLING CONTRACTOR Tetra Tech Rizzo, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Hand Auger
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	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0					
	(0-3)	SOIL SAMPLE: RSB-C13 (1-3') 9:30 SUBMITTED		6" Top soil; 6" Black, f-c SAND; 24" Brown, f-c SAND; no odor, dry	0.0
2.5					
				3.0	
				Bottom of hole at 3.0 feet.	

GENERAL BH / TP / WELL 127-17797-08011.GPJ GINT US.GDT 3/6/09

TETRA TECH RIZZO

BORING NUMBER RSB-C14

CLIENT Connecticut Department of Transportation
PROJECT NAME Busway New Britain/Hartford
PROJECT NUMBER 127-17797-08011
PROJECT LOCATION Newington, West Hartford, and Hartford, Connecticut
DATE STARTED 1/27/09 **COMPLETED** 1/27/09
GROUND ELEVATION _____ **HOLE SIZE** 4"
DRILLING CONTRACTOR Tetra Tech Rizzo, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Hand Auger
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	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0	(0-3)	SOIL SAMPLE: RSB-C14 (1-3') 8:30 SUBMITTED		12" Top soil and angular, c GRAVEL; 18" Black, f-c SAND; 6" Brown SILT, trace rounded, m GRAVEL; no odor, dry	0.0
2.5					
				3.0	
				Bottom of hole at 3.0 feet.	

GENERAL BH / TP / WELL 127-17797-08011.GPJ GINT US.GDT 3/6/09

TETRA TECH RIZZO

BORING NUMBER RSB-C15

CLIENT Connecticut Department of Transportation
PROJECT NAME Busway New Britain/Hartford
PROJECT NUMBER 127-17797-08011
PROJECT LOCATION Newington, West Hartford, and Hartford, Connecticut
DATE STARTED 1/26/09 **COMPLETED** 1/26/09
GROUND ELEVATION ____ **HOLE SIZE** 4"
DRILLING CONTRACTOR Tetra Tech Rizzo, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Hand Auger
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	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0	(0-3)	SOIL SAMPLE: RSB-C15 (1-3') 14:00 SUBMITTED		6" Angular, c GRAVEL; 18" Black, f-c SAND and f-m GRAVEL; 6" Black, f-m SAND; 6" Brown, f SAND and SILT; no odor, dry	0.0
2.5					
4.0				Bottom of hole at 3.0 feet.	

TETRA TECH RIZZO

BORING NUMBER RSB-C16

CLIENT Connecticut Department of Transportation
PROJECT NAME Busway New Britain/Hartford
PROJECT NUMBER 127-17797-08011
PROJECT LOCATION Newington, West Hartford, and Hartford, Connecticut
DATE STARTED 1/26/09 **COMPLETED** 1/26/09
GROUND ELEVATION _____ **HOLE SIZE** 4"
DRILLING CONTRACTOR Tetra Tech Rizzo, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Hand Auger
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	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0					
	(0-2.5)	SOIL SAMPLE: RSB-C16 (1-2.5') 12:30 SUBMITTED		6" Angular, c GRAVEL; 12" Brown SILT and f SAND; 12 Black, f-c SAND and angular, f-m GRAVEL; no odor, dry	0.0
2.5				2.5	
				Bottom of hole at 2.5 feet.	

TETRA TECH RIZZO

BORING NUMBER RSB-C17

CLIENT Connecticut Department of Transportation
PROJECT NAME Busway New Britain/Hartford
PROJECT NUMBER 127-17797-08011
PROJECT LOCATION Newington, West Hartford, and Hartford, Connecticut
DATE STARTED 1/26/09 **COMPLETED** 1/26/09
GROUND ELEVATION ___ **HOLE SIZE** 4"
DRILLING CONTRACTOR Tetra Tech Rizzo, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Hand Auger
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	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0					
	0-2.5	SOIL SAMPLE: RSB-C17 (1-2.5') 10:30 SUBMITTED		6" Angular, c GRAVEL; 12" Brown SILT and f SAND; 12" Black, f-c SAND and angular, f-m GRAVEL; no odor, dry	0.0
2.5				2.5	
				Bottom of hole at 2.5 feet.	

TETRA TECH RIZZO

BORING NUMBER RSB-C18

CLIENT Connecticut Department of Transportation
PROJECT NAME Busway New Britain/Hartford
PROJECT NUMBER 127-17797-08011
PROJECT LOCATION Newington, West Hartford, and Hartford, Connecticut
DATE STARTED 1/26/09 **COMPLETED** 1/26/09
GROUND ELEVATION _____ **HOLE SIZE** 4"
DRILLING CONTRACTOR Tetra Tech Rizzo, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Hand Auger
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	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0					
	0-2.5	SOIL SAMPLE: RSB-C18 (1.5-2.5') 9:00 SUBMITTED		18" Angular, c GRAVEL; 12" Top soil; no staining, no odor, dry	0.0
2.5				2.5	
				Bottom of hole at 2.5 feet.	

TETRA TECH RIZZO

BORING NUMBER RSB-C19

CLIENT Connecticut Department of Transportation
PROJECT NAME Busway New Britain/Hartford
PROJECT NUMBER 127-17797-08011
PROJECT LOCATION Newington, West Hartford, and Hartford, Connecticut
DATE STARTED 1/19/09 **COMPLETED** 1/19/09
GROUND ELEVATION _____ **HOLE SIZE** 4"
DRILLING CONTRACTOR Tetra Tech Rizzo, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Hand Auger
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	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0					
	(0-2)	SOIL SAMPLE: RSB-C19 (1-2') 13:00 SUBMITTED		12" Angular, c GRAVEL; 12" Black, f-c SAND; no odor, dry	0.0
2.0				Bottom of hole at 2.0 feet.	

GENERAL BH / TP / WELL 127-17797-08011.GPJ GINT US.GDT 3/6/09

TETRA TECH RIZZO

BORING NUMBER RSB-C20

CLIENT Connecticut Department of Transportation
PROJECT NAME Busway New Britain/Hartford
PROJECT NUMBER 127-17797-08011
PROJECT LOCATION Newington, West Hartford, and Hartford, Connecticut
DATE STARTED 1/19/09 **COMPLETED** 1/19/09
GROUND ELEVATION _____ **HOLE SIZE** 4"
DRILLING CONTRACTOR Tetra Tech Rizzo, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Hand Auger
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	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0					
	(0-3)	SOIL SAMPLE: RSB-C20 (1-2.5') 10:45 SUBMITTED		.12" Angular, c-m GRAVEL; 18" Black, f-c SAND some f GRAVEL; no odor, dry	0.0
2.5				2.5	
				Bottom of hole at 2.5 feet.	

TETRA TECH RIZZO

BORING NUMBER RSB-C21

CLIENT Connecticut Department of Transportation
PROJECT NAME Busway New Britain/Hartford
PROJECT NUMBER 127-17797-08011
PROJECT LOCATION Newington, West Hartford, and Hartford, Connecticut
DATE STARTED 1/19/09 **COMPLETED** 1/19/09
GROUND ELEVATION ____ **HOLE SIZE** 4"
DRILLING CONTRACTOR Tetra Tech Rizzo, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Hand Auger
▽ **AT TIME OF DRILLING** 2.0 ft
LOGGED BY Patrick de Paula **CHECKED BY** Rachel H. Rindfleisch
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0	(0-3)	SOIL SAMPLE: RSB-C21 (1-3') 9:00 SUBMITTED		24" Angular, c-m GRAVEL; 12" Black, f-c SAND, wet; no odor ▽	0.0
2.5				3.0 Bottom of hole at 3.0 feet.	

TETRA TECH RIZZO

BORING NUMBER RSB-C22

CLIENT Connecticut Department of Transportation
PROJECT NAME Busway New Britain/Hartford
PROJECT NUMBER 127-17797-08011
PROJECT LOCATION Newington, West Hartford, and Hartford, Connecticut
DATE STARTED 1/16/09 **COMPLETED** 1/16/09
GROUND ELEVATION _____ **HOLE SIZE** 4"
DRILLING CONTRACTOR Tetra Tech Rizzo, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Hand Auger
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	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0					
	0-2.5	SOIL SAMPLE: RSB-C22 (1-2.5') 10:00 SUBMITTED		18" Brown, f-c SAND and angular, c GRAVEL; 12" Black, f-c SAND some angular, f GRAVEL; no odor, dry	0.0
2.5				2.5	
				Bottom of hole at 2.5 feet.	

GENERAL BH / TP / WELL 127-17797-08011.GPJ GINT US.GDT 3/6/09

TETRA TECH RIZZO

BORING NUMBER RSB-C23

CLIENT Connecticut Department of Transportation
PROJECT NAME Busway New Britain/Hartford
PROJECT NUMBER 127-17797-08011
PROJECT LOCATION Newington, West Hartford, and Hartford, Connecticut
DATE STARTED 1/16/09 **COMPLETED** 1/16/09
GROUND ELEVATION ____ **HOLE SIZE** 4"
DRILLING CONTRACTOR Tetra Tech Rizzo, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Hand Auger
▽ **AT TIME OF DRILLING** 1.5 ft
LOGGED BY Patrick de Paula **CHECKED BY** Rachel H. Rindfleisch
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0					
	(0-2.5')	SOIL SAMPLE: RSB-C23 (1-2.5') 9:00 SUBMITTED		18" Brown, f-c SAND and subangular, f-c GRAVEL; 12" Black, f-c SAND, wet ▽	0.0
2.5				2.5	
				Bottom of hole at 2.5 feet.	

GENERAL BH / TP / WELL 127-17797-08011.GPJ GINT US.GDT 3/6/09

TETRA TECH RIZZO

BORING NUMBER RSB-C24

CLIENT Connecticut Department of Transportation
PROJECT NAME Busway New Britain/Hartford
PROJECT NUMBER 127-17797-08011
PROJECT LOCATION Newington, West Hartford, and Hartford, Connecticut
DATE STARTED 1/15/09 **COMPLETED** 1/15/09
GROUND ELEVATION _____ **HOLE SIZE** 4"
DRILLING CONTRACTOR Tetra Tech Rizzo, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Hand Auger
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	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0					
	(0-3)	SOIL SAMPLE: RSB-C24 (1-3') 11:00 SUBMITTED		18" Subangular, f-c GRAVEL and brown, f-c SAND; 18" Black, f-c SAND; no odor, dry	0.0
2.5					
				3.0	
				Bottom of hole at 3.0 feet.	

TETRA TECH RIZZO

BORING NUMBER RSB-C25

CLIENT Connecticut Department of Transportation
PROJECT NAME Busway New Britain/Hartford
PROJECT NUMBER 127-17797-08011
PROJECT LOCATION Newington, West Hartford, and Hartford, Connecticut
DATE STARTED 1/15/09 **COMPLETED** 1/15/09
GROUND ELEVATION _____ **HOLE SIZE** 4"
DRILLING CONTRACTOR Tetra Tech Rizzo, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Hand Auger
▽ **AT TIME OF DRILLING** 2.0 ft
LOGGED BY Patrick de Paula **CHECKED BY** Rachel H. Rindfleisch
AT END OF DRILLING ---
NOTES _____
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0	(0-3)	SOIL SAMPLE: RSB-C25 (1-3') 9:30 SUBMITTED		18" Top soil and f-c SAND; 18" Brown SILT, wet; no staining, no odor ▽	0.0
2.5				3.0 Bottom of hole at 3.0 feet.	

GENERAL BH / TP / WELL 127-17797-08011.GPJ GINT US.GDT 3/6/09

TETRA TECH RIZZO

BORING NUMBER RSB-C26

CLIENT Connecticut Department of Transportation
PROJECT NAME Busway New Britain/Hartford
PROJECT NUMBER 127-17797-08011
PROJECT LOCATION Newington, West Hartford, and Hartford, Connecticut
DATE STARTED 1/14/09 **COMPLETED** 1/14/09
GROUND ELEVATION **HOLE SIZE** 4"
DRILLING CONTRACTOR Tetra Tech Rizzo, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Hand Auger
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	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0					
	0-2.5	SOIL SAMPLE: RSB-C26 (1-2.5') 13:00 SUBMITTED		12" Top soil; 18" Brown SILT; no staining, no odor, dry	0.0
2.5				2.5	
				Bottom of hole at 2.5 feet.	

TETRA TECH RIZZO

BORING NUMBER RSB-C27

CLIENT Connecticut Department of Transportation
PROJECT NAME Busway New Britain/Hartford
PROJECT NUMBER 127-17797-08011
PROJECT LOCATION Newington, West Hartford, and Hartford, Connecticut
DATE STARTED 1/12/09 **COMPLETED** 1/12/09
GROUND ELEVATION **HOLE SIZE** 4"
DRILLING CONTRACTOR Tetra Tech Rizzo, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Hand Auger
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	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				12" Top soil; 24" Brown, f SAND and SILT; no staining, no odor, dry	
	(0-3)	SOIL SAMPLE: RSB-C27 (1-3') 13:40 SUBMITTED			0.0
2.5					
				3.0 Bottom of hole at 3.0 feet.	

TETRA TECH RIZZO

BORING NUMBER RSB-C28

CLIENT Connecticut Department of Transportation
PROJECT NAME Busway New Britain/Hartford
PROJECT NUMBER 127-17797-08011
PROJECT LOCATION Newington, West Hartford, and Hartford, Connecticut
DATE STARTED 1/12/09 **COMPLETED** 1/12/09
GROUND ELEVATION _____ **HOLE SIZE** 4"
DRILLING CONTRACTOR Tetra Tech Rizzo, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Hand Auger
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	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0					
	(0-2.5)	SOIL SAMPLE: RSB-C28 (1-2.5') 12:30 SUBMITTED		12" Top soil; 18" Brown, f SAND and SILT; no staining, no odor, dry	0.0
2.5				2.5	
				Bottom of hole at 2.5 feet.	

TETRA TECH RIZZO

BORING NUMBER RSB-C29

CLIENT Connecticut Department of Transportation
PROJECT NAME Busway New Britain/Hartford
PROJECT NUMBER 127-17797-08011
PROJECT LOCATION Newington, West Hartford, and Hartford, Connecticut
DATE STARTED 1/12/09 **COMPLETED** 1/12/09
GROUND ELEVATION ___ **HOLE SIZE** 4"
DRILLING CONTRACTOR Tetra Tech Rizzo, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Hand Auger
▽ **AT TIME OF DRILLING** 1.0 ft
LOGGED BY Patrick de Paula **CHECKED BY** Rachel H. Rindfleisch
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0					
	(0-2)	SOIL SAMPLE: RSB-C29 (1-2') 10:45 SUBMITTED		12" Brown, f-c SAND and angular, f-c GRAVEL; 12" Brown SILT and CLAY, wet; no staining, no odor ▽	0.0
2.0				Bottom of hole at 2.0 feet.	

GENERAL BH / TP / WELL 127-17797-08011.GPJ GINT US.GDT 3/6/09

TETRA TECH RIZZO

BORING NUMBER RSB-C30

CLIENT Connecticut Department of Transportation
PROJECT NAME Busway New Britain/Hartford
PROJECT NUMBER 127-17797-08011
PROJECT LOCATION Newington, West Hartford, and Hartford, Connecticut
DATE STARTED 1/9/09 **COMPLETED** 1/9/09
GROUND ELEVATION _____ **HOLE SIZE** 4"
DRILLING CONTRACTOR Tetra Tech Rizzo, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Hand Auger
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	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0					
	(0-3)	SOIL SAMPLE: RSB-C30 (1-3') 13:50 SUBMITTED		24" Black, f-c SAND and angular, f-c GRAVEL; 6" Brown, f-c SAND little f-c GRAVEL; no odor, dry	0.0
2.5					
				3.0	
				Bottom of hole at 3.0 feet.	

GENERAL BH / TP / WELL 127-17797-08011.GPJ GINT US.GDT 3/6/09

TETRA TECH RIZZO

BORING NUMBER RSB-C31

CLIENT Connecticut Department of Transportation
PROJECT NAME Busway New Britain/Hartford
PROJECT NUMBER 127-17797-08011
PROJECT LOCATION Newington, West Hartford, and Hartford, Connecticut
DATE STARTED 1/9/09 **COMPLETED** 1/9/09
GROUND ELEVATION **HOLE SIZE** 4"
DRILLING CONTRACTOR Tetra Tech Rizzo, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Hand Auger
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	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				30" Black, f-c SAND and angular, f-c GRAVEL; 18" Brown, f-c SAND little f-c GRAVEL; no odor, dry	
2.5	(0-4)	SOIL SAMPLE: RSB-C31 (1-4') 13:15 SUBMITTED			0.0
				4.0	
				Bottom of hole at 4.0 feet.	

TETRA TECH RIZZO

BORING NUMBER RSB-C32

CLIENT Connecticut Department of Transportation
PROJECT NAME Busway New Britain/Hartford
PROJECT NUMBER 127-17797-08011
PROJECT LOCATION Newington, West Hartford, and Hartford, Connecticut
DATE STARTED 1/9/09 **COMPLETED** 1/9/09
GROUND ELEVATION _____ **HOLE SIZE** 4"
DRILLING CONTRACTOR Tetra Tech Rizzo, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Hand Auger
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	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0					
	0-2.5	SOIL SAMPLE: RSB-C32 (1-2.5') 12:45 SUBMITTED		30" Black, f-c SAND and angular, f-c GRAVEL; no odor, dry	0.0
2.5				2.5	
				Bottom of hole at 2.5 feet.	

GENERAL BH / TP / WELL 127-17797-08011.GPJ GINT US.GDT 3/6/09

TETRA TECH RIZZO

BORING NUMBER RSB-C33

CLIENT Connecticut Department of Transportation
PROJECT NAME Busway New Britain/Hartford
PROJECT NUMBER 127-17797-08011
PROJECT LOCATION Newington, West Hartford, and Hartford, Connecticut
DATE STARTED 1/9/09 **COMPLETED** 1/9/09
GROUND ELEVATION _____ **HOLE SIZE** 4"
DRILLING CONTRACTOR Tetra Tech Rizzo, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Hand Auger
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	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0					
	(0-2.5)	SOIL SAMPLE: RSB-C33 (1-2.5') 11:30 SUBMITTED		30" Black, f-c SAND and angular, f-c GRAVEL; no odor, dry	0.0
2.5				2.5	
				Bottom of hole at 2.5 feet.	

GENERAL BH / TP / WELL 127-17797-08011.GPJ GINT US.GDT 3/6/09

BORING NUMBER RSB-C34

TETRA TECH RIZZO

CLIENT Connecticut Department of Transportation
PROJECT NAME Busway New Britain/Hartford
PROJECT NUMBER 127-17797-08011
PROJECT LOCATION Newington, West Hartford, and Hartford, Connecticut
DATE STARTED 1/9/09 **COMPLETED** 1/9/09
GROUND ELEVATION ___ **HOLE SIZE** 4"
DRILLING CONTRACTOR Tetra Tech Rizzo, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Hand Auger
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	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				48" Black, f-c SAND and angular, f-c GRAVEL; no odor, dry	
2.5	(0-4)	SOIL SAMPLE: RSB-C34 (1-4') 10:45 SUBMITTED			0.0
				4.0 Bottom of hole at 4.0 feet.	

GENERAL BH / TP / WELL 127-17797-08011.GPJ GINT US.GDT 3/6/09

TETRA TECH RIZZO

BORING NUMBER RSB-C35

CLIENT Connecticut Department of Transportation
PROJECT NAME Busway New Britain/Hartford
PROJECT NUMBER 127-17797-08011
PROJECT LOCATION Newington, West Hartford, and Hartford, Connecticut
DATE STARTED 1/9/09 **COMPLETED** 1/9/09
GROUND ELEVATION _____ **HOLE SIZE** 4"
DRILLING CONTRACTOR Tetra Tech Rizzo, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Hand Auger
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	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0					
	0-3.5	SOIL SAMPLE: RSB-C35 (1-3.5') 10:00 SUBMITTED		42" Black, f-c SAND and angular, f-c GRAVEL; no odor, dry	0.0
2.5					
				3.5 Bottom of hole at 3.5 feet.	

TETRA TECH RIZZO

BORING NUMBER RSB-C36

CLIENT Connecticut Department of Transportation
PROJECT NAME Busway New Britain/Hartford
PROJECT NUMBER 127-17797-08011
PROJECT LOCATION Newington, West Hartford, and Hartford, Connecticut
DATE STARTED 1/9/09 **COMPLETED** 1/9/09
GROUND ELEVATION _____ **HOLE SIZE** 4"
DRILLING CONTRACTOR Tetra Tech Rizzo, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Hand Auger
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	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0					
	(0-2.5'	SOIL SAMPLE: RSB-C36 (1-2.5') 9:30 SUBMITTED		30" Black, f-c SAND and angular, f-c GRAVEL; no odor, dry	0.0
2.5				2.5	
				Bottom of hole at 2.5 feet.	

TETRA TECH RIZZO

BORING NUMBER RSB-C37

CLIENT Connecticut Department of Transportation
PROJECT NAME Busway New Britain/Hartford
PROJECT NUMBER 127-17797-08011
PROJECT LOCATION Newington, West Hartford, and Hartford, Connecticut
DATE STARTED 1/9/09 **COMPLETED** 1/9/09
GROUND ELEVATION _____ **HOLE SIZE** 4"
DRILLING CONTRACTOR Tetra Tech Rizzo, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Hand Auger
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	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0					
	0-3.5	SOIL SAMPLE: RSB-C37 (1-3.5') 8:45 SUBMITTED		18" Black, f-c SAND and angular, f-c GRAVEL; 24" Brown, f-c SAND; no odor, dry	0.0
2.5					
				3.5	
				Bottom of hole at 3.5 feet.	

BORING NUMBER RSB-C38

TETRA TECH RIZZO

CLIENT Connecticut Department of Transportation
PROJECT NAME Busway New Britain/Hartford
PROJECT NUMBER 127-17797-08011
PROJECT LOCATION Newington, West Hartford, and Hartford, Connecticut
DATE STARTED 1/8/09 **COMPLETED** 1/8/09
GROUND ELEVATION _____ **HOLE SIZE** 4"
DRILLING CONTRACTOR Tetra Tech Rizzo, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Hand Auger
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	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0					
	(0-3)	SOIL SAMPLE: RSB-C38 (1-3') 14:00 SUBMITTED		6" Top soil and c GRAVEL; 18" Black, f-c GRAVEL and f-c SAND; 12" Brown, f-c SAND; no odor, dry	0.0
2.5					
				3.0 Bottom of hole at 3.0 feet.	

TETRA TECH RIZZO

BORING NUMBER RSB-C39

CLIENT Connecticut Department of Transportation
PROJECT NAME Busway New Britain/Hartford
PROJECT NUMBER 127-17797-08011
PROJECT LOCATION Newington, West Hartford, and Hartford, Connecticut
DATE STARTED 1/8/09 **COMPLETED** 1/8/09
GROUND ELEVATION _____ **HOLE SIZE** 4"
DRILLING CONTRACTOR Tetra Tech Rizzo, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Hand Auger
▽ **AT TIME OF DRILLING** 1.3 ft
LOGGED BY Patrick de Paula **CHECKED BY** Rachel H. Rindfleisch
AT END OF DRILLING ---
NOTES _____
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0					
	(0-2.5'	SOIL SAMPLE: RSB-C39 (1-2.5') 12:45 SUBMITTED		12" Black, f-c SAND and c GRAVEL; 6" Black, f-c SAND and f GRAVEL; 12" Brown, f-c SAND trace SILT, wet; no odor ▽	0.0
2.5				2.5	
				Bottom of hole at 2.5 feet.	

GENERAL BH / TP / WELL 127-17797-08011.GPJ GINT US.GDT 3/6/09

TETRA TECH RIZZO

BORING NUMBER RSB-C40

CLIENT Connecticut Department of Transportation
PROJECT NAME Busway New Britain/Hartford
PROJECT NUMBER 127-17797-08011
PROJECT LOCATION Newington, West Hartford, and Hartford, Connecticut
DATE STARTED 1/8/09 **COMPLETED** 1/8/09
GROUND ELEVATION _____ **HOLE SIZE** 4"
DRILLING CONTRACTOR Tetra Tech Rizzo, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Hand Auger
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	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0					
	(0-2.5)	SOIL SAMPLE: RSB-C40 (1-2.5') 11:00 SUBMITTED		12" Black, f-c GRAVEL trace top soil; 12" Black, f-c SAND and f-c GRAVEL; 6" Gray-brown CLAY; no odor, dry	0.0
2.5				2.5	
				Bottom of hole at 2.5 feet.	

GENERAL BH / TP / WELL 127-17797-08011.GPJ GINT US.GDT 3/6/09

TETRA TECH RIZZO

BORING NUMBER RSB-C41

CLIENT Connecticut Department of Transportation
PROJECT NAME Busway New Britain/Hartford
PROJECT NUMBER 127-17797-08011
PROJECT LOCATION Newington, West Hartford, and Hartford, Connecticut
DATE STARTED 1/8/09 **COMPLETED** 1/8/09
GROUND ELEVATION _____ **HOLE SIZE** 4"
DRILLING CONTRACTOR Tetra Tech Rizzo, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Hand Auger
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	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0					
	(0-2.5)	SOIL SAMPLE: RSB-C41 (1-2.5') 9:45 SUBMITTED		12" Angular, c GRAVEL and some top soil; 18" Black, f-c SAND and f-c GRAVEL; no odor, dry	0.0
2.5				2.5	
				Bottom of hole at 2.5 feet.	

GENERAL BH / TP / WELL 127-17797-08011.GPJ GINT US.GDT 3/6/09

TETRA TECH RIZZO

BORING NUMBER RSB-C42

CLIENT Connecticut Department of Transportation
PROJECT NAME Busway New Britain/Hartford
PROJECT NUMBER 127-17797-08011
PROJECT LOCATION Newington, West Hartford, and Hartford, Connecticut
DATE STARTED 1/8/09 **COMPLETED** 1/8/09
GROUND ELEVATION _____ **HOLE SIZE** 4"
DRILLING CONTRACTOR Tetra Tech Rizzo, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Hand Auger
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	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0					
	(0-2.5)	SOIL SAMPLE: RSB-C42 (1-2.5') 8:30 SUBMITTED		12" Top soil and angular, c GRAVEL; 12" Black, f-c SAND some f GRAVEL; 6" Brown SILT and f SAND; no odor, dry	0.0
2.5				2.5	
				Bottom of hole at 2.5 feet.	

TETRA TECH RIZZO

BORING NUMBER RSB-C43

CLIENT Connecticut Department of Transportation
PROJECT NAME Busway New Britain/Hartford
PROJECT NUMBER 127-17797-08011
PROJECT LOCATION Newington, West Hartford, and Hartford, Connecticut
DATE STARTED 1/7/09 **COMPLETED** 1/7/09
GROUND ELEVATION _____ **HOLE SIZE** 4"
DRILLING CONTRACTOR Tetra Tech Rizzo, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Hand Auger
▽ **AT TIME OF DRILLING** 0.5 ft
LOGGED BY Patrick de Paula **CHECKED BY** Rachel H. Rindfleisch
AT END OF DRILLING ---
NOTES _____
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0					
	(0-2)	SOIL SAMPLE: RSB-C43 (1-2') 10:30 SUBMITTED		6" Top soil and angular, c GRAVEL; 18" Black, f-c GRAVEL and f-c SAND, wet; ▽ no odor	0.0
2.0				Bottom of hole at 2.0 feet.	

TETRA TECH RIZZO

BORING NUMBER RSB-C44

CLIENT Connecticut Department of Transportation
PROJECT NAME Busway New Britain/Hartford
PROJECT NUMBER 127-17797-08011
PROJECT LOCATION Newington, West Hartford, and Hartford, Connecticut
DATE STARTED 1/7/09 **COMPLETED** 1/7/09
GROUND ELEVATION ____ **HOLE SIZE** 4"
DRILLING CONTRACTOR Tetra Tech Rizzo, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Hand Auger
▽ **AT TIME OF DRILLING** 0.5 ft
LOGGED BY Patrick de Paula **CHECKED BY** Rachel H. Rindfleisch
AT END OF DRILLING ---
NOTES ____
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0					
	(0-2)	SOIL SAMPLE: RSB-C44 (1-2') 9:30 SUBMITTED		6" Top soil and angular, c GRAVEL; 18" Black, f-c GRAVEL and f-c SAND, wet; ▽ no odor	0.0
2.0				Bottom of hole at 2.0 feet.	

TETRA TECH RIZZO

BORING NUMBER RSB-C45

CLIENT Connecticut Department of Transportation
PROJECT NAME Busway New Britain/Hartford
PROJECT NUMBER 127-17797-08011
PROJECT LOCATION Newington, West Hartford, and Hartford, Connecticut
DATE STARTED 1/6/09 **COMPLETED** 1/6/09
GROUND ELEVATION _____ **HOLE SIZE** 4"
DRILLING CONTRACTOR Tetra Tech Rizzo, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Hand Auger
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	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0	(0-3)	SOIL SAMPLE: RSB-C45 (1-3') 13:30 SUBMITTED		6" Top soil; 18" Black, f-c SAND; 12" Gray-brown SILT and f SAND; no odor, dry	0.0
2.5				3.0 Bottom of hole at 3.0 feet.	

GENERAL BH / TP / WELL 127-17797-08011.GPJ GINT US.GDT 3/6/09

TETRA TECH RIZZO

BORING NUMBER RSB-C46

CLIENT Connecticut Department of Transportation
PROJECT NAME Busway New Britain/Hartford
PROJECT NUMBER 127-17797-08011
PROJECT LOCATION Newington, West Hartford, and Hartford, Connecticut
DATE STARTED 1/6/09 **COMPLETED** 1/6/09
GROUND ELEVATION **HOLE SIZE** 4"
DRILLING CONTRACTOR Tetra Tech Rizzo, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Hand Auger
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	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0					
	(0-3)	SOIL SAMPLE: RSB-C46 (1-3') 12:30 SUBMITTED		6" Top soil; 6" Black, f-c SAND; 24" Brown SILT; no odor, dry	0.0
2.5					
				3.0	
				Bottom of hole at 3.0 feet.	

GENERAL BH / TP / WELL 127-17797-08011.GPJ GINT US.GDT 3/6/09

TETRA TECH RIZZO

BORING NUMBER RSB-C47

CLIENT Connecticut Department of Transportation
PROJECT NAME Busway New Britain/Hartford
PROJECT NUMBER 127-17797-08011
PROJECT LOCATION Newington, West Hartford, and Hartford, Connecticut
DATE STARTED 1/6/09 **COMPLETED** 1/6/09
GROUND ELEVATION _____ **HOLE SIZE** 4"
DRILLING CONTRACTOR Tetra Tech Rizzo, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Hand Auger
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	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				6" Top soil; 30" Brown-gray SILT and CLAY; no staining, no odor, dry	
2.5	(0-3)	SOIL SAMPLE: RSB-C47 (1-3') 11:00 SUBMITTED			0.0
				3.0 Bottom of hole at 3.0 feet.	

TETRA TECH RIZZO

BORING NUMBER RSB-C48

CLIENT Connecticut Department of Transportation
PROJECT NAME Busway New Britain/Hartford
PROJECT NUMBER 127-17797-08011
PROJECT LOCATION Newington, West Hartford, and Hartford, Connecticut
DATE STARTED 1/6/09 **COMPLETED** 1/6/09
GROUND ELEVATION _____ **HOLE SIZE** 4"
DRILLING CONTRACTOR Tetra Tech Rizzo, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Hand Auger
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	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0					
	(0-3)	SOIL SAMPLE: RSB-C48 (1-3') 10:00 SUBMITTED		6" Top soil and angular, c GRAVEL; 18" Black, f-c SAND; 6" Brown SILT and f SAND; 6" Red SILT and f SAND; no odor, dry	0.0
2.5					
				3.0 Bottom of hole at 3.0 feet.	

TETRA TECH RIZZO

BORING NUMBER RSB-C49

CLIENT Connecticut Department of Transportation
PROJECT NAME Busway New Britain/Hartford
PROJECT NUMBER 127-17797-08011
PROJECT LOCATION Newington, West Hartford, and Hartford, Connecticut
DATE STARTED 1/6/09 **COMPLETED** 1/6/09
GROUND ELEVATION _____ **HOLE SIZE** 4"
DRILLING CONTRACTOR Tetra Tech Rizzo, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Hand Auger
▽ **AT TIME OF DRILLING** 0.5 ft
LOGGED BY Patrick de Paula **CHECKED BY** Rachel H. Rindfleisch
AT END OF DRILLING ---
NOTES _____
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				12" Top soil and angular, c GRAVEL;	
				12" Black, f-c SAND, wet;	
				▽ 6" Brown SILT, wet;	
				6" Gray CLAY, wet;	
	(0-3)	SOIL SAMPLE: RSB-C49 (1-3') 8:30 SUBMITTED			0.0
2.5					
				3.0	
				Bottom of hole at 3.0 feet.	

GENERAL BH / TP / WELL 127-17797-08011.GPJ GINT US.GDT 3/6/09

TETRA TECH RIZZO

BORING NUMBER RSB-C50

CLIENT Connecticut Department of Transportation
PROJECT NAME Busway New Britain/Hartford
PROJECT NUMBER 127-17797-08011
PROJECT LOCATION Newington, West Hartford, and Hartford, Connecticut
DATE STARTED 12/30/08 **COMPLETED** 12/30/08
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-C50 (1-4') 11:20 SUBMITTED		6" Top soil; 6" Red, f-c SAND little red SILT trace rounded, f-c GRAVEL; 18" Brown SILT and CLAY; no staining, no odor, dry	0.0
2.5						
5.0	(4-8)	88			18" Gray CLAY and SILT; 24" Brown SILT and CLAY; no staining, no odor, dry	0.0
7.5						
					8.0 Bottom of hole at 8.0 feet.	

GENERAL BH / TP / WELL 127-17797-08011.GPJ GINT US.GDT 3/6/09

TETRA TECH RIZZO

BORING NUMBER RSB-C51

CLIENT Connecticut Department of Transportation
PROJECT NAME Busway New Britain/Hartford
PROJECT NUMBER 127-17797-08011
PROJECT LOCATION Newington, West Hartford, and Hartford, Connecticut
DATE STARTED 12/17/08 **COMPLETED** 12/17/08
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-C51 (1-4') 13:35 SUBMITTED		12" Yellow, f-m SAND trace angular GRAVEL; 12" Black, f-c SAND, slight odor and staining; 12" Gray SILT and CLAY; dry	4.4
2.5						
5.0	(4-8)	100			48" Brown SILT some CLAY trace f SAND; no staining, no odor, dry	0.0
7.5						
					8.0 Bottom of hole at 8.0 feet.	

TETRA TECH RIZZO

BORING NUMBER RSB-C52

CLIENT Connecticut Department of Transportation
PROJECT NAME Busway New Britain/Hartford
PROJECT NUMBER 127-17797-08011
PROJECT LOCATION Newington, West Hartford, and Hartford, Connecticut
DATE STARTED 12/17/08 **COMPLETED** 12/17/08
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-C52 (1-4') 14:15 SUBMITTED		18" Black, f-c SAND trace GRAVEL trace coal; 6" Brown SILT and black, f-c SAND; no odor, dry	0.0
2.5						
	(4-8)	100			24" Brown, f-c SAND; 24" Brown CLAY some SILT; no staining, no odor, dry	0.0
5.0						
7.5						
					8.0 Bottom of hole at 8.0 feet.	

GENERAL BH / TP / WELL 127-17797-08011.GPJ GINT US.GDT 3/6/09

TETRA TECH RIZZO

BORING NUMBER RSB-C53

CLIENT Connecticut Department of Transportation
PROJECT NAME Busway New Britain/Hartford
PROJECT NUMBER 127-17797-08011
PROJECT LOCATION Newington, West Hartford, and Hartford, Connecticut
DATE STARTED 12/29/08 **COMPLETED** 12/29/08
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)	38	SOIL SAMPLE: RSB-C53 (1-4') 10:45 SUBMITTED		6" Top soil; 12" Black, f-c SAND little angular, m GRAVEL; no odor, dry	0.0
2.5						
	(4-8)	50			6" Black, f-c SAND; 18" Brown CLAY little SILT; no odor, dry	0.0
5.0						
7.5						
					8.0 Bottom of hole at 8.0 feet.	

GENERAL BH / TP / WELL 127-17797-08011.GPJ GINT US.GDT 3/6/09

TETRA TECH RIZZO

WELL NUMBER RSB-C54

CLIENT Connecticut Department of Transportation
PROJECT NAME Busway New Britain/Hartford
PROJECT NUMBER 127-17797-08011
PROJECT LOCATION Newington, West Hartford, and Hartford, Connecticut
DATE STARTED 12/29/08 **COMPLETED** 12/29/08
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)	WELL DIAGRAM
0.0					3" Top soil; 12" Black, f-c SAND; 12" Red, f-c SAND; no odor, dry		
2.5	(0-4)	56				0.0	
					▽ 33" Brown, f-c SAND, wet, no staining, no odor		
5.0							
	(4-8)	69	SOIL SAMPLE: RSB-C54 (4-8') 11:00 SUBMITTED			0.0	
7.5					8.0		1" screened PVC pipe installed to 16' depth;
10.0			GROUNDWATER SAMPLE: RSB-C54 (GW) 12:00				

(Continued Next Page)

TETRA TECH RIZZO

WELL NUMBER RSB-C54

CLIENT Connecticut Department of Transportation **PROJECT NAME** Busway New Britain/Hartford

PROJECT NUMBER 127-17797-08011 **PROJECT LOCATION** Newington, West Hartford, and Hartford, Connecticut

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	WELL DIAGRAM
10.0			SUBMITTED; WATER: SILTY, NO SHEEN, NO ODOR				
12.5							
15.0					Bottom of hole at 16.0 feet.		

TETRA TECH RIZZO

BORING NUMBER RSB-C55

CLIENT Connecticut Department of Transportation
PROJECT NAME Busway New Britain/Hartford
PROJECT NUMBER 127-17797-08011
PROJECT LOCATION Newington, West Hartford, and Hartford, Connecticut
DATE STARTED 12/29/08 **COMPLETED** 12/29/08
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-C55 (1-4') 13:30 SUBMITTED		21" Black, f-c SAND; 3" Brown SILT and f SAND; no odor, dry	0.0
2.5						
					12" Brown SILT trace CLAY trace f SAND; 12" Brown CLAY little SILT; no staining, no odor, dry	
5.0						
	(4-8)	50				0.0
7.5						
					8.0 Bottom of hole at 8.0 feet.	

GENERAL BH / TP / WELL 127-17797-08011.GPJ GINT US.GDT 3/6/09

TETRA TECH RIZZO

BORING NUMBER RSB-C56

CLIENT Connecticut Department of Transportation
PROJECT NAME Busway New Britain/Hartford
PROJECT NUMBER 127-17797-08011
PROJECT LOCATION Newington, West Hartford, and Hartford, Connecticut
DATE STARTED 12/29/08 **COMPLETED** 12/29/08
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)	25	SOIL SAMPLE: RSB-C56 (1-4') 14:00 SUBMITTED		6" Black ash trace angular, porous, white GRAVEL; 6" Brown SILT and CLAY; no odor, dry	0.0
2.5						
	(4-8)	100			48" Brown CLAY, some SILT; no staining, no odor, dry	0.0
5.0						
7.5						
					8.0 Bottom of hole at 8.0 feet.	

GENERAL BH / TP / WELL 127-17797-08011.GPJ GINT US.GDT 3/6/09

TETRA TECH RIZZO

BORING NUMBER RSB-C57

CLIENT Connecticut Department of Transportation
PROJECT NAME Busway New Britain/Hartford
PROJECT NUMBER 127-17797-08011
PROJECT LOCATION Newington, West Hartford, and Hartford, Connecticut
DATE STARTED 12/30/08 **COMPLETED** 12/30/08
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)	69	SOIL SAMPLE: RSB-C57 (1-4') 8:45 SUBMITTED		3" Top soil; 9" Black, f-c SAND trace angular c GRAVEL; 21" Brown CLAY trace SILT; no odor, dry	0.0
2.5						
	(4-8)	100			48" Brown CLAY trace SILT trace orange, f SAND; no staining, no odor, dry	0.0
5.0						
7.5						
					8.0 Bottom of hole at 8.0 feet.	

GENERAL BH / TP / WELL 127-17797-08011.GPJ GINT US.GDT 3/6/09

TETRA TECH RIZZO

BORING NUMBER RSB-C58

CLIENT Connecticut Department of Transportation
PROJECT NAME Busway New Britain/Hartford
PROJECT NUMBER 127-17797-08011
PROJECT LOCATION Newington, West Hartford, and Hartford, Connecticut
DATE STARTED 12/30/08 **COMPLETED** 12/30/08
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-C58 (1-4') 9:30 SUBMITTED		3" Top soil, dry; 6" Brown, f-c SAND trace rounded, f-c GRAVEL , wet; 27" Brown-gray CLAY and SILT, dry; no staining, no odor	0.0
2.5						
	(4-8)	100			48" Gray SILT trace CLAY; no staining, no odor, dry	0.0
5.0						
7.5						
					8.0 Bottom of hole at 8.0 feet.	

GENERAL BH / TP / WELL 127-17797-08011.GPJ GINT US.GDT 3/6/09

TETRA TECH RIZZO

BORING NUMBER RSB-C59

CLIENT Connecticut Department of Transportation
PROJECT NAME Busway New Britain/Hartford
PROJECT NUMBER 127-17797-08011
PROJECT LOCATION Newington, West Hartford, and Hartford, Connecticut
DATE STARTED 12/30/08 **COMPLETED** 12/30/08
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)	81	SOIL SAMPLE: RSB-C59 (1-4') 10:00 SUBMITTED		12" Top soil; 3" Brown, f SAND; 12" Gray SILT, slight odor; 12" Brown SILT; no staining, dry	0.0
2.5						
	(4-8)	100			24" Brown SILT trace CLAY; 24" Gray SILT trace CLAY; no staining, no odor, dry	0.0
5.0						
7.5						
					8.0 Bottom of hole at 8.0 feet.	

GENERAL BH / TP / WELL 127-17797-08011.GPJ GINT US.GDT 3/6/09

BORING NUMBER RSB-C60

TETRA TECH RIZZO

CLIENT Connecticut Department of Transportation
PROJECT NAME Busway New Britain/Hartford
PROJECT NUMBER 127-17797-08011
PROJECT LOCATION Newington, West Hartford, and Hartford, Connecticut
DATE STARTED 12/31/08 **COMPLETED** 12/31/08
GROUND ELEVATION _____ **HOLE SIZE** 4"
DRILLING CONTRACTOR Tetra Tech Rizzo, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Hand Auger
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	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0	(0-3)	SOIL SAMPLE: RSB-C60 (1-3') 9:30 SUBMITTED		6" Black top soil; 18" Black, f-c SAND and angular, f-c GRAVEL; 12" Brown SILT; no odor, dry	0.0
2.5					
				3.0 Bottom of hole at 3.0 feet.	

TETRA TECH RIZZO

BORING NUMBER RSB-C61

CLIENT Connecticut Department of Transportation
PROJECT NAME Busway New Britain/Hartford
PROJECT NUMBER 127-17797-08011
PROJECT LOCATION Newington, West Hartford, and Hartford, Connecticut
DATE STARTED 1/5/09 **COMPLETED** 1/5/09
GROUND ELEVATION ___ **HOLE SIZE** 4"
DRILLING CONTRACTOR Tetra Tech Rizzo, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Hand Auger
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	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				6" Top soil and angular c GRAVEL; 30" Brown, f-c SAND some SILT little CLAY; no staining, no odor, dry	
2.5	(0-3)	SOIL SAMPLE: RSB-C61 (1-3') 8:45 SUBMITTED			0.0
				3.0 Bottom of hole at 3.0 feet.	

GENERAL BH / TP / WELL 127-17797-08011.GPJ GINT US.GDT 3/6/09

TETRA TECH RIZZO

BORING NUMBER RSB-C62

CLIENT Connecticut Department of Transportation
PROJECT NAME Busway New Britain/Hartford
PROJECT NUMBER 127-17797-08011
PROJECT LOCATION Newington, West Hartford, and Hartford, Connecticut
DATE STARTED 1/5/09 **COMPLETED** 1/5/09
GROUND ELEVATION _____ **HOLE SIZE** 4"
DRILLING CONTRACTOR Tetra Tech Rizzo, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Hand Auger
▽ **AT TIME OF DRILLING** 0.5 ft
LOGGED BY Patrick de Paula **CHECKED BY** Rachel H. Rindfleisch
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				6" Top soil and angular, c GRAVEL;	
	(0-3)	SOIL SAMPLE: RSB-C62 (1-3') 9:15 SUBMITTED		30" Brown, f-c SAND some SILT little CLAY, wet; ▽ no staining, no odor	0.0
2.5					
				3.0 Bottom of hole at 3.0 feet.	

TETRA TECH RIZZO

BORING NUMBER RSB-C63

CLIENT Connecticut Department of Transportation
PROJECT NAME Busway New Britain/Hartford
PROJECT NUMBER 127-17797-08011
PROJECT LOCATION Newington, West Hartford, and Hartford, Connecticut
DATE STARTED 1/5/09 **COMPLETED** 1/5/09
GROUND ELEVATION ____ **HOLE SIZE** 4"
DRILLING CONTRACTOR Tetra Tech Rizzo, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Hand Auger
▽ **AT TIME OF DRILLING** 0.5 ft
LOGGED BY Patrick de Paula **CHECKED BY** Rachel H. Rindfleisch
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0					
	(0-3)	SOIL SAMPLE: RSB-C63 (1-3') 9:45 SUBMITTED		6" Top soil and angular, c GRAVEL; 30" Brown, f-c SAND some SILT little CLAY, wet; ▽ no staining, no odor	0.0
2.5					
				3.0 Bottom of hole at 3.0 feet.	

GENERAL BH / TP / WELL 127-17797-08011.GPJ GINT US.GDT 3/6/09

TETRA TECH RIZZO

BORING NUMBER RSB-C64

CLIENT Connecticut Department of Transportation
PROJECT NAME Busway New Britain/Hartford
PROJECT NUMBER 127-17797-08011
PROJECT LOCATION Newington, West Hartford, and Hartford, Connecticut
DATE STARTED 1/5/09 **COMPLETED** 1/5/09
GROUND ELEVATION ____ **HOLE SIZE** 4"
DRILLING CONTRACTOR Tetra Tech Rizzo, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Hand Auger
▽ **AT TIME OF DRILLING** 3.0 ft
LOGGED BY Patrick de Paula **CHECKED BY** Rachel H. Rindfleisch
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				6" Top soil and angular, c GRAVEL;	
	(0-3)	SOIL SAMPLE: RSB-C64 (1-3') 10:30 SUBMITTED		30" Brown, f-c SAND some SILT little CLAY, wet; no staining, no odor	0.0
2.5				3.0 ▽	
				Bottom of hole at 3.0 feet.	

TETRA TECH RIZZO

BORING NUMBER RSB-C65

CLIENT Connecticut Department of Transportation
PROJECT NAME Busway New Britain/Hartford
PROJECT NUMBER 127-17797-08011
PROJECT LOCATION Newington, West Hartford, and Hartford, Connecticut
DATE STARTED 1/5/09 **COMPLETED** 1/5/09
GROUND ELEVATION ___ **HOLE SIZE** 4"
DRILLING CONTRACTOR Tetra Tech Rizzo, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Hand Auger
▽ **AT TIME OF DRILLING** 2.0 ft
LOGGED BY Patrick de Paula **CHECKED BY** Rachel H. Rindfleisch
AT END OF DRILLING ---
NOTES ___
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0					
	(0-3)	SOIL SAMPLE: RSB-C65 (1-3') 11:00 SUBMITTED		6" Top soil and angular, c GRAVEL; 30" Brown, f-c SAND some SILT little CLAY, wet; no staining, no odor ▽	0.0
2.5					
				3.0	
				Bottom of hole at 3.0 feet.	

BORING NUMBER RSB-C66

TETRA TECH RIZZO

CLIENT Connecticut Department of Transportation
PROJECT NAME Busway New Britain/Hartford
PROJECT NUMBER 127-17797-08011
PROJECT LOCATION Newington, West Hartford, and Hartford, Connecticut
DATE STARTED 12/17/08 **COMPLETED** 12/17/08
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-C66 (1-4') 12:00 SUBMITTED		10" Brown SILT some f-c SAND trace organic matter; 4" Black, f-c SAND little angular GRAVEL; 14" Red-black, f-c SAND, petroleum sheen and odor; 8" Black SILT; dry	44.7
2.5						
	(4-8)	100			24" Gray SILT little f SAND; 24" Brown SILT trace CLAY; dry	0.0
5.0						
7.5						
					8.0 Bottom of hole at 8.0 feet.	

GENERAL BH / TP / WELL 127-17797-08011.GPJ GINT US.GDT 3/8/09

TETRA TECH RIZZO

BORING NUMBER RSB-C67

CLIENT Connecticut Department of Transportation
PROJECT NAME Busway New Britain/Hartford
PROJECT NUMBER 127-17797-08011
PROJECT LOCATION Newington, West Hartford, and Hartford, Connecticut
DATE STARTED 12/17/08 **COMPLETED** 12/17/08
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						
	(1-4)	88	SOIL SAMPLE: RSB-C67 (1-4') 11:30 SUBMITTED		12" Asphalt and angular GRAVEL; 6" Gray, f SAND and brown SILT; 2" Black, f-c SAND; 22" Brown, f SAND and SILT; no odor, dry	0.0
2.5					▽ 12" Brown, f SAND and SILT, wet; 24" Brown SILT some f SAND; 12" Gray CLAY little SILT; no staining, no odor	
5.0	(4-8)	100				0.0
7.5						
					8.0 Bottom of hole at 8.0 feet.	

TETRA TECH RIZZO

BORING NUMBER RSB-C68

CLIENT Connecticut Department of Transportation
PROJECT NAME Busway New Britain/Hartford
PROJECT NUMBER 127-17797-08011
PROJECT LOCATION Newington, West Hartford, and Hartford, Connecticut
DATE STARTED 12/17/08 **COMPLETED** 12/17/08
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)	38	SOIL SAMPLE: RSB-C68 (1-4') 9:00 SUBMITTED		6" Top Soil and angular, GRAVEL; 9" Black, f-c SAND some angular, GRAVEL; 3" Brown SILT some angular, GRAVEL; no odor, dry	0.0
2.5						
					48" Brown SILT, trace black, f SAND; no odor, dry	
5.0						
	(4-8)	100				0.0
7.5						
					8.0 Bottom of hole at 8.0 feet.	

GENERAL BH / TP / WELL 127-17797-08011.GPJ GINT US.GDT 3/6/09

TETRA TECH RIZZO

BORING NUMBER RSB-C69

CLIENT Connecticut Department of Transportation
PROJECT NAME Busway New Britain/Hartford
PROJECT NUMBER 127-17797-08011
PROJECT LOCATION Newington, West Hartford, and Hartford, Connecticut
DATE STARTED 12/17/08 **COMPLETED** 12/17/08
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)	44	SOIL SAMPLE: RSB-C69 (1-4') 9:30 SUBMITTED		18" Black, f-c SAND and f GRAVEL; 3" Brown SILT; no odor, dry	0.0
2.5						
5.0					36" Brown SILT; no staining, no odor, dry	
	(4-8)	75				0.0
7.5						
					8.0 Bottom of hole at 8.0 feet.	

GENERAL BH / TP / WELL 127-17797-08011.GPJ GINT US.GDT 3/6/09

TETRA TECH RIZZO

BORING NUMBER RSB-C70

CLIENT Connecticut Department of Transportation
PROJECT NAME Busway New Britain/Hartford
PROJECT NUMBER 127-17797-08011
PROJECT LOCATION Newington, West Hartford, and Hartford, Connecticut
DATE STARTED 12/17/08 **COMPLETED** 12/17/08
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-C70 (1-4') 10:00 SUBMITTED		12" Black-brown, f-c SAND, some angular, m GRAVEL, trace coal; 9" Red, f-c SAND, little GRAVEL; 3" Brown SILT; no odor, dry	0.0
2.5						
	(4-8)	69			3" Brown SILT; 3" Black, f-c SAND trace f GRAVEL; 9" Brown SILT and f SAND; 18" Brown, f-c SAND trace round GRAVEL; no odor, dry	0.0
5.0						
7.5						
					8.0 Bottom of hole at 8.0 feet.	

GENERAL BH / TP / WELL 127-17797-08011.GPJ GINT US.GDT 3/6/09

TETRA TECH RIZZO

BORING NUMBER RSB-C71

CLIENT Connecticut Department of Transportation
PROJECT NAME Busway New Britain/Hartford
PROJECT NUMBER 127-17797-08011
PROJECT LOCATION Newington, West Hartford, and Hartford, Connecticut
DATE STARTED 12/18/08 **COMPLETED** 12/18/08
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)	38			18" Angular GRAVEL little top soil; no staining, no odor, dry	0.0
2.5						
					4.0	
5.0	(4-8)	63	SOIL SAMPLE: RSB-C71 (4-8') 12:30 SUBMITTED		3" Angular GRAVEL some top soil; 6" Yellow, f-c SAND; 2" Brown SILT; 6" Red, f-c SAND; 13" Brown CLAY some SILT; no staining, no odor, dry	0.0
7.5					8.0	
					Bottom of hole at 8.0 feet.	

GENERAL BH / TP / WELL 127-17797-08011.GPJ GINT US.GDT 3/6/09

TETRA TECH RIZZO

BORING NUMBER RSB-C72

CLIENT Connecticut Department of Transportation
PROJECT NAME Busway New Britain/Hartford
PROJECT NUMBER 127-17797-08011
PROJECT LOCATION Newington, West Hartford, and Hartford, Connecticut
DATE STARTED 12/18/08 **COMPLETED** 12/18/08
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-C72 (1-4') 12:10 SUBMITTED		3" Top soil; 12" Black, f-c SAND some angular GRAVEL (fill), petroleum odor and staining; 12" Red-black, f-c SAND, stained; dry	0.0
2.5						
5.0	(4-8)	88			18" Yellow, f-c SAND; 24" Brown CLAY little SILT; no staining, no odor	0.0
7.5						
					8.0 Bottom of hole at 8.0 feet.	

GENERAL BH / TP / WELL 127-17797-08011.GPJ GINT US.GDT 3/6/09

TETRA TECH RIZZO

BORING NUMBER RSB-C73

CLIENT Connecticut Department of Transportation
PROJECT NAME Busway New Britain/Hartford
PROJECT NUMBER 127-17797-08011
PROJECT LOCATION Newington, West Hartford, and Hartford, Connecticut
DATE STARTED 12/18/08 **COMPLETED** 12/18/08
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)	25			12" Top soil and angular GRAVEL; no staining, no odor, dry	0.0
2.5						
5.0	(4-8)	88	SOIL SAMPLE: RSB-C73 (4-8') 11:45 SUBMITTED		6" Angular GRAVEL and top soil; 24" Red, f-c SAND trace round GRAVEL; 12" Brown SILT; no staining, no odor, dry	0.0
7.5						
					8.0 Bottom of hole at 8.0 feet.	

GENERAL BH / TP / WELL 127-17797-08011.GPJ GINT US.GDT 3/6/09

TETRA TECH RIZZO

BORING NUMBER RSB-C74

CLIENT Connecticut Department of Transportation
PROJECT NAME Busway New Britain/Hartford
PROJECT NUMBER 127-17797-08011
PROJECT LOCATION Newington, West Hartford, and Hartford, Connecticut
DATE STARTED 12/18/08 **COMPLETED** 12/18/08
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)	25	SOIL SAMPLE: RSB-C74 (1-4') 11:00 SUBMITTED		12" Angular GRAVEL and top soil; no staining, no odor, dry	0.0
2.5						
					3" Angular GRAVEL and top soil; 33" Orange, f-c SAND, trace round GRAVEL; no staining, no odor, dry	
5.0						
	(4-8)	75				0.0
7.5						
					8.0	
					Bottom of hole at 8.0 feet.	

GENERAL BH / TP / WELL 127-17797-08011.GPJ GINT US.GDT 3/6/09

TETRA TECH RIZZO

BORING NUMBER RSB-C75

CLIENT Connecticut Department of Transportation
PROJECT NAME Busway New Britain/Hartford
PROJECT NUMBER 127-17797-08011
PROJECT LOCATION Newington, West Hartford, and Hartford, Connecticut
DATE STARTED 12/18/08 **COMPLETED** 12/18/08
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			4" Angular GRAVEL and wood fragments; 20" Black, f-c SAND trace SILT some staining; no odor, dry	0.0
2.5						
5.0	(4-8)	100	SOIL SAMPLE: RSB-C75 (4-8') 10:40 SUBMITTED		12" Brown SILT; 12" Gray-brown CLAY; 24" Gray CLAY some SILT; no staining, no odor, dry	0.0
7.5						
					8.0 Bottom of hole at 8.0 feet.	

GENERAL BH / TP / WELL 127-17797-08011.GPJ GINT US.GDT 3/6/09

BORING NUMBER RSB-C76

TETRA TECH RIZZO

CLIENT Connecticut Department of Transportation
PROJECT NAME Busway New Britain/Hartford
PROJECT NUMBER 127-17797-08011
PROJECT LOCATION Newington, West Hartford, and Hartford, Connecticut
DATE STARTED 12/18/08 **COMPLETED** 12/18/08
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-C76 (1-4') 10:15 SUBMITTED		6" Top soil and angular GRAVEL; 6" Black, f-c SAND, little angular GRAVEL, slight odor; 12" Yellow, f-c SAND, some staining; dry	0.0
2.5						
5.0	(4-8)	56			3" Yellow, f-c SAND; 3" Brown SILT; 3" Yelow, f-c SAND; 6" Red SILT and f SAND; 6" Brown SILT and f-c SAND; 6" Brown SILT; no staining, no odor, dry	0.0
7.5						
					8.0 Bottom of hole at 8.0 feet.	

GENERAL BH / TP / WELL 127-17797-08011.GPJ GINT US.GDT 3/6/09

TETRA TECH RIZZO

BORING NUMBER RSB-C77

CLIENT Connecticut Department of Transportation
PROJECT NAME Busway New Britain/Hartford
PROJECT NUMBER 127-17797-08011
PROJECT LOCATION Newington, West Hartford, and Hartford, Connecticut
DATE STARTED 12/18/08 **COMPLETED** 12/18/08
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					12" Top soil and brown CLAY, trace angular GRAVEL; 12" Brown CLAY, some staining; no odor, dry	
2.5	(0-4)	50				0.0
5.0					36" Brown CLAY, black staining and strong petroleum odor, dry	
7.5	(4-8)	75	SOIL SAMPLE: RSB-C77 (4-8') 9:00 SUBMITTED			0.0
					8.0 Bottom of hole at 8.0 feet.	

TETRA TECH RIZZO

BORING NUMBER RSB-C78

CLIENT Connecticut Department of Transportation
PROJECT NAME Busway New Britain/Hartford
PROJECT NUMBER 127-17797-08011
PROJECT LOCATION Newington, West Hartford, and Hartford, Connecticut
DATE STARTED 12/18/08 **COMPLETED** 12/18/08
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-C78 (1-4') 9:30 SUBMITTED		3" Top soil and wood fragments; 18" Brown-black, angular GRAVEL and f-c SAND (fill); 6" Brown CLAY little f SAND; no odor, dry	0.0
2.5						
5.0	(4-8)	56			3" Brown CLAY little f SAND; 2" Brick; 15" Brown CLAY some f SAND; 3" Black, f-c SAND; 6" Brown, f-c SAND; no odor, dry	0.0
7.5						
					8.0 Bottom of hole at 8.0 feet.	

GENERAL BH / TP / WELL 127-17797-08011.GPJ GINT US.GDT 3/6/09

TETRA TECH RIZZO

BORING NUMBER RSB-C79

CLIENT Connecticut Department of Transportation
PROJECT NAME Busway New Britain/Hartford
PROJECT NUMBER 127-17797-08011
PROJECT LOCATION Newington, West Hartford, and Hartford, Connecticut
DATE STARTED 1/14/09 **COMPLETED** 1/14/09
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-C79 (1-4') 9:50 SUBMITTED		12" Top soil; 24" Black, f-c SAND, trace angular, f GRAVEL; no odor, dry	0.0
2.5						
	(4-8)	25			9" Black, f-c SAND trace angular, f GRAVEL; 3" Brown CLAY and SILT; no odor, dry	0.0
5.0						
7.5						
					8.0 Bottom of hole at 8.0 feet.	

GENERAL BH / TP / WELL 127-17797-08011.GPJ GINT US.GDT 3/6/09

TETRA TECH RIZZO

BORING NUMBER RSB-C80

CLIENT Connecticut Department of Transportation
PROJECT NAME Busway New Britain/Hartford
PROJECT NUMBER 127-17797-08011
PROJECT LOCATION Newington, West Hartford, and Hartford, Connecticut
DATE STARTED 1/14/09 **COMPLETED** 1/14/09
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-C80 (1-4') 9:15 SUBMITTED		12" Top soil; 24" Black, f-c SAND, trace f GRAVEL, trace coal; no odor, dry	0.0
2.5						
					48" Gray CLAY some SILT; no staining, no odor, dry	
5.0						
	(4-8)	100				0.0
7.5						
					8.0 Bottom of hole at 8.0 feet.	

GENERAL BH / TP / WELL 127-17797-08011.GPJ GINT US.GDT 3/6/09

BORING NUMBER RSB-C81

TETRA TECH RIZZO

CLIENT Connecticut Department of Transportation
PROJECT NAME Busway New Britain/Hartford
PROJECT NUMBER 127-17797-08011
PROJECT LOCATION Newington, West Hartford, and Hartford, Connecticut
DATE STARTED 1/14/09 **COMPLETED** 1/14/09
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)	44	SOIL SAMPLE: RSB-C81 (1-4') 8:45 SUBMITTED		21" Black, f-c SAND and angular, f-c GRAVEL, wet; no odor	0.0
2.5						
					36" Brown CLAY; no staining, no odor, dry	
5.0						
	(4-8)	75				0.0
7.5						
					8.0	
					Bottom of hole at 8.0 feet.	

GENERAL BH / TP / WELL 127-17797-08011.GPJ GINT US.GDT 3/6/09

TETRA TECH RIZZO

BORING NUMBER RSB-C82

CLIENT Connecticut Department of Transportation
PROJECT NAME Busway New Britain/Hartford
PROJECT NUMBER 127-17797-08011
PROJECT LOCATION Newington, West Hartford, and Hartford, Connecticut
DATE STARTED 1/14/09 **COMPLETED** 1/14/09
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-C82 (1-4') 8:00 SUBMITTED		12" Black stained, f-c SAND; 12" Gray CLAY; no odor, dry	0.0
2.5						
					36" Brown CLAY; no staining, no odor, dry	
5.0						
	(4-8)	75				0.0
7.5						
					8.0 Bottom of hole at 8.0 feet.	

GENERAL BH / TP / WELL 127-17797-08011.GPJ GINT US.GDT 3/6/09

Report Date:
19-Feb-09 09:15

☑ 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 - Newington, CT
Project 127-17797-08011

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SA90545-01	RSB-C1	Soil	30-Jan-09 13:30	02-Feb-09 12:14
SA90545-02	RSB-C2	Soil	30-Jan-09 13:00	02-Feb-09 12:14
SA90545-03	RSB-C3	Soil	30-Jan-09 11:30	02-Feb-09 12:14
SA90545-04	RSB-C4	Soil	30-Jan-09 10:15	02-Feb-09 12:14
SA90545-05	RSB-C5	Soil	30-Jan-09 09:00	02-Feb-09 12:14

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 62 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 4.7 degrees Celsius, please refer to the Chain of Custody for details specific to temperature upon receipt. An infrared thermometer with a tolerance of +/- 2.0 degrees Celsius was used immediately upon receipt of the samples.

SW846 8260 Case Narrative:

SA90545-01 was analyzed from the methanol preserved vial due to both DI preserved vials having cracks upon receipt.

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

SW846 6010B

Spikes:

9020164-MS1 *Source: SA90545-02*

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.

Lead

Duplicates:

9020164-DUP1 *Source: SA90545-01*

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.

Selenium

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

Arsenic
Cadmium
Chromium

SW846 8151A

Laboratory Control Samples:

9020246-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.

Dalapon

SW846 8260B

SW846 8260B

Laboratory Control Samples:

9020391-BS1

Analyte out of acceptance range.

1,4-Dioxane
2-Hexanone (MBK)
4-Methyl-2-pentanone (MIBK)
Ethanol
Naphthalene
Tert-Butanol / butyl alcohol

9020391-BSD1

RPD out of acceptance range.

1,4-Dioxane

9020520-BS1

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

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

9020520-BSD1

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

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

Analyte out of acceptance range.

trans-1,4-Dichloro-2-butene

9020592-BSD1

Analyte out of acceptance range.

1,1,2-Trichlorotrifluoroethane (Freon 113)

SW846 8270C

Laboratory Control Samples:

9020254-BS1

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

Aniline

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C1 SA90545-01	127-17797-08011	Soil	30-Jan-09 13:30	02-Feb-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	03-Feb-09	03-Feb-09	9020207	
Volatile Organic Compounds											
Prepared by method SW846 5030 Soil (high level)						Initial weight: 16.77 g					
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	78.3	50	SW846 8260B	09-Feb-09	09-Feb-09	9020592	X
67-64-1	Acetone	BRL		µg/kg dry	783	50	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	78.3	50	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	78.3	50	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	78.3	50	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	78.3	50	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	78.3	50	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	78.3	50	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	157	50	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	783	50	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	78.3	50	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	78.3	50	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	78.3	50	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	391	50	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	78.3	50	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	78.3	50	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	157	50	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	78.3	50	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	157	50	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	78.3	50	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	78.3	50	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	157	50	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	78.3	50	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	78.3	50	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	78.3	50	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	78.3	50	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	78.3	50	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	78.3	50	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	157	50	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	78.3	50	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	78.3	50	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	78.3	50	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	78.3	50	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	78.3	50	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	78.3	50	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	78.3	50	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	78.3	50	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	78.3	50	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	78.3	50	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	78.3	50	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	78.3	50	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	78.3	50	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	783	50	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	78.3	50	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	78.3	50	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	78.3	50	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	783	50	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	783	50	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	78.3	50	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C1 SA90545-01	127-17797-08011	Soil	30-Jan-09 13:30	02-Feb-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
Volatile Organic Compounds						Initial weight: 16.77 g					
Prepared by method SW846 5030 Soil (high level)											
103-65-1	n-Propylbenzene	BRL		µg/kg dry	78.3	50	SW846 8260B	09-Feb-09	09-Feb-09	9020592	X
100-42-5	Styrene	BRL		µg/kg dry	78.3	50	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	78.3	50	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	78.3	50	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	78.3	50	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	78.3	50	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	78.3	50	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	78.3	50	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	78.3	50	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	78.3	50	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	78.3	50	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	78.3	50	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	78.3	50	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	78.3	50	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	78.3	50	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	78.3	50	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	78.3	50	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	157	50	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	78.3	50	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	783	50	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	78.3	50	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	78.3	50	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	78.3	50	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	78.3	50	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	783	50	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	1570	50	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	391	50	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	31300	50	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*98*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*101*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*99*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*94*		*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	439	1	SW846 8270C	04-Feb-09	05-Feb-09	9020254	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	439	1	"	"	"	"	X
62-53-3	Aniline	BRL		µg/kg dry	439	1	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	439	1	"	"	"	"	X
1912-24-9	Atrazine	BRL		µg/kg dry	439	1	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/kg dry	439	1	"	"	"	"	
92-87-5	Benzidine	BRL		µg/kg dry	439	1	"	"	"	"	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	439	1	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	439	1	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	439	1	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	439	1	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	439	1	"	"	"	"	X
65-85-0	Benzoic acid	BRL		µg/kg dry	439	1	"	"	"	"	X
100-51-6	Benzyl alcohol	BRL		µg/kg dry	439	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C1	127-17797-08011	Soil	30-Jan-09 13:30	02-Feb-09
SA90545-01				

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	439	1	SW846 8270C	04-Feb-09	05-Feb-09	9020254	X
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/kg dry	439	1	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	439	1	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	439	1	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/kg dry	439	1	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	BRL		µg/kg dry	439	1	"	"	"	"	X
86-74-8	Carbazole	BRL		µg/kg dry	439	1	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	BRL		µg/kg dry	439	1	"	"	"	"	X
106-47-8	4-Chloroaniline	BRL		µg/kg dry	439	1	"	"	"	"	X
91-58-7	2-Chloronaphthalene	BRL		µg/kg dry	439	1	"	"	"	"	X
95-57-8	2-Chlorophenol	BRL		µg/kg dry	439	1	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/kg dry	439	1	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	439	1	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	439	1	"	"	"	"	X
132-64-9	Dibenzofuran	BRL		µg/kg dry	439	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	439	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	439	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	439	1	"	"	"	"	X
91-94-1	3,3'-Dichlorobenzidine	BRL		µg/kg dry	439	1	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	BRL		µg/kg dry	439	1	"	"	"	"	X
84-66-2	Diethyl phthalate	BRL		µg/kg dry	439	1	"	"	"	"	X
131-11-3	Dimethyl phthalate	BRL		µg/kg dry	439	1	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	BRL		µg/kg dry	439	1	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	BRL		µg/kg dry	439	1	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	439	1	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	BRL		µg/kg dry	439	1	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	BRL		µg/kg dry	439	1	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	BRL		µg/kg dry	439	1	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	BRL		µg/kg dry	439	1	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	439	1	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	439	1	"	"	"	"	X
118-74-1	Hexachlorobenzene	BRL		µg/kg dry	439	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	439	1	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	BRL		µg/kg dry	439	1	"	"	"	"	X
67-72-1	Hexachloroethane	BRL		µg/kg dry	439	1	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	439	1	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	439	1	"	"	"	"	
78-59-1	Isophorone	BRL		µg/kg dry	439	1	"	"	"	"	X
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	439	1	"	"	"	"	X
95-48-7	2-Methylphenol	BRL		µg/kg dry	439	1	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	BRL		µg/kg dry	439	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	439	1	"	"	"	"	X
88-74-4	2-Nitroaniline	BRL		µg/kg dry	439	1	"	"	"	"	X
99-09-2	3-Nitroaniline	BRL		µg/kg dry	439	1	"	"	"	"	X
100-01-6	4-Nitroaniline	BRL		µg/kg dry	1760	1	"	"	"	"	X
98-95-3	Nitrobenzene	BRL		µg/kg dry	439	1	"	"	"	"	X
88-75-5	2-Nitrophenol	BRL		µg/kg dry	439	1	"	"	"	"	X
100-02-7	4-Nitrophenol	BRL		µg/kg dry	1760	1	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	BRL		µg/kg dry	439	1	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/kg dry	439	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C1 SA90545-01	127-17797-08011	Soil	30-Jan-09 13:30	02-Feb-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	439	1	SW846 8270C	04-Feb-09	05-Feb-09	9020254	X
87-86-5	Pentachlorophenol	BRL		µg/kg dry	439	1	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	439	1	"	"	"	"	X
108-95-2	Phenol	BRL		µg/kg dry	439	1	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	439	1	"	"	"	"	X
110-86-1	Pyridine	BRL		µg/kg dry	439	1	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	439	1	"	"	"	"	X
95-95-4	2,4,5-Trichlorophenol	BRL		µg/kg dry	439	1	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	BRL		µg/kg dry	439	1	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	BRL		µg/kg dry	439	1	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	439	1	"	"	"	"	X
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*51*		*30-130 %*			"	"	"	"	
367-12-4	*2-Fluorophenol*	*44*		*15-110 %*			"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*45*		*30-130 %*			"	"	"	"	
4165-62-2	*Phenol-d5*	*49*		*15-110 %*			"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*50*		*30-130 %*			"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*45*		*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	26.8	1	SW846 8082	04-Feb-09	06-Feb-09	9020260	X
11104-28-2	PCB 1221	BRL		µg/kg dry	26.8	1	"	"	"	"	X
11141-16-5	PCB 1232	BRL		µg/kg dry	26.8	1	"	"	"	"	X
53469-21-9	PCB 1242	BRL		µg/kg dry	26.8	1	"	"	"	"	X
12672-29-6	PCB 1248	BRL		µg/kg dry	26.8	1	"	"	"	"	X
11097-69-1	PCB 1254	BRL		µg/kg dry	26.8	1	"	"	"	"	X
11096-82-5	PCB 1260	BRL		µg/kg dry	26.8	1	"	"	"	"	X
37324-23-5	PCB 1262	BRL		µg/kg dry	26.8	1	"	"	"	"	X
11100-14-4	PCB 1268	BRL		µg/kg dry	26.8	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*96*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*68*		*30-150 %*			"	"	"	"	
Chlorinated Herbicides by SW846 8151A											
Prepared by method SW846 3550B											
93-76-5	2,4,5-T	BRL		µg/kg dry	6.70	1	SW846 8151A	04-Feb-09	05-Feb-09	9020246	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											

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-C1	127-17797-08011	Soil	30-Jan-09 13:30	02-Feb-09
SA90545-01				

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	17.7	1	+CT ETPH	04-Feb-09	06-Feb-09	9020252	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	17.7	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	17.7	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	17.7	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	17.7	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	17.7	1	"	"	"	"	
	Unidentified	BRL		mg/kg dry	17.7	1	"	"	"	"	
	Other Oil	BRL		mg/kg dry	17.7	1	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL		mg/kg dry	17.7	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	17.7	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*74*		*50-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	BRL		mg/kg dry	1.84	1	SW846 6010B	03-Feb-09	04-Feb-09	9020164	X
7440-38-2	Arsenic	4.67		mg/kg dry	1.84	1	"	"	"	"	X
7440-39-3	Barium	75.6		mg/kg dry	1.23	1	"	"	"	"	X
7440-43-9	Cadmium	BRL		mg/kg dry	0.615	1	"	"	"	"	X
7440-47-3	Chromium	8.45		mg/kg dry	1.23	1	"	"	"	"	X
7439-97-6	Mercury	0.180		mg/kg dry	0.0393	1	SW846 7471A	"	05-Feb-09	9020165	X
7439-92-1	Lead	76.9		mg/kg dry	1.84	1	SW846 6010B	"	04-Feb-09	9020164	X
7782-49-2	Selenium	BRL		mg/kg dry	1.84	1	"	"	"	"	X
General Chemistry Parameters											
	% Solids	73.8		%		1	SM2540 G Mod.	03-Feb-09	03-Feb-09	9020214	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C2 SA90545-02	127-17797-08011	Soil	30-Jan-09 13:00	02-Feb-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	03-Feb-09	03-Feb-09	9020207	
Volatile Organic Compounds						Initial weight: 5.46 g					
Prepared by method SW846 5035A Soil (low level)											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	7.4	1	SW846 8260B	05-Feb-09	05-Feb-09	9020391	X
67-64-1	Acetone	BRL		µg/kg dry	74.1	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	7.4	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	7.4	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	7.4	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	7.4	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	14.8	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	74.1	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	37.0	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	7.4	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	14.8	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	7.4	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	14.8	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	14.8	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	7.4	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	7.4	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	7.4	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	1,680	E	µg/kg dry	14.8	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	7.4	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	7.4	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	7.4	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	7.4	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	7.4	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	74.1	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	7.4	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	74.1	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	74.1	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	7.4	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C2	127-17797-08011	Soil	30-Jan-09 13:00	02-Feb-09
SA90545-02				

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: 5.46 g						
103-65-1	n-Propylbenzene	BRL		µg/kg dry	7.4	1	SW846 8260B	05-Feb-09	05-Feb-09	9020391	X
100-42-5	Styrene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	7.4	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	7.4	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	7.4	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	7.4	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	7.4	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	7.4	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	7.4	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	7.4	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	7.4	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	14.8	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	74.1	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	7.4	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	7.4	1	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	7.4	1	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	7.4	1	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	74.1	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	148	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	37.0	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	2960	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*89*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*100*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*122*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*110*		*70-130 %*			"	"	"	"	
Re-analysis of Volatile Organic Compounds											
75-71-8	Dichlorodifluoromethane (Freon12)	9,760		µg/kg dry	133	50	SW846 8260B	06-Feb-09	06-Feb-09	9020520	X
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*97*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*102*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*103*		*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	421	1	SW846 8270C	04-Feb-09	05-Feb-09	9020254	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	421	1	"	"	"	"	X
62-53-3	Aniline	BRL		µg/kg dry	421	1	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	421	1	"	"	"	"	X
1912-24-9	Atrazine	BRL		µg/kg dry	421	1	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/kg dry	421	1	"	"	"	"	
92-87-5	Benzidine	BRL		µg/kg dry	421	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C2 SA90545-02	127-17797-08011	Soil	30-Jan-09 13:00	02-Feb-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	421	1	SW846 8270C	04-Feb-09	05-Feb-09	9020254	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	421	1	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	421	1	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	421	1	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	421	1	"	"	"	"	X
65-85-0	Benzoic acid	BRL		µg/kg dry	421	1	"	"	"	"	X
100-51-6	Benzyl alcohol	BRL		µg/kg dry	421	1	"	"	"	"	X
111-91-1	Bis(2-chloroethoxy)methane	BRL		µg/kg dry	421	1	"	"	"	"	X
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/kg dry	421	1	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	421	1	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	421	1	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/kg dry	421	1	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	BRL		µg/kg dry	421	1	"	"	"	"	X
86-74-8	Carbazole	BRL		µg/kg dry	421	1	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	BRL		µg/kg dry	421	1	"	"	"	"	X
106-47-8	4-Chloroaniline	BRL		µg/kg dry	421	1	"	"	"	"	X
91-58-7	2-Chloronaphthalene	BRL		µg/kg dry	421	1	"	"	"	"	X
95-57-8	2-Chlorophenol	BRL		µg/kg dry	421	1	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/kg dry	421	1	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	421	1	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	421	1	"	"	"	"	X
132-64-9	Dibenzofuran	BRL		µg/kg dry	421	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	421	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	421	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	421	1	"	"	"	"	X
91-94-1	3,3'-Dichlorobenzidine	BRL		µg/kg dry	421	1	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	BRL		µg/kg dry	421	1	"	"	"	"	X
84-66-2	Diethyl phthalate	BRL		µg/kg dry	421	1	"	"	"	"	X
131-11-3	Dimethyl phthalate	BRL		µg/kg dry	421	1	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	BRL		µg/kg dry	421	1	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	BRL		µg/kg dry	421	1	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	421	1	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	BRL		µg/kg dry	421	1	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	BRL		µg/kg dry	421	1	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	BRL		µg/kg dry	421	1	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	BRL		µg/kg dry	421	1	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	421	1	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	421	1	"	"	"	"	X
118-74-1	Hexachlorobenzene	BRL		µg/kg dry	421	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	421	1	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	BRL		µg/kg dry	421	1	"	"	"	"	X
67-72-1	Hexachloroethane	BRL		µg/kg dry	421	1	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	421	1	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	421	1	"	"	"	"	
78-59-1	Isophorone	BRL		µg/kg dry	421	1	"	"	"	"	X
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	421	1	"	"	"	"	X
95-48-7	2-Methylphenol	BRL		µg/kg dry	421	1	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	BRL		µg/kg dry	421	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	421	1	"	"	"	"	X
88-74-4	2-Nitroaniline	BRL		µg/kg dry	421	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C2	127-17797-08011	Soil	30-Jan-09 13:00	02-Feb-09
SA90545-02				

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											
99-09-2	3-Nitroaniline	BRL		µg/kg dry	421	1	SW846 8270C	04-Feb-09	05-Feb-09	9020254	X
100-01-6	4-Nitroaniline	BRL		µg/kg dry	1690	1	"	"	"	"	X
98-95-3	Nitrobenzene	BRL		µg/kg dry	421	1	"	"	"	"	X
88-75-5	2-Nitrophenol	BRL		µg/kg dry	421	1	"	"	"	"	X
100-02-7	4-Nitrophenol	BRL		µg/kg dry	1690	1	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	BRL		µg/kg dry	421	1	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/kg dry	421	1	"	"	"	"	X
86-30-6	N-Nitrosodiphenylamine	BRL		µg/kg dry	421	1	"	"	"	"	X
87-86-5	Pentachlorophenol	BRL		µg/kg dry	421	1	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	421	1	"	"	"	"	X
108-95-2	Phenol	BRL		µg/kg dry	421	1	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	421	1	"	"	"	"	X
110-86-1	Pyridine	BRL		µg/kg dry	421	1	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	421	1	"	"	"	"	X
95-95-4	2,4,5-Trichlorophenol	BRL		µg/kg dry	421	1	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	BRL		µg/kg dry	421	1	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	BRL		µg/kg dry	421	1	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	421	1	"	"	"	"	X
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*57*		*30-130 %*			"	"	"	"	
367-12-4	*2-Fluorophenol*	*52*		*15-110 %*			"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*51*		*30-130 %*			"	"	"	"	
4165-62-2	*Phenol-d5*	*55*		*15-110 %*			"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*52*		*30-130 %*			"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*47*		*15-110 %*			"	"	"	"	
Semivolatile Organic Compounds by GC											
Polychlorinated Biphenyls by SW846 8082											
Prepared by method SW846 3545A											
12674-11-2	PCB 1016	BRL		µg/kg dry	25.3	1	SW846 8082	04-Feb-09	06-Feb-09	9020260	X
11104-28-2	PCB 1221	BRL		µg/kg dry	25.3	1	"	"	"	"	X
11141-16-5	PCB 1232	BRL		µg/kg dry	25.3	1	"	"	"	"	X
53469-21-9	PCB 1242	BRL		µg/kg dry	25.3	1	"	"	"	"	X
12672-29-6	PCB 1248	BRL		µg/kg dry	25.3	1	"	"	"	"	X
11097-69-1	PCB 1254	BRL		µg/kg dry	25.3	1	"	"	"	"	X
11096-82-5	PCB 1260	BRL		µg/kg dry	25.3	1	"	"	"	"	X
37324-23-5	PCB 1262	BRL		µg/kg dry	25.3	1	"	"	"	"	X
11100-14-4	PCB 1268	BRL		µg/kg dry	25.3	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*97*		*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	04-Feb-09	05-Feb-09	9020246	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-C2 SA90545-02	127-17797-08011	Soil	30-Jan-09 13:00	02-Feb-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	04-Feb-09	05-Feb-09	9020246	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)*	*83*		*30-150 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3550B											
8006-61-9	Gasoline	BRL		mg/kg dry	17.0	1	+CT ETPH	04-Feb-09	06-Feb-09	9020252	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	17.0	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	17.0	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	17.0	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	17.0	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	17.0	1	"	"	"	"	
	Unidentified	BRL		mg/kg dry	17.0	1	"	"	"	"	
	Other Oil	BRL		mg/kg dry	17.0	1	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL		mg/kg dry	17.0	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	17.0	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*71*		*50-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	BRL		mg/kg dry	1.93	1	SW846 6010B	03-Feb-09	04-Feb-09	9020164	X
7440-38-2	Arsenic	5.02		mg/kg dry	1.93	1	"	"	"	"	X
7440-39-3	Barium	60.1		mg/kg dry	1.29	1	"	"	"	"	X
7440-43-9	Cadmium	0.683		mg/kg dry	0.644	1	"	"	"	"	X
7440-47-3	Chromium	7.41		mg/kg dry	1.29	1	"	"	"	"	X
7439-97-6	Mercury	0.367		mg/kg dry	0.0356	1	SW846 7471A	"	05-Feb-09	9020165	X
7439-92-1	Lead	107		mg/kg dry	1.93	1	SW846 6010B	"	04-Feb-09	9020164	X
7782-49-2	Selenium	BRL		mg/kg dry	1.93	1	"	"	"	"	X
TCLP Metals by EPA 1311 & 6000/7000 Series Methods											
	TCLP Extraction	Completed		N/A		1	SW846 1311	10-Feb-09	10-Feb-09	9020757	X
7439-92-1	Lead	BRL		mg/l	0.0150	1	SW846 1311/6010B	11-Feb-09	11-Feb-09	9020765	X
General Chemistry Parameters											
	% Solids	77.2		%		1	SM2540 G Mod.	03-Feb-09	03-Feb-09	9020214	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C3	127-17797-08011	Soil	30-Jan-09 11:30	02-Feb-09
SA90545-03				

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	03-Feb-09	03-Feb-09	9020207	
Volatile Organic Compounds											
Prepared by method SW846 5035A Soil (low level)						Initial weight: 5.12 g					
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	7.3	1	SW846 8260B	05-Feb-09	05-Feb-09	9020391	X
67-64-1	Acetone	BRL		µg/kg dry	73.4	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	7.3	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	7.3	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	7.3	1	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	7.3	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	7.3	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	7.3	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	14.7	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	73.4	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	7.3	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	7.3	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	7.3	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	36.7	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	7.3	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	7.3	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	14.7	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	7.3	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	14.7	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	7.3	1	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	7.3	1	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	14.7	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	7.3	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	7.3	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	7.3	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	7.3	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	7.3	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	7.3	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	2,100	E	µg/kg dry	14.7	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	7.3	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	7.3	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	7.3	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	7.3	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	7.3	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	7.3	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	7.3	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	7.3	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	7.3	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	7.3	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	7.3	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	7.3	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	7.3	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	73.4	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	7.3	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	7.3	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	7.3	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	73.4	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	73.4	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	7.3	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C3	127-17797-08011	Soil	30-Jan-09 11:30	02-Feb-09
SA90545-03				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
Volatile Organic Compounds						Initial weight: 5.12 g					
Prepared by method SW846 5035A Soil (low level)											
103-65-1	n-Propylbenzene	BRL		µg/kg dry	7.3	1	SW846 8260B	05-Feb-09	05-Feb-09	9020391	X
100-42-5	Styrene	BRL		µg/kg dry	7.3	1	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	7.3	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	7.3	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	7.3	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	7.3	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	7.3	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	7.3	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	7.3	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	7.3	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	7.3	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	7.3	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	7.3	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	7.3	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	7.3	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	7.3	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	7.3	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	14.7	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	7.3	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	73.4	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	7.3	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	7.3	1	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	7.3	1	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	7.3	1	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	73.4	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	147	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	36.7	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	2940	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*89*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*99*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*127*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*110*		*70-130 %*			"	"	"	"	
Re-analysis of Volatile Organic Compounds											
75-71-8	Dichlorodifluoromethane (Freon12)	3,100		µg/kg dry	144	50	SW846 8260B	06-Feb-09	07-Feb-09	9020520	X
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*95*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*101*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*105*		*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	407	1	SW846 8270C	04-Feb-09	05-Feb-09	9020254	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

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C3	127-17797-08011	Soil	30-Jan-09 11:30	02-Feb-09
SA90545-03				

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											
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	407	1	SW846 8270C	04-Feb-09	05-Feb-09	9020254	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
100-51-6	Benzyl alcohol	BRL		µg/kg dry	407	1	"	"	"	"	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	BRL		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	BRL		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

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C3 SA90545-03	127-17797-08011	Soil	30-Jan-09 11:30	02-Feb-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	407	1	SW846 8270C	04-Feb-09	05-Feb-09	9020254	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
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/kg dry	407	1	"	"	"	"	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	BRL		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*	*51*		*30-130 %*			"	"	"	"	
367-12-4	*2-Fluorophenol*	*46*		*15-110 %*			"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*45*		*30-130 %*			"	"	"	"	
4165-62-2	*Phenol-d5*	*50*		*15-110 %*			"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*47*		*30-130 %*			"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*42*		*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	24.9	1	SW846 8082	04-Feb-09	06-Feb-09	9020260	X
11104-28-2	PCB 1221	BRL		µg/kg dry	24.9	1	"	"	"	"	X
11141-16-5	PCB 1232	BRL		µg/kg dry	24.9	1	"	"	"	"	X
53469-21-9	PCB 1242	BRL		µg/kg dry	24.9	1	"	"	"	"	X
12672-29-6	PCB 1248	BRL		µg/kg dry	24.9	1	"	"	"	"	X
11097-69-1	PCB 1254	BRL		µg/kg dry	24.9	1	"	"	"	"	X
11096-82-5	PCB 1260	BRL		µg/kg dry	24.9	1	"	"	"	"	X
37324-23-5	PCB 1262	BRL		µg/kg dry	24.9	1	"	"	"	"	X
11100-14-4	PCB 1268	BRL		µg/kg dry	24.9	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*87*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*63*		*30-150 %*			"	"	"	"	
Chlorinated Herbicides by SW846 8151A											
Prepared by method SW846 3550B											
93-76-5	2,4,5-T	BRL		µg/kg dry	6.70	1	SW846 8151A	04-Feb-09	05-Feb-09	9020246	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-C3	127-17797-08011	Soil	30-Jan-09 11:30	02-Feb-09
SA90545-03				

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	04-Feb-09	05-Feb-09	9020246	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)*	*83*		*30-150 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3550B											
8006-61-9	Gasoline	BRL		mg/kg dry	16.4	1	+CT ETPH	04-Feb-09	06-Feb-09	9020252	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	16.4	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	16.4	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	16.4	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	16.4	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	16.4	1	"	"	"	"	
	Unidentified	32.6		mg/kg dry	16.4	1	"	"	"	"	
	Other Oil	Calculated as		mg/kg dry	16.4	1	"	"	"	"	
	Total Petroleum Hydrocarbons	32.6		mg/kg dry	16.4	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	32.6		mg/kg dry	16.4	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*65*		*50-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	BRL		mg/kg dry	1.75	1	SW846 6010B	03-Feb-09	04-Feb-09	9020164	X
7440-38-2	Arsenic	4.93		mg/kg dry	1.75	1	"	"	"	"	X
7440-39-3	Barium	62.6		mg/kg dry	1.17	1	"	"	"	"	X
7440-43-9	Cadmium	0.810		mg/kg dry	0.583	1	"	"	"	"	X
7440-47-3	Chromium	6.79		mg/kg dry	1.17	1	"	"	"	"	X
7439-97-6	Mercury	0.190		mg/kg dry	0.0344	1	SW846 7471A	"	05-Feb-09	9020165	X
7439-92-1	Lead	120		mg/kg dry	1.75	1	SW846 6010B	"	04-Feb-09	9020164	X
7782-49-2	Selenium	BRL		mg/kg dry	1.75	1	"	"	"	"	X
TCLP Metals by EPA 1311 & 6000/7000 Series Methods											
	TCLP Extraction	Completed		N/A		1	SW846 1311	10-Feb-09	10-Feb-09	9020757	X
7439-92-1	Lead	BRL		mg/l	0.0150	1	SW846 1311/6010B	11-Feb-09	11-Feb-09	9020765	X
General Chemistry Parameters											
	% Solids	80.1		%		1	SM2540 G Mod.	03-Feb-09	03-Feb-09	9020214	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C4 SA90545-04	127-17797-08011	Soil	30-Jan-09 10:15	02-Feb-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	03-Feb-09	03-Feb-09	9020207	
Volatile Organic Compounds						Initial weight: 15.66 g					
Prepared by method SW846 5030 Soil (high level)											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	69.5	50	SW846 8260B	06-Feb-09	07-Feb-09	9020520	X
67-64-1	Acetone	BRL		µg/kg dry	695	50	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	69.5	50	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	69.5	50	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	69.5	50	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	69.5	50	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	69.5	50	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	69.5	50	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	139	50	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	695	50	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	69.5	50	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	69.5	50	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	69.5	50	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	347	50	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	69.5	50	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	69.5	50	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	139	50	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	69.5	50	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	139	50	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	69.5	50	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	69.5	50	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	139	50	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	69.5	50	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	69.5	50	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	69.5	50	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	69.5	50	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	69.5	50	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	69.5	50	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	15,100	E	µg/kg dry	139	50	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	69.5	50	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	69.5	50	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	69.5	50	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	69.5	50	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	69.5	50	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	69.5	50	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	69.5	50	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	69.5	50	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	69.5	50	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	69.5	50	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	69.5	50	"	"	"	"	X
100-41-4	Ethylbenzene	78.5		µg/kg dry	69.5	50	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	69.5	50	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	695	50	"	"	"	"	X
98-82-8	Isopropylbenzene	77.8		µg/kg dry	69.5	50	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	69.5	50	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	69.5	50	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	695	50	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	695	50	"	"	"	"	X
91-20-3	Naphthalene	69.5		µg/kg dry	69.5	50	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C4	127-17797-08011	Soil	30-Jan-09 10:15	02-Feb-09
SA90545-04				

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)					Initial weight: 15.66 g						
103-65-1	n-Propylbenzene	79.2		µg/kg dry	69.5	50	SW846 8260B	06-Feb-09	07-Feb-09	9020520	X
100-42-5	Styrene	BRL		µg/kg dry	69.5	50	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	69.5	50	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	69.5	50	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	69.5	50	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	69.5	50	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	69.5	50	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	69.5	50	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	69.5	50	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	69.5	50	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	69.5	50	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	69.5	50	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	69.5	50	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	69.5	50	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	160		µg/kg dry	69.5	50	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	69.5	50	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	69.5	50	"	"	"	"	X
179601-23-1	m,p-Xylene	275		µg/kg dry	139	50	"	"	"	"	X
95-47-6	o-Xylene	267		µg/kg dry	69.5	50	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	695	50	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	69.5	50	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	69.5	50	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	69.5	50	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	69.5	50	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	695	50	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	1390	50	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	347	50	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	27800	50	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*98*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*101*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*107*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*95*		*70-130 %*			"	"	"	"	
Re-analysis of Volatile Organic Compounds											
75-71-8	Dichlorodifluoromethane (Freon12)	4,790		µg/kg dry	278	100	SW846 8260B	09-Feb-09	09-Feb-09	9020592	X
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*100*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*103*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*103*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*96*		*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	399	1	SW846 8270C	04-Feb-09	05-Feb-09	9020254	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

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C4 SA90545-04	127-17797-08011	Soil	30-Jan-09 10:15	02-Feb-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	1,040		µg/kg dry	399	1	SW846 8270C	04-Feb-09	05-Feb-09	9020254	X
50-32-8	Benzo (a) pyrene	973		µg/kg dry	399	1	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	1,210		µg/kg dry	399	1	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	448		µg/kg dry	399	1	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	1,180		µg/kg dry	399	1	"	"	"	"	X
65-85-0	Benzoic acid	BRL		µg/kg dry	399	1	"	"	"	"	X
100-51-6	Benzyl alcohol	BRL		µg/kg dry	399	1	"	"	"	"	X
111-91-1	Bis(2-chloroethoxy)methane	BRL		µg/kg dry	399	1	"	"	"	"	X
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/kg dry	399	1	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	399	1	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	399	1	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/kg dry	399	1	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	BRL		µg/kg dry	399	1	"	"	"	"	X
86-74-8	Carbazole	BRL		µg/kg dry	399	1	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	BRL		µg/kg dry	399	1	"	"	"	"	X
106-47-8	4-Chloroaniline	BRL		µg/kg dry	399	1	"	"	"	"	X
91-58-7	2-Chloronaphthalene	BRL		µg/kg dry	399	1	"	"	"	"	X
95-57-8	2-Chlorophenol	BRL		µg/kg dry	399	1	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/kg dry	399	1	"	"	"	"	X
218-01-9	Chrysene	1,280		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	2,200		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	545		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

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C4	127-17797-08011	Soil	30-Jan-09 10:15	02-Feb-09
SA90545-04				

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	399	1	SW846 8270C	04-Feb-09	05-Feb-09	9020254	X
100-01-6	4-Nitroaniline	BRL		µg/kg dry	1600	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	1600	1	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	BRL		µg/kg dry	399	1	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/kg dry	399	1	"	"	"	"	X
86-30-6	N-Nitrosodiphenylamine	BRL		µg/kg dry	399	1	"	"	"	"	X
87-86-5	Pentachlorophenol	BRL		µg/kg dry	399	1	"	"	"	"	X
85-01-8	Phenanthrene	920		µg/kg dry	399	1	"	"	"	"	X
108-95-2	Phenol	BRL		µg/kg dry	399	1	"	"	"	"	X
129-00-0	Pyrene	1,750		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*	*56*		*30-130 %*			"	"	"	"	
367-12-4	*2-Fluorophenol*	*48*		*15-110 %*			"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*52*		*30-130 %*			"	"	"	"	
4165-62-2	*Phenol-d5*	*50*		*15-110 %*			"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*53*		*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	24.4	1	SW846 8082	04-Feb-09	06-Feb-09	9020260	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	BRL		µg/kg dry	24.4	1	"	"	"	"	X
11096-82-5	PCB 1260	BRL		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)*	*88*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*57*		*30-150 %*			"	"	"	"	
Chlorinated Herbicides by SW846 8151A											
Prepared by method SW846 3550B											
93-76-5	2,4,5-T	BRL		µg/kg dry	6.70	1	SW846 8151A	04-Feb-09	05-Feb-09	9020246	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-C4 SA90545-04	127-17797-08011	Soil	30-Jan-09 10:15	02-Feb-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	04-Feb-09	05-Feb-09	9020246	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											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3550B											
8006-61-9	Gasoline	BRL		mg/kg dry	16.1	1	+CT ETPH	04-Feb-09	06-Feb-09	9020252	
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	140		mg/kg dry	16.1	1	"	"	"	"	
	Other Oil	Calculated as		mg/kg dry	16.1	1	"	"	"	"	
	Total Petroleum Hydrocarbons	140		mg/kg dry	16.1	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	140		mg/kg dry	16.1	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	1.72	1	SW846 6010B	03-Feb-09	04-Feb-09	9020164	X
7440-38-2	Arsenic	16.5		mg/kg dry	1.72	1	"	"	"	"	X
7440-39-3	Barium	87.0		mg/kg dry	1.14	1	"	"	"	"	X
7440-43-9	Cadmium	1.15		mg/kg dry	0.572	1	"	"	"	"	X
7440-47-3	Chromium	10.7		mg/kg dry	1.14	1	"	"	"	"	X
7439-97-6	Mercury	0.329		mg/kg dry	0.0344	1	SW846 7471A	"	05-Feb-09	9020165	X
7439-92-1	Lead	228		mg/kg dry	1.72	1	SW846 6010B	"	04-Feb-09	9020164	X
7782-49-2	Selenium	BRL		mg/kg dry	1.72	1	"	"	"	"	X
TCLP Metals by EPA 1311 & 6000/7000 Series Methods											
	TCLP Extraction	Completed		N/A		1	SW846 1311	10-Feb-09	10-Feb-09	9020757	X
7439-92-1	Lead	0.0348		mg/l	0.0150	1	SW846 1311/6010B	11-Feb-09	11-Feb-09	9020765	X
SPLP Metals by EPA 1312 & 6000/7000 Series Methods											
	SPLP Extraction	Completed		N/A		1	SW846 1312	10-Feb-09	10-Feb-09	9020759	
7440-38-2	Arsenic	BRL		mg/l	0.0080	1	SW846 1312/6010B	11-Feb-09	12-Feb-09	9020768	
7440-43-9	Cadmium	BRL		mg/l	0.0050	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	81.9		%		1	SM2540 G Mod.	03-Feb-09	03-Feb-09	9020214	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C5	127-17797-08011	Soil	30-Jan-09 09:00	02-Feb-09
SA90545-05				

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	03-Feb-09	03-Feb-09	9020207	
Volatile Organic Compounds											
Prepared by method SW846 5035A Soil (low level)						Initial weight: 5.68 g					
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	6.3	1	SW846 8260B	05-Feb-09	05-Feb-09	9020391	X
67-64-1	Acetone	BRL		µg/kg dry	62.8	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	6.3	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	6.3	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	6.3	1	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	6.3	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	6.3	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	6.3	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	12.6	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	62.8	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	6.3	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	6.3	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	6.3	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	31.4	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	6.3	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	6.3	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	12.6	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	6.3	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	12.6	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	6.3	1	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	6.3	1	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	12.6	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	6.3	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	6.3	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	6.3	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	6.3	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	6.3	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	6.3	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	12.6	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	6.3	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	6.3	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	6.3	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	6.3	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	6.3	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	6.3	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	6.3	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	6.3	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	6.3	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	6.3	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	6.3	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	6.3	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	6.3	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	62.8	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	6.3	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	6.3	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	6.3	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	62.8	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	62.8	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	6.3	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C5 SA90545-05	127-17797-08011	Soil	30-Jan-09 09:00	02-Feb-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
Volatile Organic Compounds						Initial weight: 5.68 g					
Prepared by method SW846 5035A Soil (low level)											
103-65-1	n-Propylbenzene	BRL		µg/kg dry	6.3	1	SW846 8260B	05-Feb-09	05-Feb-09	9020391	X
100-42-5	Styrene	BRL		µg/kg dry	6.3	1	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	6.3	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	6.3	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	6.3	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	6.3	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	6.3	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	6.3	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	6.3	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	6.3	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	6.3	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	6.3	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	6.3	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	6.3	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	6.3	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	6.3	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	6.3	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	12.6	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	6.3	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	62.8	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	6.3	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	6.3	1	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	6.3	1	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	6.3	1	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	62.8	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	126	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	31.4	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	2510	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*92*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*101*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*128*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*104*		*70-130 %*			"	"	"	"	
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
83-32-9	Acenaphthene	BRL		µg/kg dry	394	1	SW846 8270C	04-Feb-09	05-Feb-09	9020254	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	394	1	"	"	"	"	X
62-53-3	Aniline	BRL		µg/kg dry	394	1	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	394	1	"	"	"	"	X
1912-24-9	Atrazine	BRL		µg/kg dry	394	1	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/kg dry	394	1	"	"	"	"	
92-87-5	Benzidine	BRL		µg/kg dry	394	1	"	"	"	"	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	394	1	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	394	1	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	394	1	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	394	1	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	394	1	"	"	"	"	X
65-85-0	Benzoic acid	BRL		µg/kg dry	394	1	"	"	"	"	X
100-51-6	Benzyl alcohol	BRL		µg/kg dry	394	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C5	127-17797-08011	Soil	30-Jan-09 09:00	02-Feb-09
SA90545-05				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
111-91-1	Bis(2-chloroethoxy)methane	BRL		µg/kg dry	394	1	SW846 8270C	04-Feb-09	05-Feb-09	9020254	X
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/kg dry	394	1	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	394	1	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	394	1	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/kg dry	394	1	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	BRL		µg/kg dry	394	1	"	"	"	"	X
86-74-8	Carbazole	BRL		µg/kg dry	394	1	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	BRL		µg/kg dry	394	1	"	"	"	"	X
106-47-8	4-Chloroaniline	BRL		µg/kg dry	394	1	"	"	"	"	X
91-58-7	2-Chloronaphthalene	BRL		µg/kg dry	394	1	"	"	"	"	X
95-57-8	2-Chlorophenol	BRL		µg/kg dry	394	1	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/kg dry	394	1	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	394	1	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	394	1	"	"	"	"	X
132-64-9	Dibenzofuran	BRL		µg/kg dry	394	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	394	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	394	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	394	1	"	"	"	"	X
91-94-1	3,3'-Dichlorobenzidine	BRL		µg/kg dry	394	1	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	BRL		µg/kg dry	394	1	"	"	"	"	X
84-66-2	Diethyl phthalate	BRL		µg/kg dry	394	1	"	"	"	"	X
131-11-3	Dimethyl phthalate	BRL		µg/kg dry	394	1	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	BRL		µg/kg dry	394	1	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	BRL		µg/kg dry	394	1	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	394	1	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	BRL		µg/kg dry	394	1	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	BRL		µg/kg dry	394	1	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	BRL		µg/kg dry	394	1	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	BRL		µg/kg dry	394	1	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	394	1	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	394	1	"	"	"	"	X
118-74-1	Hexachlorobenzene	BRL		µg/kg dry	394	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	394	1	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	BRL		µg/kg dry	394	1	"	"	"	"	X
67-72-1	Hexachloroethane	BRL		µg/kg dry	394	1	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	394	1	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	394	1	"	"	"	"	
78-59-1	Isophorone	BRL		µg/kg dry	394	1	"	"	"	"	X
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	394	1	"	"	"	"	X
95-48-7	2-Methylphenol	BRL		µg/kg dry	394	1	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	BRL		µg/kg dry	394	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	394	1	"	"	"	"	X
88-74-4	2-Nitroaniline	BRL		µg/kg dry	394	1	"	"	"	"	X
99-09-2	3-Nitroaniline	BRL		µg/kg dry	394	1	"	"	"	"	X
100-01-6	4-Nitroaniline	BRL		µg/kg dry	1580	1	"	"	"	"	X
98-95-3	Nitrobenzene	BRL		µg/kg dry	394	1	"	"	"	"	X
88-75-5	2-Nitrophenol	BRL		µg/kg dry	394	1	"	"	"	"	X
100-02-7	4-Nitrophenol	BRL		µg/kg dry	1580	1	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	BRL		µg/kg dry	394	1	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/kg dry	394	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C5	127-17797-08011	Soil	30-Jan-09 09:00	02-Feb-09
SA90545-05				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
86-30-6	N-Nitrosodiphenylamine	BRL		µg/kg dry	394	1	SW846 8270C	04-Feb-09	05-Feb-09	9020254	X
87-86-5	Pentachlorophenol	BRL		µg/kg dry	394	1	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	394	1	"	"	"	"	X
108-95-2	Phenol	BRL		µg/kg dry	394	1	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	394	1	"	"	"	"	X
110-86-1	Pyridine	BRL		µg/kg dry	394	1	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	394	1	"	"	"	"	X
95-95-4	2,4,5-Trichlorophenol	BRL		µg/kg dry	394	1	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	BRL		µg/kg dry	394	1	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	BRL		µg/kg dry	394	1	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	394	1	"	"	"	"	X
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*55*		*30-130 %*			"	"	"	"	
367-12-4	*2-Fluorophenol*	*46*		*15-110 %*			"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*50*		*30-130 %*			"	"	"	"	
4165-62-2	*Phenol-d5*	*55*		*15-110 %*			"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*50*		*30-130 %*			"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*49*		*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	23.4	1	SW846 8082	04-Feb-09	06-Feb-09	9020260	X
11104-28-2	PCB 1221	BRL		µg/kg dry	23.4	1	"	"	"	"	X
11141-16-5	PCB 1232	BRL		µg/kg dry	23.4	1	"	"	"	"	X
53469-21-9	PCB 1242	BRL		µg/kg dry	23.4	1	"	"	"	"	X
12672-29-6	PCB 1248	BRL		µg/kg dry	23.4	1	"	"	"	"	X
11097-69-1	PCB 1254	BRL		µg/kg dry	23.4	1	"	"	"	"	X
11096-82-5	PCB 1260	BRL		µg/kg dry	23.4	1	"	"	"	"	X
37324-23-5	PCB 1262	BRL		µg/kg dry	23.4	1	"	"	"	"	X
11100-14-4	PCB 1268	BRL		µg/kg dry	23.4	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*80*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*52*		*30-150 %*			"	"	"	"	
Chlorinated Herbicides by SW846 8151A											
Prepared by method SW846 3550B											
93-76-5	2,4,5-T	BRL		µg/kg dry	6.70	1	SW846 8151A	04-Feb-09	05-Feb-09	9020246	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)*	*85*		*30-150 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C5	127-17797-08011	Soil	30-Jan-09 09:00	02-Feb-09
SA90545-05				

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	15.9	1	+CT ETPH	04-Feb-09	06-Feb-09	9020252	
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	34.3		mg/kg dry	15.9	1	"	"	"	"	
	Other Oil	Calculated as		mg/kg dry	15.9	1	"	"	"	"	
	Total Petroleum Hydrocarbons	34.3		mg/kg dry	15.9	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	34.3		mg/kg dry	15.9	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*71*		*50-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	BRL		mg/kg dry	1.63	1	SW846 6010B	03-Feb-09	04-Feb-09	9020164	X
7440-38-2	Arsenic	4.85		mg/kg dry	1.63	1	"	"	"	"	X
7440-39-3	Barium	66.3		mg/kg dry	1.08	1	"	"	"	"	X
7440-43-9	Cadmium	0.547		mg/kg dry	0.542	1	"	"	"	"	X
7440-47-3	Chromium	9.07		mg/kg dry	1.08	1	"	"	"	"	X
7439-97-6	Mercury	0.218		mg/kg dry	0.0326	1	SW846 7471A	"	05-Feb-09	9020165	X
7439-92-1	Lead	61.1		mg/kg dry	1.63	1	SW846 6010B	"	04-Feb-09	9020164	X
7782-49-2	Selenium	BRL		mg/kg dry	1.63	1	"	"	"	"	X
General Chemistry Parameters											
	% Solids	83.3		%		1	SM2540 G Mod.	03-Feb-09	03-Feb-09	9020214	

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9020391 - SW846 5035A Soil (low level)										
Blank (9020391-BLK1)										
Prepared & Analyzed: 05-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 9020391 - SW846 5035A Soil (low level)										
Blank (9020391-BLK1)										
Prepared & Analyzed: 05-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	*51.4*		µg/kg wet		*50.0*		*103*	*70-130*		
Surrogate: Toluene-d8	*51.2*		µg/kg wet		*50.0*		*102*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*59.3*		µg/kg wet		*50.0*		*119*	*70-130*		
Surrogate: Dibromofluoromethane	*47.0*		µg/kg wet		*50.0*		*94*	*70-130*		
LCS (9020391-BS1)										
Prepared & Analyzed: 05-Feb-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	18.2		µg/kg wet		20.0		91	70-130		
Acetone	22.2		µg/kg wet		20.0		111	7.9-168		
Acrylonitrile	24.8		µg/kg wet		20.0		124	70-130		
Benzene	17.8		µg/kg wet		20.0		89	70-130		
Bromobenzene	19.8		µg/kg wet		20.0		99	70-130		
Bromochloromethane	20.0		µg/kg wet		20.0		100	70-130		
Bromodichloromethane	19.0		µg/kg wet		20.0		95	70-130		
Bromoform	20.2		µg/kg wet		20.0		101	70-130		
Bromomethane	20.9		µg/kg wet		20.0		105	50-134		
2-Butanone (MEK)	23.5		µg/kg wet		20.0		118	44.6-130		
n-Butylbenzene	19.0		µg/kg wet		20.0		95	70-130		
sec-Butylbenzene	19.0		µg/kg wet		20.0		95	70-130		
tert-Butylbenzene	18.9		µg/kg wet		20.0		94	70-130		
Carbon disulfide	16.4		µg/kg wet		20.0		82	70-130		
Carbon tetrachloride	16.1		µg/kg wet		20.0		80	70-130		
Chlorobenzene	18.7		µg/kg wet		20.0		93	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9020391 - SW846 5035A Soil (low level)										
LCS (9020391-BS1)										
Prepared & Analyzed: 05-Feb-09										
Chloroethane	18.0		µg/kg wet		20.0		90	59.2-130		
Chloroform	16.6		µg/kg wet		20.0		83	70-130		
Chloromethane	19.7		µg/kg wet		20.0		98	70-130		
2-Chlorotoluene	20.4		µg/kg wet		20.0		102	70-130		
4-Chlorotoluene	20.3		µg/kg wet		20.0		101	70-130		
1,2-Dibromo-3-chloropropane	22.0		µg/kg wet		20.0		110	70-130		
Dibromochloromethane	18.8		µg/kg wet		20.0		94	63.8-130		
1,2-Dibromoethane (EDB)	20.9		µg/kg wet		20.0		104	70-130		
Dibromomethane	19.8		µg/kg wet		20.0		99	70-130		
1,2-Dichlorobenzene	20.6		µg/kg wet		20.0		103	70-130		
1,3-Dichlorobenzene	21.4		µg/kg wet		20.0		107	70-130		
1,4-Dichlorobenzene	19.7		µg/kg wet		20.0		98	70-130		
Dichlorodifluoromethane (Freon12)	18.4		µg/kg wet		20.0		92	41.8-130		
1,1-Dichloroethane	17.6		µg/kg wet		20.0		88	70-130		
1,2-Dichloroethane	18.5		µg/kg wet		20.0		93	70-130		
1,1-Dichloroethene	17.5		µg/kg wet		20.0		88	70-130		
cis-1,2-Dichloroethene	17.7		µg/kg wet		20.0		89	70-130		
trans-1,2-Dichloroethene	16.0		µg/kg wet		20.0		80	70-130		
1,2-Dichloropropane	19.0		µg/kg wet		20.0		95	70-130		
1,3-Dichloropropane	19.2		µg/kg wet		20.0		96	70-130		
2,2-Dichloropropane	17.0		µg/kg wet		20.0		85	70-130		
1,1-Dichloropropene	16.7		µg/kg wet		20.0		83	70-130		
cis-1,3-Dichloropropene	20.7		µg/kg wet		20.0		103	70-130		
trans-1,3-Dichloropropene	22.2		µg/kg wet		20.0		111	70-130		
Ethylbenzene	17.4		µg/kg wet		20.0		87	70-130		
Hexachlorobutadiene	17.9		µg/kg wet		20.0		90	68.3-130		
2-Hexanone (MBK)	26.9	QC1	µg/kg wet		20.0		134	70-130		
Isopropylbenzene	15.8		µg/kg wet		20.0		79	70-130		
4-Isopropyltoluene	18.7		µg/kg wet		20.0		93	70-130		
Methyl tert-butyl ether	20.6		µg/kg wet		20.0		103	70-130		
4-Methyl-2-pentanone (MIBK)	27.0	QC1	µg/kg wet		20.0		135	53.1-132		
Methylene chloride	17.6		µg/kg wet		20.0		88	70-130		
Naphthalene	26.7	QC1	µg/kg wet		20.0		134	70-130		
n-Propylbenzene	18.5		µg/kg wet		20.0		92	70-130		
Styrene	19.4		µg/kg wet		20.0		97	70-130		
1,1,1,2-Tetrachloroethane	16.7		µg/kg wet		20.0		83	70-130		
1,1,2,2-Tetrachloroethane	20.7		µg/kg wet		20.0		104	70-130		
Tetrachloroethene	16.8		µg/kg wet		20.0		84	70-130		
Toluene	18.1		µg/kg wet		20.0		90	70-130		
1,2,3-Trichlorobenzene	21.5		µg/kg wet		20.0		108	70-130		
1,2,4-Trichlorobenzene	20.5		µg/kg wet		20.0		103	70-130		
1,3,5-Trichlorobenzene	20.8		µg/kg wet		20.0		104	70-130		
1,1,1-Trichloroethane	15.9		µg/kg wet		20.0		80	70-130		
1,1,2-Trichloroethane	20.0		µg/kg wet		20.0		100	70-130		
Trichloroethene	16.9		µg/kg wet		20.0		84	70-130		
Trichlorofluoromethane (Freon 11)	17.2		µg/kg wet		20.0		86	68.2-130		
1,2,3-Trichloropropane	24.1		µg/kg wet		20.0		121	70-130		
1,2,4-Trimethylbenzene	19.8		µg/kg wet		20.0		99	70-130		
1,3,5-Trimethylbenzene	19.0		µg/kg wet		20.0		95	70-130		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9020391 - SW846 5035A Soil (low level)										
LCS (9020391-BS1)										
Prepared & Analyzed: 05-Feb-09										
Vinyl chloride	19.5		µg/kg wet		20.0		98	70-130		
m,p-Xylene	36.0		µg/kg wet		40.0		90	70-130		
o-Xylene	19.2		µg/kg wet		20.0		96	70-130		
Tetrahydrofuran	24.0		µg/kg wet		20.0		120	70-130		
Ethyl ether	18.7		µg/kg wet		20.0		93	70-130		
Tert-amyl methyl ether	22.3		µg/kg wet		20.0		111	70-130		
Ethyl tert-butyl ether	19.5		µg/kg wet		20.0		98	70-130		
Di-isopropyl ether	18.1		µg/kg wet		20.0		90	70-130		
Tert-Butanol / butyl alcohol	281	QC1	µg/kg wet		200		141	70-130		
1,4-Dioxane	289	QC1	µg/kg wet		200		145	48.7-130		
trans-1,4-Dichloro-2-butene	24.8		µg/kg wet		20.0		124	70-130		
Ethanol	524	QC1	µg/kg wet		400		131	70-130		
Surrogate: 4-Bromofluorobenzene	*51.9*		µg/kg wet		*50.0*		*104*	*70-130*		
Surrogate: Toluene-d8	*51.0*		µg/kg wet		*50.0*		*102*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*48.8*		µg/kg wet		*50.0*		*98*	*70-130*		
Surrogate: Dibromofluoromethane	*49.1*		µg/kg wet		*50.0*		*98*	*70-130*		
LCS Dup (9020391-BSD1)										
Prepared & Analyzed: 05-Feb-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	18.5		µg/kg wet		20.0		93	70-130	2	25
Acetone	15.4		µg/kg wet		20.0		77	7.9-168	36	50
Acrylonitrile	20.8		µg/kg wet		20.0		104	70-130	17	25
Benzene	17.6		µg/kg wet		20.0		88	70-130	1	25
Bromobenzene	19.5		µg/kg wet		20.0		98	70-130	2	25
Bromochloromethane	19.3		µg/kg wet		20.0		96	70-130	4	25
Bromodichloromethane	18.2		µg/kg wet		20.0		91	70-130	4	25
Bromoform	18.0		µg/kg wet		20.0		90	70-130	11	25
Bromomethane	18.6		µg/kg wet		20.0		93	50-134	12	50
2-Butanone (MEK)	22.1		µg/kg wet		20.0		111	44.6-130	6	50
n-Butylbenzene	19.4		µg/kg wet		20.0		97	70-130	2	25
sec-Butylbenzene	18.3		µg/kg wet		20.0		91	70-130	4	25
tert-Butylbenzene	18.1		µg/kg wet		20.0		90	70-130	4	25
Carbon disulfide	16.6		µg/kg wet		20.0		83	70-130	1	25
Carbon tetrachloride	16.2		µg/kg wet		20.0		81	70-130	1	25
Chlorobenzene	17.8		µg/kg wet		20.0		89	70-130	5	25
Chloroethane	17.2		µg/kg wet		20.0		86	59.2-130	4	50
Chloroform	16.5		µg/kg wet		20.0		83	70-130	0.7	25
Chloromethane	17.7		µg/kg wet		20.0		89	70-130	11	25
2-Chlorotoluene	18.9		µg/kg wet		20.0		95	70-130	7	25
4-Chlorotoluene	19.5		µg/kg wet		20.0		98	70-130	4	25
1,2-Dibromo-3-chloropropane	18.4		µg/kg wet		20.0		92	70-130	18	25
Dibromochloromethane	17.8		µg/kg wet		20.0		89	63.8-130	5	50
1,2-Dibromoethane (EDB)	19.4		µg/kg wet		20.0		97	70-130	7	25
Dibromomethane	18.7		µg/kg wet		20.0		94	70-130	6	25
1,2-Dichlorobenzene	20.4		µg/kg wet		20.0		102	70-130	1	25
1,3-Dichlorobenzene	20.4		µg/kg wet		20.0		102	70-130	5	25
1,4-Dichlorobenzene	19.5		µg/kg wet		20.0		98	70-130	0.8	25
Dichlorodifluoromethane (Freon12)	18.0		µg/kg wet		20.0		90	41.8-130	2	50
1,1-Dichloroethane	17.6		µg/kg wet		20.0		88	70-130	0.2	25
1,2-Dichloroethane	18.4		µg/kg wet		20.0		92	70-130	1	25
1,1-Dichloroethene	17.0		µg/kg wet		20.0		85	70-130	3	25

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9020391 - SW846 5035A Soil (low level)										
LCS Dup (9020391-BSD1)										
Prepared & Analyzed: 05-Feb-09										
cis-1,2-Dichloroethene	18.2		µg/kg wet		20.0		91	70-130	3	25
trans-1,2-Dichloroethene	16.4		µg/kg wet		20.0		82	70-130	3	25
1,2-Dichloropropane	18.8		µg/kg wet		20.0		94	70-130	1	25
1,3-Dichloropropane	18.7		µg/kg wet		20.0		93	70-130	3	25
2,2-Dichloropropane	17.0		µg/kg wet		20.0		85	70-130	0.4	25
1,1-Dichloropropene	16.8		µg/kg wet		20.0		84	70-130	0.9	25
cis-1,3-Dichloropropene	20.3		µg/kg wet		20.0		101	70-130	2	25
trans-1,3-Dichloropropene	21.2		µg/kg wet		20.0		106	70-130	5	25
Ethylbenzene	17.2		µg/kg wet		20.0		86	70-130	0.8	25
Hexachlorobutadiene	18.1		µg/kg wet		20.0		90	68.3-130	0.7	50
2-Hexanone (MBK)	23.6		µg/kg wet		20.0		118	70-130	13	25
Isopropylbenzene	15.3		µg/kg wet		20.0		76	70-130	3	25
4-Isopropyltoluene	18.7		µg/kg wet		20.0		94	70-130	0.3	25
Methyl tert-butyl ether	19.4		µg/kg wet		20.0		97	70-130	6	25
4-Methyl-2-pentanone (MIBK)	22.6		µg/kg wet		20.0		113	53.1-132	18	50
Methylene chloride	17.4		µg/kg wet		20.0		87	70-130	1	25
Naphthalene	25.0		µg/kg wet		20.0		125	70-130	7	25
n-Propylbenzene	17.9		µg/kg wet		20.0		90	70-130	3	25
Styrene	18.8		µg/kg wet		20.0		94	70-130	3	25
1,1,1,2-Tetrachloroethane	17.4		µg/kg wet		20.0		87	70-130	4	25
1,1,2,2-Tetrachloroethane	18.9		µg/kg wet		20.0		94	70-130	9	25
Tetrachloroethene	16.9		µg/kg wet		20.0		84	70-130	0.6	25
Toluene	17.5		µg/kg wet		20.0		87	70-130	4	25
1,2,3-Trichlorobenzene	21.4		µg/kg wet		20.0		107	70-130	0.5	25
1,2,4-Trichlorobenzene	20.3		µg/kg wet		20.0		101	70-130	1	25
1,3,5-Trichlorobenzene	20.9		µg/kg wet		20.0		104	70-130	0.2	25
1,1,1-Trichloroethane	16.0		µg/kg wet		20.0		80	70-130	0.7	25
1,1,2-Trichloroethane	18.6		µg/kg wet		20.0		93	70-130	7	25
Trichloroethene	17.6		µg/kg wet		20.0		88	70-130	4	25
Trichlorofluoromethane (Freon 11)	17.3		µg/kg wet		20.0		86	68.2-130	0.7	50
1,2,3-Trichloropropane	21.6		µg/kg wet		20.0		108	70-130	11	25
1,2,4-Trimethylbenzene	19.0		µg/kg wet		20.0		95	70-130	4	25
1,3,5-Trimethylbenzene	18.2		µg/kg wet		20.0		91	70-130	4	25
Vinyl chloride	18.3		µg/kg wet		20.0		92	70-130	6	25
m,p-Xylene	36.0		µg/kg wet		40.0		90	70-130	0.1	25
o-Xylene	19.0		µg/kg wet		20.0		95	70-130	1	25
Tetrahydrofuran	22.8		µg/kg wet		20.0		114	70-130	5	25
Ethyl ether	19.4		µg/kg wet		20.0		97	70-130	4	50
Tert-amyl methyl ether	22.3		µg/kg wet		20.0		111	70-130	0.04	25
Ethyl tert-butyl ether	18.7		µg/kg wet		20.0		94	70-130	4	25
Di-isopropyl ether	18.2		µg/kg wet		20.0		91	70-130	0.6	25
Tert-Butanol / butyl alcohol	260		µg/kg wet		200		130	70-130	8	25
1,4-Dioxane	205	QR5	µg/kg wet		200		103	48.7-130	34	25
trans-1,4-Dichloro-2-butene	22.8		µg/kg wet		20.0		114	70-130	9	25
Ethanol	477		µg/kg wet		400		119	70-130	10	30
Surrogate: 4-Bromofluorobenzene	*50.8*		µg/kg wet		*50.0*		*102*	*70-130*		
Surrogate: Toluene-d8	*49.3*		µg/kg wet		*50.0*		*99*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*47.4*		µg/kg wet		*50.0*		*95*	*70-130*		
Surrogate: Dibromofluoromethane	*47.3*		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 9020520 - SW846 5030 Soil (high level)										
Blank (9020520-BLK1)										
Prepared & Analyzed: 06-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 9020520 - SW846 5030 Soil (high level)										
Blank (9020520-BLK1)										
Prepared & Analyzed: 06-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	*27.2*		µg/kg wet		*30.0*		*91*	*70-130*		
Surrogate: Toluene-d8	*30.5*		µg/kg wet		*30.0*		*102*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*31.5*		µg/kg wet		*30.0*		*105*	*70-130*		
Surrogate: Dibromofluoromethane	*29.7*		µg/kg wet		*30.0*		*99*	*70-130*		
LCS (9020520-BS1)										
Prepared & Analyzed: 06-Feb-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	24.6		µg/kg wet		20.0		123	70-130		
Acetone	16.7		µg/kg wet		20.0		83	7.9-168		
Acrylonitrile	20.0		µg/kg wet		20.0		100	70-130		
Benzene	18.1		µg/kg wet		20.0		90	70-130		
Bromobenzene	19.7		µg/kg wet		20.0		99	70-130		
Bromochloromethane	19.2		µg/kg wet		20.0		96	70-130		
Bromodichloromethane	20.0		µg/kg wet		20.0		100	70-130		
Bromoform	19.0		µg/kg wet		20.0		95	70-130		
Bromomethane	18.5		µg/kg wet		20.0		93	50-134		
2-Butanone (MEK)	21.7		µg/kg wet		20.0		108	44.6-130		
n-Butylbenzene	21.6		µg/kg wet		20.0		108	70-130		
sec-Butylbenzene	20.0		µg/kg wet		20.0		100	70-130		
tert-Butylbenzene	20.6		µg/kg wet		20.0		103	70-130		
Carbon disulfide	21.9		µg/kg wet		20.0		109	70-130		
Carbon tetrachloride	17.7		µg/kg wet		20.0		89	70-130		
Chlorobenzene	22.1		µg/kg wet		20.0		110	70-130		
Chloroethane	21.6		µg/kg wet		20.0		108	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 9020520 - SW846 5030 Soil (high level)										
LCS (9020520-BS1)										
Prepared & Analyzed: 06-Feb-09										
Chloroform	18.5		µg/kg wet		20.0		92	70-130		
Chloromethane	24.3		µg/kg wet		20.0		121	70-130		
2-Chlorotoluene	21.8		µg/kg wet		20.0		109	70-130		
4-Chlorotoluene	19.8		µg/kg wet		20.0		99	70-130		
1,2-Dibromo-3-chloropropane	13.5	QC2	µg/kg wet		20.0		67	70-130		
Dibromochloromethane	17.0		µg/kg wet		20.0		85	63.8-130		
1,2-Dibromoethane (EDB)	18.7		µg/kg wet		20.0		94	70-130		
Dibromomethane	18.6		µg/kg wet		20.0		93	70-130		
1,2-Dichlorobenzene	19.9		µg/kg wet		20.0		100	70-130		
1,3-Dichlorobenzene	20.0		µg/kg wet		20.0		100	70-130		
1,4-Dichlorobenzene	19.5		µg/kg wet		20.0		98	70-130		
Dichlorodifluoromethane (Freon12)	22.6		µg/kg wet		20.0		113	41.8-130		
1,1-Dichloroethane	18.3		µg/kg wet		20.0		91	70-130		
1,2-Dichloroethane	19.3		µg/kg wet		20.0		97	70-130		
1,1-Dichloroethene	20.0		µg/kg wet		20.0		100	70-130		
cis-1,2-Dichloroethene	20.4		µg/kg wet		20.0		102	70-130		
trans-1,2-Dichloroethene	17.1		µg/kg wet		20.0		86	70-130		
1,2-Dichloropropane	21.0		µg/kg wet		20.0		105	70-130		
1,3-Dichloropropane	20.1		µg/kg wet		20.0		101	70-130		
2,2-Dichloropropane	24.7		µg/kg wet		20.0		123	70-130		
1,1-Dichloropropene	18.0		µg/kg wet		20.0		90	70-130		
cis-1,3-Dichloropropene	17.5		µg/kg wet		20.0		87	70-130		
trans-1,3-Dichloropropene	17.5		µg/kg wet		20.0		88	70-130		
Ethylbenzene	19.8		µg/kg wet		20.0		99	70-130		
Hexachlorobutadiene	21.1		µg/kg wet		20.0		105	68.3-130		
2-Hexanone (MBK)	19.6		µg/kg wet		20.0		98	70-130		
Isopropylbenzene	16.8		µg/kg wet		20.0		84	70-130		
4-Isopropyltoluene	21.4		µg/kg wet		20.0		107	70-130		
Methyl tert-butyl ether	21.8		µg/kg wet		20.0		109	70-130		
4-Methyl-2-pentanone (MIBK)	19.9		µg/kg wet		20.0		99	53.1-132		
Methylene chloride	17.5		µg/kg wet		20.0		88	70-130		
Naphthalene	19.1		µg/kg wet		20.0		96	70-130		
n-Propylbenzene	20.0		µg/kg wet		20.0		100	70-130		
Styrene	20.0		µg/kg wet		20.0		100	70-130		
1,1,1,2-Tetrachloroethane	19.7		µg/kg wet		20.0		98	70-130		
1,1,2,2-Tetrachloroethane	19.8		µg/kg wet		20.0		99	70-130		
Tetrachloroethene	19.2		µg/kg wet		20.0		96	70-130		
Toluene	17.4		µg/kg wet		20.0		87	70-130		
1,2,3-Trichlorobenzene	20.2		µg/kg wet		20.0		101	70-130		
1,2,4-Trichlorobenzene	19.6		µg/kg wet		20.0		98	70-130		
1,3,5-Trichlorobenzene	19.9		µg/kg wet		20.0		99	70-130		
1,1,1-Trichloroethane	20.9		µg/kg wet		20.0		105	70-130		
1,1,2-Trichloroethane	19.9		µg/kg wet		20.0		100	70-130		
Trichloroethene	18.8		µg/kg wet		20.0		94	70-130		
Trichlorofluoromethane (Freon 11)	21.3		µg/kg wet		20.0		106	68.2-130		
1,2,3-Trichloropropane	21.6		µg/kg wet		20.0		108	70-130		
1,2,4-Trimethylbenzene	19.8		µg/kg wet		20.0		99	70-130		
1,3,5-Trimethylbenzene	20.1		µg/kg wet		20.0		101	70-130		
Vinyl chloride	23.3		µg/kg wet		20.0		116	70-130		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9020520 - SW846 5030 Soil (high level)										
LCS (9020520-BS1)										
Prepared & Analyzed: 06-Feb-09										
m,p-Xylene	38.3		µg/kg wet		40.0		96	70-130		
o-Xylene	19.9		µg/kg wet		20.0		100	70-130		
Tetrahydrofuran	21.3		µg/kg wet		20.0		107	70-130		
Ethyl ether	19.3		µg/kg wet		20.0		96	70-130		
Tert-amyl methyl ether	18.5		µg/kg wet		20.0		92	70-130		
Ethyl tert-butyl ether	27.4	QC2	µg/kg wet		20.0		137	70-130		
Di-isopropyl ether	17.7		µg/kg wet		20.0		88	70-130		
Tert-Butanol / butyl alcohol	208		µg/kg wet		200		104	70-130		
1,4-Dioxane	186		µg/kg wet		200		93	48.7-130		
trans-1,4-Dichloro-2-butene	24.6		µg/kg wet		20.0		123	70-130		
Ethanol	410		µg/kg wet		400		103	70-130		
Surrogate: 4-Bromofluorobenzene	*28.5*		µg/kg wet		*30.0*		*95*	*70-130*		
Surrogate: Toluene-d8	*30.1*		µg/kg wet		*30.0*		*100*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*29.2*		µg/kg wet		*30.0*		*97*	*70-130*		
Surrogate: Dibromofluoromethane	*29.2*		µg/kg wet		*30.0*		*97*	*70-130*		
LCS Dup (9020520-BSD1)										
Prepared & Analyzed: 06-Feb-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	25.9		µg/kg wet		20.0		130	70-130	5	25
Acetone	19.2		µg/kg wet		20.0		96	7.9-168	14	50
Acrylonitrile	22.5		µg/kg wet		20.0		112	70-130	12	25
Benzene	19.4		µg/kg wet		20.0		97	70-130	7	25
Bromobenzene	21.1		µg/kg wet		20.0		106	70-130	7	25
Bromochloromethane	20.4		µg/kg wet		20.0		102	70-130	6	25
Bromodichloromethane	21.4		µg/kg wet		20.0		107	70-130	7	25
Bromoform	19.8		µg/kg wet		20.0		99	70-130	4	25
Bromomethane	20.9		µg/kg wet		20.0		105	50-134	12	50
2-Butanone (MEK)	22.6		µg/kg wet		20.0		113	44.6-130	4	50
n-Butylbenzene	22.3		µg/kg wet		20.0		112	70-130	3	25
sec-Butylbenzene	21.3		µg/kg wet		20.0		106	70-130	6	25
tert-Butylbenzene	21.9		µg/kg wet		20.0		109	70-130	6	25
Carbon disulfide	22.2		µg/kg wet		20.0		111	70-130	2	25
Carbon tetrachloride	18.3		µg/kg wet		20.0		92	70-130	3	25
Chlorobenzene	23.4		µg/kg wet		20.0		117	70-130	6	25
Chloroethane	21.8		µg/kg wet		20.0		109	59.2-130	0.8	50
Chloroform	20.0		µg/kg wet		20.0		100	70-130	8	25
Chloromethane	23.9		µg/kg wet		20.0		119	70-130	2	25
2-Chlorotoluene	23.3		µg/kg wet		20.0		117	70-130	7	25
4-Chlorotoluene	20.9		µg/kg wet		20.0		105	70-130	6	25
1,2-Dibromo-3-chloropropane	12.6	QC2	µg/kg wet		20.0		63	70-130	7	25
Dibromochloromethane	18.9		µg/kg wet		20.0		94	63.8-130	10	50
1,2-Dibromoethane (EDB)	21.4		µg/kg wet		20.0		107	70-130	13	25
Dibromomethane	21.1		µg/kg wet		20.0		106	70-130	13	25
1,2-Dichlorobenzene	21.1		µg/kg wet		20.0		106	70-130	6	25
1,3-Dichlorobenzene	21.5		µg/kg wet		20.0		108	70-130	7	25
1,4-Dichlorobenzene	20.8		µg/kg wet		20.0		104	70-130	6	25
Dichlorodifluoromethane (Freon12)	22.4		µg/kg wet		20.0		112	41.8-130	1	50
1,1-Dichloroethane	19.8		µg/kg wet		20.0		99	70-130	8	25
1,2-Dichloroethane	21.6		µg/kg wet		20.0		108	70-130	11	25
1,1-Dichloroethene	20.7		µg/kg wet		20.0		103	70-130	3	25
cis-1,2-Dichloroethene	21.5		µg/kg wet		20.0		107	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 9020520 - SW846 5030 Soil (high level)										
LCS Dup (9020520-BSD1)										
Prepared & Analyzed: 06-Feb-09										
trans-1,2-Dichloroethene	18.3		µg/kg wet		20.0		91	70-130	7	25
1,2-Dichloropropane	22.4		µg/kg wet		20.0		112	70-130	6	25
1,3-Dichloropropane	23.7		µg/kg wet		20.0		119	70-130	17	25
2,2-Dichloropropane	25.2		µg/kg wet		20.0		126	70-130	2	25
1,1-Dichloropropene	19.2		µg/kg wet		20.0		96	70-130	7	25
cis-1,3-Dichloropropene	19.1		µg/kg wet		20.0		95	70-130	9	25
trans-1,3-Dichloropropene	18.5		µg/kg wet		20.0		92	70-130	5	25
Ethylbenzene	20.6		µg/kg wet		20.0		103	70-130	4	25
Hexachlorobutadiene	20.7		µg/kg wet		20.0		104	68.3-130	2	50
2-Hexanone (MBK)	22.8		µg/kg wet		20.0		114	70-130	15	25
Isopropylbenzene	17.9		µg/kg wet		20.0		90	70-130	7	25
4-Isopropyltoluene	22.0		µg/kg wet		20.0		110	70-130	3	25
Methyl tert-butyl ether	24.5		µg/kg wet		20.0		123	70-130	12	25
4-Methyl-2-pentanone (MIBK)	21.9		µg/kg wet		20.0		110	53.1-132	10	50
Methylene chloride	20.1		µg/kg wet		20.0		100	70-130	14	25
Naphthalene	20.4		µg/kg wet		20.0		102	70-130	7	25
n-Propylbenzene	21.2		µg/kg wet		20.0		106	70-130	6	25
Styrene	21.4		µg/kg wet		20.0		107	70-130	7	25
1,1,1,2-Tetrachloroethane	20.2		µg/kg wet		20.0		101	70-130	2	25
1,1,2,2-Tetrachloroethane	22.4		µg/kg wet		20.0		112	70-130	13	25
Tetrachloroethene	20.9		µg/kg wet		20.0		104	70-130	8	25
Toluene	19.2		µg/kg wet		20.0		96	70-130	9	25
1,2,3-Trichlorobenzene	21.2		µg/kg wet		20.0		106	70-130	5	25
1,2,4-Trichlorobenzene	20.2		µg/kg wet		20.0		101	70-130	3	25
1,3,5-Trichlorobenzene	21.1		µg/kg wet		20.0		105	70-130	6	25
1,1,1-Trichloroethane	22.1		µg/kg wet		20.0		110	70-130	5	25
1,1,2-Trichloroethane	22.4		µg/kg wet		20.0		112	70-130	12	25
Trichloroethene	19.6		µg/kg wet		20.0		98	70-130	5	25
Trichlorofluoromethane (Freon 11)	22.3		µg/kg wet		20.0		111	68.2-130	5	50
1,2,3-Trichloropropane	24.2		µg/kg wet		20.0		121	70-130	12	25
1,2,4-Trimethylbenzene	21.2		µg/kg wet		20.0		106	70-130	7	25
1,3,5-Trimethylbenzene	21.2		µg/kg wet		20.0		106	70-130	5	25
Vinyl chloride	23.9		µg/kg wet		20.0		119	70-130	3	25
m,p-Xylene	39.8		µg/kg wet		40.0		100	70-130	4	25
o-Xylene	21.1		µg/kg wet		20.0		106	70-130	6	25
Tetrahydrofuran	24.9		µg/kg wet		20.0		125	70-130	16	25
Ethyl ether	22.5		µg/kg wet		20.0		112	70-130	15	50
Tert-amyl methyl ether	21.2		µg/kg wet		20.0		106	70-130	14	25
Ethyl tert-butyl ether	29.6	QC2	µg/kg wet		20.0		148	70-130	8	25
Di-isopropyl ether	19.8		µg/kg wet		20.0		99	70-130	11	25
Tert-Butanol / butyl alcohol	255		µg/kg wet		200		128	70-130	20	25
1,4-Dioxane	236		µg/kg wet		200		118	48.7-130	24	25
trans-1,4-Dichloro-2-butene	26.5	QC1	µg/kg wet		20.0		132	70-130	8	25
Ethanol	473		µg/kg wet		400		118	70-130	14	30
Surrogate: 4-Bromofluorobenzene	*29.4*		µg/kg wet		*30.0*		*98*	*70-130*		
Surrogate: Toluene-d8	*30.2*		µg/kg wet		*30.0*		*101*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*31.0*		µg/kg wet		*30.0*		*103*	*70-130*		
Surrogate: Dibromofluoromethane	*30.8*		µg/kg wet		*30.0*		*103*	*70-130*		
Matrix Spike (9020520-MS1) **Source: SA90545-04**										
Prepared: 06-Feb-09 Analyzed: 07-Feb-09										

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9020520 - SW846 5030 Soil (high level)										
Matrix Spike (9020520-MS1) **Source: SA90545-04**										
Prepared: 06-Feb-09 Analyzed: 07-Feb-09										
Benzene	20.5		µg/kg dry		20.0	BRL	102	70-130		
Chlorobenzene	22.3		µg/kg dry		20.0	BRL	112	70-130		
1,1-Dichloroethene	18.2		µg/kg dry		20.0	BRL	91	70-130		
Toluene	22.6		µg/kg dry		20.0	BRL	113	70-130		
Trichloroethene	19.5		µg/kg dry		20.0	BRL	98	70-130		
Surrogate: 4-Bromofluorobenzene	*31.4*		µg/kg dry		*30.0*		*105*	*70-130*		
Surrogate: Toluene-d8	*31.1*		µg/kg dry		*30.0*		*104*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*37.2*		µg/kg dry		*30.0*		*124*	*70-130*		
Surrogate: Dibromofluoromethane	*31.9*		µg/kg dry		*30.0*		*106*	*70-130*		
Matrix Spike Dup (9020520-MSD1) **Source: SA90545-04**										
Prepared: 06-Feb-09 Analyzed: 07-Feb-09										
Benzene	22.4		µg/kg dry		20.0	BRL	112	70-130	9	30
Chlorobenzene	24.6		µg/kg dry		20.0	BRL	123	70-130	10	30
1,1-Dichloroethene	22.2		µg/kg dry		20.0	BRL	111	70-130	20	30
Toluene	23.9		µg/kg dry		20.0	BRL	120	70-130	6	30
Trichloroethene	23.0		µg/kg dry		20.0	BRL	115	70-130	17	30
Surrogate: 4-Bromofluorobenzene	*31.0*		µg/kg dry		*30.0*		*103*	*70-130*		
Surrogate: Toluene-d8	*30.1*		µg/kg dry		*30.0*		*100*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*31.5*		µg/kg dry		*30.0*		*105*	*70-130*		
Surrogate: Dibromofluoromethane	*28.7*		µg/kg dry		*30.0*		*96*	*70-130*		
Batch 9020592 - SW846 5030 Soil (high level)										
Blank (9020592-BLK1)										
Prepared & Analyzed: 09-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						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9020592 - SW846 5030 Soil (high level)										
Blank (9020592-BLK1)										
Prepared & Analyzed: 09-Feb-09										
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						
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						

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9020592 - SW846 5030 Soil (high level)										
Blank (9020592-BLK1)										
Prepared & Analyzed: 09-Feb-09										
Ethanol	BRL		µg/kg wet	400						
Surrogate: 4-Bromofluorobenzene	*28.2*		µg/kg wet		*30.0*		*94*	*70-130*		
Surrogate: Toluene-d8	*30.3*		µg/kg wet		*30.0*		*101*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*30.5*		µg/kg wet		*30.0*		*102*	*70-130*		
Surrogate: Dibromofluoromethane	*30.3*		µg/kg wet		*30.0*		*101*	*70-130*		
LCS (9020592-BS1)										
Prepared & Analyzed: 09-Feb-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	25.2		µg/kg wet		20.0		126	70-130		
Acetone	14.3		µg/kg wet		20.0		72	7.9-168		
Acrylonitrile	19.7		µg/kg wet		20.0		99	70-130		
Benzene	18.9		µg/kg wet		20.0		94	70-130		
Bromobenzene	21.1		µg/kg wet		20.0		106	70-130		
Bromochloromethane	20.3		µg/kg wet		20.0		102	70-130		
Bromodichloromethane	22.9		µg/kg wet		20.0		115	70-130		
Bromoform	21.0		µg/kg wet		20.0		105	70-130		
Bromomethane	20.2		µg/kg wet		20.0		101	50-134		
2-Butanone (MEK)	20.7		µg/kg wet		20.0		104	44.6-130		
n-Butylbenzene	21.2		µg/kg wet		20.0		106	70-130		
sec-Butylbenzene	20.8		µg/kg wet		20.0		104	70-130		
tert-Butylbenzene	21.6		µg/kg wet		20.0		108	70-130		
Carbon disulfide	23.9		µg/kg wet		20.0		120	70-130		
Carbon tetrachloride	21.0		µg/kg wet		20.0		105	70-130		
Chlorobenzene	22.9		µg/kg wet		20.0		114	70-130		
Chloroethane	22.0		µg/kg wet		20.0		110	59.2-130		
Chloroform	19.6		µg/kg wet		20.0		98	70-130		
Chloromethane	24.4		µg/kg wet		20.0		122	70-130		
2-Chlorotoluene	22.1		µg/kg wet		20.0		111	70-130		
4-Chlorotoluene	20.3		µg/kg wet		20.0		101	70-130		
1,2-Dibromo-3-chloropropane	16.1		µg/kg wet		20.0		80	70-130		
Dibromochloromethane	20.4		µg/kg wet		20.0		102	63.8-130		
1,2-Dibromoethane (EDB)	19.7		µg/kg wet		20.0		99	70-130		
Dibromomethane	19.2		µg/kg wet		20.0		96	70-130		
1,2-Dichlorobenzene	20.1		µg/kg wet		20.0		100	70-130		
1,3-Dichlorobenzene	21.2		µg/kg wet		20.0		106	70-130		
1,4-Dichlorobenzene	20.1		µg/kg wet		20.0		101	70-130		
Dichlorodifluoromethane (Freon12)	22.6		µg/kg wet		20.0		113	41.8-130		
1,1-Dichloroethane	19.4		µg/kg wet		20.0		97	70-130		
1,2-Dichloroethane	19.1		µg/kg wet		20.0		95	70-130		
1,1-Dichloroethene	20.4		µg/kg wet		20.0		102	70-130		
cis-1,2-Dichloroethene	21.0		µg/kg wet		20.0		105	70-130		
trans-1,2-Dichloroethene	18.7		µg/kg wet		20.0		94	70-130		
1,2-Dichloropropane	21.0		µg/kg wet		20.0		105	70-130		
1,3-Dichloropropane	21.3		µg/kg wet		20.0		107	70-130		
2,2-Dichloropropane	22.6		µg/kg wet		20.0		113	70-130		
1,1-Dichloropropene	19.3		µg/kg wet		20.0		97	70-130		
cis-1,3-Dichloropropene	18.6		µg/kg wet		20.0		93	70-130		
trans-1,3-Dichloropropene	18.2		µg/kg wet		20.0		91	70-130		
Ethylbenzene	20.2		µg/kg wet		20.0		101	70-130		
Hexachlorobutadiene	22.2		µg/kg wet		20.0		111	68.3-130		
2-Hexanone (MBK)	19.6		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 9020592 - SW846 5030 Soil (high level)										
LCS (9020592-BS1)										
Prepared & Analyzed: 09-Feb-09										
Isopropylbenzene	17.6		µg/kg wet		20.0		88	70-130		
4-Isopropyltoluene	21.7		µg/kg wet		20.0		108	70-130		
Methyl tert-butyl ether	21.5		µg/kg wet		20.0		108	70-130		
4-Methyl-2-pentanone (MIBK)	20.0		µg/kg wet		20.0		100	53.1-132		
Methylene chloride	19.3		µg/kg wet		20.0		96	70-130		
Naphthalene	19.3		µg/kg wet		20.0		96	70-130		
n-Propylbenzene	20.4		µg/kg wet		20.0		102	70-130		
Styrene	20.9		µg/kg wet		20.0		104	70-130		
1,1,1,2-Tetrachloroethane	22.5		µg/kg wet		20.0		112	70-130		
1,1,2,2-Tetrachloroethane	20.3		µg/kg wet		20.0		102	70-130		
Tetrachloroethene	21.0		µg/kg wet		20.0		105	70-130		
Toluene	18.7		µg/kg wet		20.0		94	70-130		
1,2,3-Trichlorobenzene	22.0		µg/kg wet		20.0		110	70-130		
1,2,4-Trichlorobenzene	20.4		µg/kg wet		20.0		102	70-130		
1,3,5-Trichlorobenzene	20.9		µg/kg wet		20.0		104	70-130		
1,1,1-Trichloroethane	22.7		µg/kg wet		20.0		113	70-130		
1,1,2-Trichloroethane	20.1		µg/kg wet		20.0		100	70-130		
Trichloroethene	19.5		µg/kg wet		20.0		98	70-130		
Trichlorofluoromethane (Freon 11)	22.8		µg/kg wet		20.0		114	68.2-130		
1,2,3-Trichloropropane	22.3		µg/kg wet		20.0		112	70-130		
1,2,4-Trimethylbenzene	20.7		µg/kg wet		20.0		104	70-130		
1,3,5-Trimethylbenzene	20.8		µg/kg wet		20.0		104	70-130		
Vinyl chloride	24.0		µg/kg wet		20.0		120	70-130		
m,p-Xylene	39.6		µg/kg wet		40.0		99	70-130		
o-Xylene	20.6		µg/kg wet		20.0		103	70-130		
Tetrahydrofuran	22.3		µg/kg wet		20.0		111	70-130		
Ethyl ether	20.8		µg/kg wet		20.0		104	70-130		
Tert-amyl methyl ether	21.2		µg/kg wet		20.0		106	70-130		
Ethyl tert-butyl ether	23.1		µg/kg wet		20.0		116	70-130		
Di-isopropyl ether	17.7		µg/kg wet		20.0		88	70-130		
Tert-Butanol / butyl alcohol	204		µg/kg wet		200		102	70-130		
1,4-Dioxane	222		µg/kg wet		200		111	48.7-130		
trans-1,4-Dichloro-2-butene	24.2		µg/kg wet		20.0		121	70-130		
Ethanol	428		µg/kg wet		400		107	70-130		
Surrogate: 4-Bromofluorobenzene	*29.2*		µg/kg wet		*30.0*		*98*	*70-130*		
Surrogate: Toluene-d8	*30.3*		µg/kg wet		*30.0*		*101*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*29.0*		µg/kg wet		*30.0*		*97*	*70-130*		
Surrogate: Dibromofluoromethane	*30.5*		µg/kg wet		*30.0*		*102*	*70-130*		
LCS Dup (9020592-BSD1)										
Prepared & Analyzed: 09-Feb-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	26.1	QC1	µg/kg wet		20.0		131	70-130	4	25
Acetone	14.5		µg/kg wet		20.0		72	7.9-168	1	50
Acrylonitrile	20.6		µg/kg wet		20.0		103	70-130	4	25
Benzene	19.1		µg/kg wet		20.0		96	70-130	1	25
Bromobenzene	19.6		µg/kg wet		20.0		98	70-130	8	25
Bromochloromethane	20.9		µg/kg wet		20.0		104	70-130	3	25
Bromodichloromethane	23.2		µg/kg wet		20.0		116	70-130	1	25
Bromoform	20.7		µg/kg wet		20.0		103	70-130	1	25
Bromomethane	20.9		µg/kg wet		20.0		105	50-134	3	50
2-Butanone (MEK)	22.3		µg/kg wet		20.0		112	44.6-130	8	50

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9020592 - SW846 5030 Soil (high level)										
LCS Dup (9020592-BSD1)										
Prepared & Analyzed: 09-Feb-09										
n-Butylbenzene	22.2		µg/kg wet		20.0		111	70-130	4	25
sec-Butylbenzene	20.2		µg/kg wet		20.0		101	70-130	3	25
tert-Butylbenzene	20.4		µg/kg wet		20.0		102	70-130	6	25
Carbon disulfide	23.8		µg/kg wet		20.0		119	70-130	0.4	25
Carbon tetrachloride	19.6		µg/kg wet		20.0		98	70-130	7	25
Chlorobenzene	22.2		µg/kg wet		20.0		111	70-130	3	25
Chloroethane	22.3		µg/kg wet		20.0		111	59.2-130	2	50
Chloroform	20.0		µg/kg wet		20.0		100	70-130	2	25
Chloromethane	25.1		µg/kg wet		20.0		126	70-130	3	25
2-Chlorotoluene	21.7		µg/kg wet		20.0		108	70-130	2	25
4-Chlorotoluene	20.1		µg/kg wet		20.0		100	70-130	1	25
1,2-Dibromo-3-chloropropane	18.0		µg/kg wet		20.0		90	70-130	11	25
Dibromochloromethane	20.0		µg/kg wet		20.0		100	63.8-130	2	50
1,2-Dibromoethane (EDB)	20.2		µg/kg wet		20.0		101	70-130	3	25
Dibromomethane	19.9		µg/kg wet		20.0		100	70-130	4	25
1,2-Dichlorobenzene	20.5		µg/kg wet		20.0		103	70-130	2	25
1,3-Dichlorobenzene	19.6		µg/kg wet		20.0		98	70-130	8	25
1,4-Dichlorobenzene	20.1		µg/kg wet		20.0		100	70-130	0.1	25
Dichlorodifluoromethane (Freon12)	24.9		µg/kg wet		20.0		124	41.8-130	10	50
1,1-Dichloroethane	19.5		µg/kg wet		20.0		98	70-130	0.3	25
1,2-Dichloroethane	19.8		µg/kg wet		20.0		99	70-130	4	25
1,1-Dichloroethene	20.4		µg/kg wet		20.0		102	70-130	0.4	25
cis-1,2-Dichloroethene	20.8		µg/kg wet		20.0		104	70-130	0.7	25
trans-1,2-Dichloroethene	18.6		µg/kg wet		20.0		93	70-130	0.9	25
1,2-Dichloropropane	21.9		µg/kg wet		20.0		110	70-130	4	25
1,3-Dichloropropane	21.9		µg/kg wet		20.0		109	70-130	3	25
2,2-Dichloropropane	21.6		µg/kg wet		20.0		108	70-130	5	25
1,1-Dichloropropene	19.5		µg/kg wet		20.0		98	70-130	0.9	25
cis-1,3-Dichloropropene	19.1		µg/kg wet		20.0		95	70-130	3	25
trans-1,3-Dichloropropene	18.1		µg/kg wet		20.0		90	70-130	0.7	25
Ethylbenzene	19.8		µg/kg wet		20.0		99	70-130	2	25
Hexachlorobutadiene	21.1		µg/kg wet		20.0		106	68.3-130	5	50
2-Hexanone (MBK)	20.8		µg/kg wet		20.0		104	70-130	5	25
Isopropylbenzene	16.8		µg/kg wet		20.0		84	70-130	5	25
4-Isopropyltoluene	22.2		µg/kg wet		20.0		111	70-130	3	25
Methyl tert-butyl ether	21.8		µg/kg wet		20.0		109	70-130	1	25
4-Methyl-2-pentanone (MIBK)	21.7		µg/kg wet		20.0		109	53.1-132	8	50
Methylene chloride	18.0		µg/kg wet		20.0		90	70-130	7	25
Naphthalene	19.3		µg/kg wet		20.0		97	70-130	0.2	25
n-Propylbenzene	20.2		µg/kg wet		20.0		101	70-130	1	25
Styrene	20.2		µg/kg wet		20.0		101	70-130	3	25
1,1,1,2-Tetrachloroethane	21.4		µg/kg wet		20.0		107	70-130	5	25
1,1,2,2-Tetrachloroethane	20.8		µg/kg wet		20.0		104	70-130	3	25
Tetrachloroethene	19.9		µg/kg wet		20.0		100	70-130	5	25
Toluene	18.8		µg/kg wet		20.0		94	70-130	0.4	25
1,2,3-Trichlorobenzene	21.4		µg/kg wet		20.0		107	70-130	3	25
1,2,4-Trichlorobenzene	19.9		µg/kg wet		20.0		99	70-130	2	25
1,3,5-Trichlorobenzene	20.0		µg/kg wet		20.0		100	70-130	4	25
1,1,1-Trichloroethane	22.4		µg/kg wet		20.0		112	70-130	1	25

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9020592 - SW846 5030 Soil (high level)										
LCS Dup (9020592-BSD1)										
Prepared & Analyzed: 09-Feb-09										
1,1,2-Trichloroethane	20.6		µg/kg wet		20.0		103	70-130	2	25
Trichloroethene	20.0		µg/kg wet		20.0		100	70-130	2	25
Trichlorofluoromethane (Freon 11)	22.2		µg/kg wet		20.0		111	68.2-130	3	50
1,2,3-Trichloropropane	22.7		µg/kg wet		20.0		114	70-130	2	25
1,2,4-Trimethylbenzene	19.8		µg/kg wet		20.0		99	70-130	4	25
1,3,5-Trimethylbenzene	20.0		µg/kg wet		20.0		100	70-130	4	25
Vinyl chloride	24.9		µg/kg wet		20.0		124	70-130	4	25
m,p-Xylene	38.2		µg/kg wet		40.0		96	70-130	4	25
o-Xylene	19.8		µg/kg wet		20.0		99	70-130	4	25
Tetrahydrofuran	23.7		µg/kg wet		20.0		119	70-130	6	25
Ethyl ether	21.4		µg/kg wet		20.0		107	70-130	3	50
Tert-amyl methyl ether	22.0		µg/kg wet		20.0		110	70-130	4	25
Ethyl tert-butyl ether	24.3		µg/kg wet		20.0		122	70-130	5	25
Di-isopropyl ether	19.1		µg/kg wet		20.0		96	70-130	8	25
Tert-Butanol / butyl alcohol	222		µg/kg wet		200		111	70-130	9	25
1,4-Dioxane	215		µg/kg wet		200		108	48.7-130	3	25
trans-1,4-Dichloro-2-butene	25.2		µg/kg wet		20.0		126	70-130	4	25
Ethanol	433		µg/kg wet		400		108	70-130	1	30
Surrogate: 4-Bromofluorobenzene	*28.6*		µg/kg wet		*30.0*		*95*	*70-130*		
Surrogate: Toluene-d8	*30.6*		µg/kg wet		*30.0*		*102*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*30.3*		µg/kg wet		*30.0*		*101*	*70-130*		
Surrogate: Dibromofluoromethane	*30.3*		µg/kg wet		*30.0*		*101*	*70-130*		
Matrix Spike (9020592-MS1)	**Source: SA90386-01**									
Prepared & Analyzed: 09-Feb-09										
Benzene	15.7		µg/kg dry		20.0	BRL	78	70-130		
Chlorobenzene	21.6		µg/kg dry		20.0	BRL	108	70-130		
1,1-Dichloroethene	16.9		µg/kg dry		20.0	BRL	85	70-130		
Toluene	17.0		µg/kg dry		20.0	BRL	85	70-130		
Trichloroethene	16.6		µg/kg dry		20.0	BRL	83	70-130		
Surrogate: 4-Bromofluorobenzene	*30.1*		µg/kg dry		*30.0*		*100*	*70-130*		
Surrogate: Toluene-d8	*29.9*		µg/kg dry		*30.0*		*100*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*29.8*		µg/kg dry		*30.0*		*99*	*70-130*		
Surrogate: Dibromofluoromethane	*28.0*		µg/kg dry		*30.0*		*94*	*70-130*		
Matrix Spike Dup (9020592-MSD1)	**Source: SA90386-01**									
Prepared & Analyzed: 09-Feb-09										
Benzene	17.9		µg/kg dry		20.0	BRL	89	70-130	13	30
Chlorobenzene	23.4		µg/kg dry		20.0	BRL	117	70-130	8	30
1,1-Dichloroethene	18.1		µg/kg dry		20.0	BRL	90	70-130	7	30
Toluene	18.8		µg/kg dry		20.0	BRL	94	70-130	10	30
Trichloroethene	18.4		µg/kg dry		20.0	BRL	92	70-130	10	30
Surrogate: 4-Bromofluorobenzene	*30.4*		µg/kg dry		*30.0*		*101*	*70-130*		
Surrogate: Toluene-d8	*30.4*		µg/kg dry		*30.0*		*101*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*30.0*		µg/kg dry		*30.0*		*100*	*70-130*		
Surrogate: Dibromofluoromethane	*28.9*		µg/kg dry		*30.0*		*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 9020254 - SW846 3550B										
Blank (9020254-BLK1)										
Prepared & Analyzed: 04-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 9020254 - SW846 3550B										
Blank (9020254-BLK1)										
Prepared & Analyzed: 04-Feb-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	*2100*		µg/kg wet		*3330*		*63*	*30-130*		
Surrogate: 2-Fluorophenol	*2090*		µg/kg wet		*3330*		*63*	*15-110*		
Surrogate: Nitrobenzene-d5	*2120*		µg/kg wet		*3330*		*64*	*30-130*		
Surrogate: Phenol-d5	*2200*		µg/kg wet		*3330*		*66*	*15-110*		
Surrogate: Terphenyl-dl4	*1920*		µg/kg wet		*3330*		*58*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*1790*		µg/kg wet		*3330*		*54*	*15-110*		
LCS (9020254-BS1)										
Prepared & Analyzed: 04-Feb-09										
Acenaphthene	2330		µg/kg wet	330	3330		70	40-130		
Acenaphthylene	2290		µg/kg wet	330	3330		69	40-130		
Aniline	891	QC2	µg/kg wet	330	3330		27	40-130		
Anthracene	2390		µg/kg wet	330	3330		72	40-130		
Atrazine	2660		µg/kg wet	330	3330		80	40-130		
Azobenzene/Diphenyldiazine	2600		µg/kg wet	330	3330		78	40-130		
Benzidine	66.0		µg/kg wet	330	3330		2	0-130		
Benzo (a) anthracene	2060		µg/kg wet	330	3330		62	40-130		
Benzo (a) pyrene	2180		µg/kg wet	330	3330		65	40-130		
Benzo (b) fluoranthene	1790		µg/kg wet	330	3330		54	40-130		
Benzo (g,h,i) perylene	1900		µg/kg wet	330	3330		57	40-130		
Benzo (k) fluoranthene	2820		µg/kg wet	330	3330		85	40-130		
Benzoic acid	2010		µg/kg wet	330	3330		60	19.5-130		
Benzyl alcohol	2050		µg/kg wet	330	3330		62	40-130		
Bis(2-chloroethoxy)methane	2660		µg/kg wet	330	3330		80	40-130		
Bis(2-chloroethyl)ether	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 9020254 - SW846 3550B										
LCS (9020254-BS1)										
Prepared & Analyzed: 04-Feb-09										
Bis(2-chloroisopropyl)ether	2650		µg/kg wet	330	3330		80	40-130		
Bis(2-ethylhexyl)phthalate	2680		µg/kg wet	330	3330		80	40-130		
4-Bromophenyl phenyl ether	2170		µg/kg wet	330	3330		65	40-130		
Butyl benzyl phthalate	2580		µg/kg wet	330	3330		77	40-130		
Carbazole	3300		µg/kg wet	330	3330		99	40-130		
4-Chloro-3-methylphenol	2430		µg/kg wet	330	3330		73	40-130		
4-Chloroaniline	1390		µg/kg wet	330	3330		42	40-130		
2-Chloronaphthalene	2060		µg/kg wet	330	3330		62	40-130		
2-Chlorophenol	2120		µg/kg wet	330	3330		64	40-130		
4-Chlorophenyl phenyl ether	2490		µg/kg wet	330	3330		75	40-130		
Chrysene	2260		µg/kg wet	330	3330		68	40-130		
Dibenzo (a,h) anthracene	1980		µg/kg wet	330	3330		59	40-130		
Dibenzofuran	2300		µg/kg wet	330	3330		69	40-130		
1,2-Dichlorobenzene	2210		µg/kg wet	330	3330		66	40-130		
1,3-Dichlorobenzene	1770		µg/kg wet	330	3330		53	40-130		
1,4-Dichlorobenzene	2330		µg/kg wet	330	3330		70	40-130		
3,3'-Dichlorobenzidine	2860		µg/kg wet	330	3330		86	40-130		
2,4-Dichlorophenol	2120		µg/kg wet	330	3330		64	40-130		
Diethyl phthalate	2540		µg/kg wet	330	3330		76	40-130		
Dimethyl phthalate	2360		µg/kg wet	330	3330		71	40-130		
2,4-Dimethylphenol	2080		µg/kg wet	330	3330		63	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	1950		µg/kg wet	330	3330		59	40-130		
2,4-Dinitrotoluene	2100		µg/kg wet	330	3330		63	40-130		
2,6-Dinitrotoluene	2180		µg/kg wet	330	3330		65	40-130		
Di-n-octyl phthalate	3010		µg/kg wet	330	3330		90	40-130		
Fluoranthene	2140		µg/kg wet	330	3330		64	40-130		
Fluorene	2420		µg/kg wet	330	3330		73	40-130		
Hexachlorobenzene	1960		µg/kg wet	330	3330		59	40-130		
Hexachlorobutadiene	2270		µg/kg wet	330	3330		68	40-130		
Hexachlorocyclopentadiene	1320		µg/kg wet	330	3330		40	40-130		
Hexachloroethane	2250		µg/kg wet	330	3330		68	40-130		
Indeno (1,2,3-cd) pyrene	1890		µg/kg wet	330	3330		57	40-130		
Isophorone	2510		µg/kg wet	330	3330		75	40-130		
1-Methylnaphthalene	2470		µg/kg wet	330	3330		74	40-140		
2-Methylnaphthalene	2390		µg/kg wet	330	3330		72	40-130		
2-Methylphenol	1860		µg/kg wet	330	3330		56	40-130		
3 & 4-Methylphenol	2450		µg/kg wet	330	3330		74	40-130		
Naphthalene	2410		µg/kg wet	330	3330		72	40-130		
2-Nitroaniline	2210		µg/kg wet	330	3330		66	40-130		
3-Nitroaniline	2180		µg/kg wet	330	3330		65	40-130		
4-Nitroaniline	2360		µg/kg wet	1320	3330		71	40-130		
Nitrobenzene	2790		µg/kg wet	330	3330		84	40-130		
2-Nitrophenol	2230		µg/kg wet	330	3330		67	40-130		
4-Nitrophenol	2200		µg/kg wet	1320	3330		66	40-130		
N-Nitrosodimethylamine	2830		µg/kg wet	330	3330		85	40-130		
N-Nitrosodi-n-propylamine	2620		µg/kg wet	330	3330		79	40-130		
N-Nitrosodiphenylamine	2500		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 9020254 - SW846 3550B										
LCS (9020254-BS1)										
Prepared & Analyzed: 04-Feb-09										
Pentachlorophenol	2310		µg/kg wet	330	3330		69	40-130		
Phenanthrene	2160		µg/kg wet	330	3330		65	40-130		
Phenol	2150		µg/kg wet	330	3330		64	40-130		
Pyrene	2260		µg/kg wet	330	3330		68	40-130		
Pyridine	BRL		µg/kg wet	330	3330			0-130		
1,2,4-Trichlorobenzene	2020		µg/kg wet	330	3330		60	40-130		
2,4,5-Trichlorophenol	2120		µg/kg wet	330	3330		64	40-130		
2,4,6-Trichlorophenol	1750		µg/kg wet	330	3330		53	40-130		
Pentachloronitrobenzene	2720		µg/kg wet	330	3330		82	40-140		
1,2,4,5-Tetrachlorobenzene	1940		µg/kg wet	330	3330		58	40-140		
Surrogate: 2-Fluorobiphenyl	*2270*		µg/kg wet		*3330*		*68*	*30-130*		
Surrogate: 2-Fluorophenol	*1890*		µg/kg wet		*3330*		*57*	*15-110*		
Surrogate: Nitrobenzene-d5	*2620*		µg/kg wet		*3330*		*79*	*30-130*		
Surrogate: Phenol-d5	*1750*		µg/kg wet		*3330*		*52*	*15-110*		
Surrogate: Terphenyl-dl4	*2030*		µg/kg wet		*3330*		*61*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*2160*		µg/kg wet		*3330*		*65*	*15-110*		
Duplicate (9020254-DUP1)	**Source: SA90415-02**									
Prepared & Analyzed: 04-Feb-09										
Acenaphthene	BRL		µg/kg dry	695		BRL				50
Acenaphthylene	BRL		µg/kg dry	695		BRL				50
Aniline	BRL		µg/kg dry	695		BRL				50
Anthracene	BRL		µg/kg dry	695		BRL				50
Atrazine	BRL		µg/kg dry	695		BRL				50
Azobenzene/Diphenyldiazine	BRL		µg/kg dry	695		BRL				50
Benzidine	BRL		µg/kg dry	695		BRL				50
Benzo (a) anthracene	BRL		µg/kg dry	695		BRL				50
Benzo (a) pyrene	BRL		µg/kg dry	695		BRL				50
Benzo (b) fluoranthene	BRL		µg/kg dry	695		BRL				50
Benzo (g,h,i) perylene	BRL		µg/kg dry	695		BRL				50
Benzo (k) fluoranthene	BRL		µg/kg dry	695		BRL				50
Benzoic acid	BRL		µg/kg dry	695		BRL				50
Benzyl alcohol	BRL		µg/kg dry	695		BRL				50
Bis(2-chloroethoxy)methane	BRL		µg/kg dry	695		BRL				50
Bis(2-chloroethyl)ether	BRL		µg/kg dry	695		BRL				50
Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	695		BRL				50
Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	695		BRL				50
4-Bromophenyl phenyl ether	BRL		µg/kg dry	695		BRL				50
Butyl benzyl phthalate	BRL		µg/kg dry	695		BRL				50
Carbazole	BRL		µg/kg dry	695		BRL				50
4-Chloro-3-methylphenol	BRL		µg/kg dry	695		BRL				50
4-Chloroaniline	BRL		µg/kg dry	695		BRL				50
2-Chloronaphthalene	BRL		µg/kg dry	695		BRL				50
2-Chlorophenol	BRL		µg/kg dry	695		BRL				50
4-Chlorophenyl phenyl ether	BRL		µg/kg dry	695		BRL				50
Chrysene	BRL		µg/kg dry	695		BRL				50
Dibenzo (a,h) anthracene	BRL		µg/kg dry	695		BRL				50
Dibenzofuran	BRL		µg/kg dry	695		BRL				50
1,2-Dichlorobenzene	BRL		µg/kg dry	695		BRL				50
1,3-Dichlorobenzene	BRL		µg/kg dry	695		BRL				50
1,4-Dichlorobenzene	BRL		µg/kg dry	695		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 9020254 - SW846 3550B										
Duplicate (9020254-DUP1)	**Source: SA90415-02**									
Prepared & Analyzed: 04-Feb-09										
3,3'-Dichlorobenzidine	BRL		µg/kg dry	695		BRL				50
2,4-Dichlorophenol	BRL		µg/kg dry	695		BRL				50
Diethyl phthalate	BRL		µg/kg dry	695		BRL				50
Dimethyl phthalate	BRL		µg/kg dry	695		BRL				50
2,4-Dimethylphenol	BRL		µg/kg dry	695		BRL				50
Di-n-butyl phthalate	BRL		µg/kg dry	695		BRL				50
4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	695		BRL				50
2,4-Dinitrophenol	BRL		µg/kg dry	695		BRL				50
2,4-Dinitrotoluene	BRL		µg/kg dry	695		BRL				50
2,6-Dinitrotoluene	BRL		µg/kg dry	695		BRL				50
Di-n-octyl phthalate	BRL		µg/kg dry	695		BRL				50
Fluoranthene	BRL		µg/kg dry	695		BRL				50
Fluorene	BRL		µg/kg dry	695		BRL				50
Hexachlorobenzene	BRL		µg/kg dry	695		BRL				50
Hexachlorobutadiene	BRL		µg/kg dry	695		BRL				50
Hexachlorocyclopentadiene	BRL		µg/kg dry	695		BRL				50
Hexachloroethane	BRL		µg/kg dry	695		BRL				50
Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	695		BRL				50
Isophorone	BRL		µg/kg dry	695		BRL				50
1-Methylnaphthalene	BRL		µg/kg dry	695		BRL				50
2-Methylnaphthalene	BRL		µg/kg dry	695		BRL				50
2-Methylphenol	BRL		µg/kg dry	695		BRL				50
3 & 4-Methylphenol	BRL		µg/kg dry	695		BRL				50
Naphthalene	BRL		µg/kg dry	695		BRL				50
2-Nitroaniline	BRL		µg/kg dry	695		BRL				50
3-Nitroaniline	BRL		µg/kg dry	695		BRL				50
4-Nitroaniline	BRL		µg/kg dry	2780		BRL				50
Nitrobenzene	BRL		µg/kg dry	695		BRL				50
2-Nitrophenol	BRL		µg/kg dry	695		BRL				50
4-Nitrophenol	BRL		µg/kg dry	2780		BRL				50
N-Nitrosodimethylamine	BRL		µg/kg dry	695		BRL				50
N-Nitrosodi-n-propylamine	BRL		µg/kg dry	695		BRL				50
N-Nitrosodiphenylamine	BRL		µg/kg dry	695		BRL				50
Pentachlorophenol	BRL		µg/kg dry	695		BRL				50
Phenanthrene	BRL		µg/kg dry	695		BRL				50
Phenol	BRL		µg/kg dry	695		BRL				50
Pyrene	BRL		µg/kg dry	695		BRL				50
Pyridine	BRL		µg/kg dry	695		BRL				50
1,2,4-Trichlorobenzene	BRL		µg/kg dry	695		BRL				50
2,4,5-Trichlorophenol	BRL		µg/kg dry	695		BRL				50
2,4,6-Trichlorophenol	BRL		µg/kg dry	695		BRL				50
Pentachloronitrobenzene	BRL		µg/kg dry	695		BRL				50
1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	695		BRL				50
Surrogate: 2-Fluorobiphenyl	*2560*		µg/kg dry		*3510*		*73*	*30-130*		
Surrogate: 2-Fluorophenol	*2330*		µg/kg dry		*3510*		*66*	*15-110*		
Surrogate: Nitrobenzene-d5	*2430*		µg/kg dry		*3510*		*69*	*30-130*		
Surrogate: Phenol-d5	*2640*		µg/kg dry		*3510*		*75*	*15-110*		
Surrogate: Terphenyl-d14	*2340*		µg/kg dry		*3510*		*67*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*1990*		µg/kg dry		*3510*		*57*	*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 9020254 - SW846 3550B										
Matrix Spike (9020254-MS1) **Source: SA90415-02**										
Prepared: 04-Feb-09 Analyzed: 05-Feb-09										
Acenaphthene	2550		µg/kg dry	364	3670	BRL	69	40-140		
Benzo (b) fluoranthene	1950		µg/kg dry	364	3670	BRL	53	40-140		
Benzo (k) fluoranthene	3060		µg/kg dry	364	3670	BRL	83	40-140		
4-Chloro-3-methylphenol	2780		µg/kg dry	364	3670	BRL	76	30-130		
2-Chlorophenol	2390		µg/kg dry	364	3670	BRL	65	30-130		
Chrysene	2520		µg/kg dry	364	3670	BRL	69	40-140		
1,4-Dichlorobenzene	2640		µg/kg dry	364	3670	BRL	72	40-140		
Indeno (1,2,3-cd) pyrene	2190		µg/kg dry	364	3670	BRL	60	40-140		
Naphthalene	2670		µg/kg dry	364	3670	BRL	73	40-140		
4-Nitrophenol	2360		µg/kg dry	1450	3670	BRL	64	30-130		
N-Nitrosodi-n-propylamine	2980		µg/kg dry	364	3670	BRL	81	40-140		
Pentachlorophenol	2440		µg/kg dry	364	3670	BRL	66	30-130		
Phenol	2470		µg/kg dry	364	3670	BRL	67	30-130		
Pyrene	2420		µg/kg dry	364	3670	BRL	66	40-140		
1,2,4-Trichlorobenzene	2230		µg/kg dry	364	3670	BRL	61	40-140		
Surrogate: 2-Fluorobiphenyl	*2470*		µg/kg dry		*3670*		*67*	*30-130*		
Surrogate: 2-Fluorophenol	*2150*		µg/kg dry		*3670*		*58*	*15-110*		
Surrogate: Nitrobenzene-d5	*2950*		µg/kg dry		*3670*		*80*	*30-130*		
Surrogate: Phenol-d5	*1950*		µg/kg dry		*3670*		*53*	*15-110*		
Surrogate: Terphenyl-dl4	*2200*		µg/kg dry		*3670*		*60*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*2400*		µg/kg dry		*3670*		*65*	*15-110*		
Matrix Spike Dup (9020254-MSD1) **Source: SA90415-02**										
Prepared: 04-Feb-09 Analyzed: 05-Feb-09										
Acenaphthene	2320		µg/kg dry	357	3600	BRL	64	40-140	8	30
Benzo (b) fluoranthene	1730		µg/kg dry	357	3600	BRL	48	40-140	10	30
Benzo (k) fluoranthene	2700		µg/kg dry	357	3600	BRL	75	40-140	10	30
4-Chloro-3-methylphenol	2600		µg/kg dry	357	3600	BRL	72	30-130	5	30
2-Chlorophenol	2190		µg/kg dry	357	3600	BRL	61	30-130	7	30
Chrysene	2200		µg/kg dry	357	3600	BRL	61	40-140	11	30
1,4-Dichlorobenzene	2340		µg/kg dry	357	3600	BRL	65	40-140	10	30
Indeno (1,2,3-cd) pyrene	1750		µg/kg dry	357	3600	BRL	49	40-140	20	30
Naphthalene	2380		µg/kg dry	357	3600	BRL	66	40-140	10	30
4-Nitrophenol	2280		µg/kg dry	1430	3600	BRL	63	30-130	2	30
N-Nitrosodi-n-propylamine	2750		µg/kg dry	357	3600	BRL	76	40-140	6	30
Pentachlorophenol	2180		µg/kg dry	357	3600	BRL	60	30-130	9	30
Phenol	2300		µg/kg dry	357	3600	BRL	64	30-130	5	30
Pyrene	2090		µg/kg dry	357	3600	BRL	58	40-140	13	30
1,2,4-Trichlorobenzene	1990		µg/kg dry	357	3600	BRL	55	40-140	9	30
Surrogate: 2-Fluorobiphenyl	*2180*		µg/kg dry		*3600*		*61*	*30-130*		
Surrogate: 2-Fluorophenol	*1900*		µg/kg dry		*3600*		*53*	*15-110*		
Surrogate: Nitrobenzene-d5	*2590*		µg/kg dry		*3600*		*72*	*30-130*		
Surrogate: Phenol-d5	*1790*		µg/kg dry		*3600*		*50*	*15-110*		
Surrogate: Terphenyl-dl4	*1870*		µg/kg dry		*3600*		*52*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*2090*		µg/kg dry		*3600*		*58*	*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 9020246 - SW846 3550B										
Blank (9020246-BLK1)										
Prepared & Analyzed: 04-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)	*9.93*		µg/kg wet		*13.3*		*75*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [:	*9.20*		µg/kg wet		*13.3*		*69*	*30-150*		
LCS (9020246-BS1)										
Prepared & Analyzed: 04-Feb-09										
2,4,5-T	26.6		µg/kg wet	6.70	33.3		80	40-140		
2,4,5-T [2C]	27.2		µg/kg wet	6.70	33.3		82	40-140		
2,4,5-TP (Silvex)	26.7		µg/kg wet	6.70	33.3		80	40-140		
2,4,5-TP (Silvex) [2C]	28.7		µg/kg wet	6.70	33.3		86	40-140		
2,4-D	24.7		µg/kg wet	6.70	33.3		74	40-140		
2,4-D [2C]	25.7		µg/kg wet	6.70	33.3		77	40-140		
2,4-DB	26.1		µg/kg wet	6.70	33.3		78	40-140		
2,4-DB [2C]	25.1		µg/kg wet	6.70	33.3		75	40-140		
Dalapon	16.9		µg/kg wet	6.70	33.3		51	40-140		
Dalapon [2C]	18.5		µg/kg wet	6.70	33.3		55	40-140		
Dicamba	24.5		µg/kg wet	6.70	33.3		74	40-140		
Dicamba [2C]	26.5		µg/kg wet	6.70	33.3		79	40-140		
Dichlorprop	29.4		µg/kg wet	6.70	33.3		88	40-140		
Dichlorprop [2C]	28.7		µg/kg wet	6.70	33.3		86	40-140		
Dinoseb	27.8		µg/kg wet	6.70	33.3		83	40-140		
Dinoseb [2C]	30.4		µg/kg wet	6.70	33.3		91	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*9.60*		µg/kg wet		*13.3*		*72*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [:	*10.1*		µg/kg wet		*13.3*		*76*	*30-150*		
LCS (9020246-BS2)										
Prepared & Analyzed: 04-Feb-09										
MCPA	12200		µg/kg wet	670	10000		122	40-140		
MCPA [2C]	12500		µg/kg wet	670	10000		125	40-140		
MCPB	11900		µg/kg wet	670	10000		119	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 9020246 - SW846 3550B										
LCS (9020246-BS2)										
Prepared & Analyzed: 04-Feb-09										
MCPB [2C]	11300		µg/kg wet	670	10000		113	40-140		
MCPP	12300		µg/kg wet	670	10000		123	40-140		
MCPP [2C]	12700		µg/kg wet	670	10000		127	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*9.87*		µg/kg wet		*13.3*		*74*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [	*9.80*		µg/kg wet		*13.3*		*74*	*30-150*		
LCS Dup (9020246-BSD1)										
Prepared: 04-Feb-09 Analyzed: 05-Feb-09										
2,4,5-T	26.9		µg/kg wet	6.70	33.3		81	40-140	1	25
2,4,5-T [2C]	26.1		µg/kg wet	6.70	33.3		78	40-140	4	25
2,4,5-TP (Silvex)	27.5		µg/kg wet	6.70	33.3		83	40-140	3	25
2,4,5-TP (Silvex) [2C]	27.3		µg/kg wet	6.70	33.3		82	40-140	5	25
2,4-D	24.4		µg/kg wet	6.70	33.3		73	40-140	1	25
2,4-D [2C]	23.7		µg/kg wet	6.70	33.3		71	40-140	8	25
2,4-DB	27.1		µg/kg wet	6.70	33.3		81	40-140	4	25
2,4-DB [2C]	28.4		µg/kg wet	6.70	33.3		85	40-140	12	25
Dalapon	22.8	QR2	µg/kg wet	6.70	33.3		68	40-140	30	25
Dalapon [2C]	19.9		µg/kg wet	6.70	33.3		60	40-140	8	25
Dicamba	25.4		µg/kg wet	6.70	33.3		76	40-140	3	25
Dicamba [2C]	24.5		µg/kg wet	6.70	33.3		74	40-140	8	25
Dichlorprop	29.1		µg/kg wet	6.70	33.3		87	40-140	0.9	25
Dichlorprop [2C]	27.0		µg/kg wet	6.70	33.3		81	40-140	6	25
Dinoseb	28.6		µg/kg wet	6.70	33.3		86	40-140	3	25
Dinoseb [2C]	28.8		µg/kg wet	6.70	33.3		86	40-140	5	25
MCPA	BRL		µg/kg wet	670				40-140		25
MCPA [2C]	BRL		µg/kg wet	670				40-140		25
MCPB	BRL		µg/kg wet	670				40-140		25
MCPB [2C]	BRL		µg/kg wet	670				40-140		25
MCPP	BRL		µg/kg wet	670				40-140		25
MCPP [2C]	BRL		µg/kg wet	670				40-140		25
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*9.73*		µg/kg wet		*13.3*		*73*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [	*9.60*		µg/kg wet		*13.3*		*72*	*30-150*		
LCS Dup (9020246-BSD2)										
Prepared & Analyzed: 04-Feb-09										
MCPA	12700		µg/kg wet	670	10000		127	40-140	4	25
MCPA [2C]	12900		µg/kg wet	670	10000		129	40-140	4	25
MCPB	12400		µg/kg wet	670	10000		124	40-140	4	25
MCPB [2C]	12400		µg/kg wet	670	10000		124	40-140	10	25
MCPP	12600		µg/kg wet	670	10000		126	40-140	2	25
MCPP [2C]	13300		µg/kg wet	670	10000		133	40-140	4	25
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*10.2*		µg/kg wet		*13.3*		*77*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [	*9.87*		µg/kg wet		*13.3*		*74*	*30-150*		
Duplicate (9020246-DUP1) **Source: SA90481-05**										
Prepared: 04-Feb-09 Analyzed: 05-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

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9020246 - SW846 3550B										
Duplicate (9020246-DUP1) **Source: SA90481-05**										
Prepared: 04-Feb-09 Analyzed: 05-Feb-09										
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)	*12.3*		µg/kg dry		*14.3*		*85*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [:	*12.6*		µg/kg dry		*14.3*		*87*	*30-150*		
Batch 9020260 - SW846 3545A										
Blank (9020260-BLK1)										
Prepared: 04-Feb-09 Analyzed: 06-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)	*15.4*		µg/kg wet		*20.0*		*77*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*11.8*		µg/kg wet		*20.0*		*59*	*30-150*		
LCS (9020260-BS1)										
Prepared: 04-Feb-09 Analyzed: 06-Feb-09										
PCB 1016	192		µg/kg wet	20.0	250		77	40-140		
PCB 1260	201		µg/kg wet	20.0	250		81	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*14.6*		µg/kg wet		*20.0*		*73*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*11.2*		µg/kg wet		*20.0*		*56*	*30-150*		
LCS Dup (9020260-BSD1)										
Prepared: 04-Feb-09 Analyzed: 06-Feb-09										
PCB 1016	210		µg/kg wet	20.0	250		84	40-140	9	30
PCB 1260	225		µg/kg wet	20.0	250		90	40-140	11	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*17.5*		µg/kg wet		*20.0*		*88*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*12.6*		µg/kg wet		*20.0*		*63*	*30-150*		
Duplicate (9020260-DUP1) **Source: SA90545-02**										
Prepared: 04-Feb-09 Analyzed: 06-Feb-09										
PCB 1016	BRL		µg/kg dry	24.3		BRL				40
PCB 1221	BRL		µg/kg dry	24.3		BRL				40
PCB 1232	BRL		µg/kg dry	24.3		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 9020260 - SW846 3545A										
Duplicate (9020260-DUP1) **Source: SA90545-02**										
Prepared: 04-Feb-09 Analyzed: 06-Feb-09										
PCB 1242	BRL		µg/kg dry	24.3		BRL				40
PCB 1248	BRL		µg/kg dry	24.3		BRL				40
PCB 1254	BRL		µg/kg dry	24.3		BRL				40
PCB 1260	BRL		µg/kg dry	24.3		BRL				40
PCB 1262	BRL		µg/kg dry	24.3		BRL				40
PCB 1268	BRL		µg/kg dry	24.3		BRL				40
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*24.8*		µg/kg dry		*24.3*		*102*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*16.6*		µg/kg dry		*24.3*		*69*	*30-150*		
Matrix Spike (9020260-MS1) **Source: SA90545-02**										
Prepared: 04-Feb-09 Analyzed: 06-Feb-09										
PCB 1016	290		µg/kg dry	25.0	313	BRL	93	40-140		
PCB 1260	305		µg/kg dry	25.0	313	BRL	98	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*26.4*		µg/kg dry		*25.0*		*106*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*17.0*		µg/kg dry		*25.0*		*68*	*30-150*		
Matrix Spike Dup (9020260-MSD1) **Source: SA90545-02**										
Prepared: 04-Feb-09 Analyzed: 06-Feb-09										
PCB 1016	302		µg/kg dry	24.3	303	BRL	100	40-140	7	50
PCB 1260	302		µg/kg dry	24.3	303	BRL	99	40-140	2	50
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*25.4*		µg/kg dry		*24.3*		*104*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*16.8*		µg/kg dry		*24.3*		*69*	*30-150*		

Extractable Petroleum Hydrocarbons - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9020252 - SW846 3550B										
Blank (9020252-BLK1)										
Prepared: 04-Feb-09 Analyzed: 06-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	*2.63*		mg/kg wet		*3.33*		*79*	*50-150*		
LCS (9020252-BS1)										
Prepared: 04-Feb-09 Analyzed: 06-Feb-09										
C9-C36 Aliphatic Hydrocarbons	58.7		mg/kg wet	13.3	93.3		63	60-120		
Surrogate: 1-Chlorooctadecane	*2.25*		mg/kg wet		*3.33*		*68*	*50-150*		
Duplicate (9020252-DUP1) **Source: SA90415-02**										
Prepared: 04-Feb-09 Analyzed: 06-Feb-09										
Gasoline	BRL		mg/kg dry	28.0		BRL				50
Fuel Oil #2	BRL		mg/kg dry	28.0		BRL				50
Fuel Oil #4	BRL		mg/kg dry	28.0		BRL				50
Fuel Oil #6	BRL		mg/kg dry	28.0		BRL				50
Motor Oil	BRL		mg/kg dry	28.0		BRL				50
Aviation Fuel	BRL		mg/kg dry	28.0		BRL				50
Unidentified	BRL		mg/kg dry	28.0		BRL				50
Other Oil	BRL		mg/kg dry	28.0		BRL				50
Total Petroleum Hydrocarbons	BRL		mg/kg dry	28.0		BRL				50
C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	28.0		BRL				50
Surrogate: 1-Chlorooctadecane	*3.03*		mg/kg dry		*3.51*		*86*	*50-150*		
Matrix Spike (9020252-MS1) **Source: SA90415-02**										
Prepared: 04-Feb-09 Analyzed: 06-Feb-09										
C9-C36 Aliphatic Hydrocarbons	65.4		mg/kg dry	14.4	101	BRL	65	50-150		
Surrogate: 1-Chlorooctadecane	*2.42*		mg/kg dry		*3.61*		*67*	*50-150*		
Matrix Spike Dup (9020252-MSD1) **Source: SA90415-02**										
Prepared: 04-Feb-09 Analyzed: 06-Feb-09										
C9-C36 Aliphatic Hydrocarbons	62.5		mg/kg dry	14.4	101	BRL	62	50-150	4	30
Surrogate: 1-Chlorooctadecane	*3.05*		mg/kg dry		*3.60*		*85*	*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 9020164 - SW846 3050B										
Blank (9020164-BLK1)										
Prepared: 03-Feb-09 Analyzed: 04-Feb-09										
Selenium	BRL		mg/kg wet	1.49						
Lead	BRL		mg/kg wet	1.49						
Chromium	BRL		mg/kg wet	0.996						
Arsenic	BRL		mg/kg wet	1.49						
Cadmium	BRL		mg/kg wet	0.498						
Silver	BRL		mg/kg wet	1.49						
Barium	BRL		mg/kg wet	0.996						
Duplicate (9020164-DUP1)	**Source: SA90545-01**									
Prepared: 03-Feb-09 Analyzed: 04-Feb-09										
Selenium	0.581	J,QR8	mg/kg dry	2.00		0.726			22	20
Lead	65.6		mg/kg dry	2.00		76.9			16	20
Silver	BRL		mg/kg dry	2.00		BRL				20
Chromium	10.4	QR8	mg/kg dry	1.34		8.45			21	20
Cadmium	0.668	QR8	mg/kg dry	0.668		0.486			32	20
Arsenic	3.32	QR8	mg/kg dry	2.00		4.67			34	20
Barium	62.1		mg/kg dry	1.34		75.6			20	20
Matrix Spike (9020164-MS1)	**Source: SA90545-02**									
Prepared: 03-Feb-09 Analyzed: 04-Feb-09										
Selenium	160		mg/kg dry	1.91	159	0.599	100	75-125		
Lead	212	QM9	mg/kg dry	1.91	159	107	66	75-125		
Arsenic	163		mg/kg dry	1.91	159	5.02	100	75-125		
Chromium	159		mg/kg dry	1.27	159	7.41	96	75-125		
Cadmium	158		mg/kg dry	0.635	159	0.683	99	75-125		
Silver	153		mg/kg dry	1.91	159	BRL	97	75-125		
Barium	208		mg/kg dry	1.27	159	60.1	93	75-125		
Matrix Spike Dup (9020164-MSD1)	**Source: SA90545-02**									
Prepared: 03-Feb-09 Analyzed: 04-Feb-09										
Selenium	156		mg/kg dry	1.85	155	0.599	100	75-125	3	20
Lead	223		mg/kg dry	1.85	155	107	75	75-125	5	20
Cadmium	153		mg/kg dry	0.618	155	0.683	99	75-125	3	20
Silver	148		mg/kg dry	1.85	155	BRL	96	75-125	4	20
Chromium	153		mg/kg dry	1.24	155	7.41	94	75-125	4	20
Arsenic	158		mg/kg dry	1.85	155	5.02	99	75-125	3	20
Barium	211		mg/kg dry	1.24	155	60.1	97	75-125	1	20
Post Spike (9020164-PS1)	**Source: SA90545-02**									
Prepared: 03-Feb-09 Analyzed: 04-Feb-09										
Selenium	159		mg/kg dry	1.87	156	0.599	102	80-120		
Arsenic	162		mg/kg dry	1.87	156	5.02	101	80-120		
Cadmium	155		mg/kg dry	0.622	156	0.683	99	80-120		
Chromium	154		mg/kg dry	1.24	156	7.41	94	80-120		
Silver	152		mg/kg dry	1.87	156	BRL	98	80-120		
Barium	203		mg/kg dry	1.24	156	60.1	92	80-120		
Reference (9020164-SRM1)										
Prepared: 03-Feb-09 Analyzed: 04-Feb-09										
Lead	33.4		mg/kg wet	1.50	37.2		90	77.5-122.4		
Selenium	103		mg/kg wet	1.50	101		102	76.8-123.2		
Arsenic	80.7		mg/kg wet	1.50	79.7		101	79.5-120.5		

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 9020164 - SW846 3050B										
Reference (9020164-SRM1)										
Prepared: 03-Feb-09 Analyzed: 04-Feb-09										
Chromium	37.4		mg/kg wet	1.00	39.0		96	80.6-119.3		
Silver	24.4		mg/kg wet	1.50	24.0		102	66.3-133.7		
Cadmium	69.2		mg/kg wet	0.500	72.0		96	80.9-119.9		
Barium	176		mg/kg wet	1.00	185		95	82.6-117.1		
Reference (9020164-SRM2)										
Prepared: 03-Feb-09 Analyzed: 04-Feb-09										
Selenium	104		mg/kg wet	1.50	99.8		104	76.8-123.2		
Lead	34.2		mg/kg wet	1.50	36.7		93	77.5-122.4		
Arsenic	81.3		mg/kg wet	1.50	78.6		103	79.5-120.5		
Silver	23.5		mg/kg wet	1.50	23.6		100	66.3-133.7		
Cadmium	68.8		mg/kg wet	0.500	71.1		97	80.9-119.9		
Chromium	37.3		mg/kg wet	1.00	38.5		97	80.6-119.3		
Barium	181		mg/kg wet	1.00	182		99	82.6-117.1		
Batch 9020165 - EPA200/SW7000 Series										
Blank (9020165-BLK1)										
Prepared: 03-Feb-09 Analyzed: 05-Feb-09										
Mercury	BRL		mg/kg wet	0.0292						
Duplicate (9020165-DUP1) **Source: SA90545-01**										
Prepared: 03-Feb-09 Analyzed: 05-Feb-09										
Mercury	0.150		mg/kg dry	0.0396		0.180			18	20
Matrix Spike (9020165-MS1) **Source: SA90545-02**										
Prepared: 03-Feb-09 Analyzed: 05-Feb-09										
Mercury	1.02		mg/kg dry	0.0376	0.523	0.367	125	75-125		
Matrix Spike Dup (9020165-MSD1) **Source: SA90545-02**										
Prepared: 03-Feb-09 Analyzed: 05-Feb-09										
Mercury	0.987		mg/kg dry	0.0368	0.512	0.367	121	75-125	3	20
Reference (9020165-SRM1)										
Prepared: 03-Feb-09 Analyzed: 05-Feb-09										
Mercury	3.28		mg/kg wet	0.0300	2.94		112	66-135		

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 9020765 - SW846 3010A										
Blank (9020765-BLK1)										
Prepared & Analyzed: 11-Feb-09										
Lead	BRL		mg/l	0.0150						
LCS (9020765-BS1)										
Prepared: 11-Feb-09 Analyzed: 12-Feb-09										
Lead	2.14		mg/l	0.0150	2.50		86	85-115		
LCS Dup (9020765-BSD1)										
Prepared: 11-Feb-09 Analyzed: 12-Feb-09										
Lead	2.16		mg/l	0.0150	2.50		86	85-115	1	20
Duplicate (9020765-DUP1)	**Source: SA90481-02**									
Prepared & Analyzed: 11-Feb-09										
Lead	0.0225		mg/l	0.0150		0.0211			6	20
Matrix Spike (9020765-MS1)	**Source: SA90830-01**									
Prepared: 11-Feb-09 Analyzed: 12-Feb-09										
Lead	3.42		mg/l	0.0150	2.50	1.39	81	75-125		
Matrix Spike Dup (9020765-MSD1)	**Source: SA90830-01**									
Prepared: 11-Feb-09 Analyzed: 12-Feb-09										
Lead	3.48		mg/l	0.0150	2.50	1.39	83	75-125	2	20
Post Spike (9020765-PS1)	**Source: SA90830-01**									
Prepared: 11-Feb-09 Analyzed: 12-Feb-09										
Lead	3.54		mg/l	0.0150	2.50	1.39	86	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 9020768 - SW846 3010A										
Blank (9020768-BLK1)										
Prepared: 11-Feb-09 Analyzed: 12-Feb-09										
Lead	BRL		mg/l	0.0150						
Arsenic	BRL		mg/l	0.0080						
Chromium	BRL		mg/l	0.0100						
Cadmium	BRL		mg/l	0.0050						
LCS (9020768-BS1)										
Prepared: 11-Feb-09 Analyzed: 12-Feb-09										
Lead	2.46		mg/l	0.0150	2.50		98	85-115		
Arsenic	2.47		mg/l	0.0080	2.50		99	85-115		
Chromium	2.53		mg/l	0.0100	2.50		101	85-115		
Cadmium	2.51		mg/l	0.0050	2.50		101	85-115		
LCS Dup (9020768-BSD1)										
Prepared: 11-Feb-09 Analyzed: 12-Feb-09										
Lead	2.45		mg/l	0.0150	2.50		98	85-115	0.5	20
Arsenic	2.44		mg/l	0.0080	2.50		98	85-115	1	20
Chromium	2.53		mg/l	0.0100	2.50		101	85-115	0.08	20
Cadmium	2.50		mg/l	0.0050	2.50		100	85-115	0.7	20
Duplicate (9020768-DUP1) **Source: SA90481-04**										
Prepared: 11-Feb-09 Analyzed: 12-Feb-09										
Lead	0.0094	J	mg/l	0.0150		0.0098			4	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 (9020768-MS1) **Source: SA90545-04**										
Prepared: 11-Feb-09 Analyzed: 12-Feb-09										
Lead	2.46		mg/l	0.0150	2.50	0.0104	98	75-125		
Cadmium	2.49		mg/l	0.0050	2.50	BRL	100	75-125		
Chromium	2.56		mg/l	0.0100	2.50	BRL	102	75-125		
Arsenic	2.46		mg/l	0.0080	2.50	BRL	98	75-125		
Matrix Spike Dup (9020768-MSD1) **Source: SA90545-04**										
Prepared: 11-Feb-09 Analyzed: 12-Feb-09										
Lead	2.50		mg/l	0.0150	2.50	0.0104	100	75-125	1	20
Chromium	2.59		mg/l	0.0100	2.50	BRL	103	75-125	1	20
Cadmium	2.53		mg/l	0.0050	2.50	BRL	101	75-125	1	20
Arsenic	2.51		mg/l	0.0080	2.50	BRL	100	75-125	2	20
Post Spike (9020768-PS1) **Source: SA90545-04**										
Prepared: 11-Feb-09 Analyzed: 12-Feb-09										
Lead	2.51		mg/l	0.0150	2.50	0.0104	100	75-125		
Chromium	2.59		mg/l	0.0100	2.50	BRL	104	75-125		
Arsenic	2.52		mg/l	0.0080	2.50	BRL	101	75-125		
Cadmium	2.55		mg/l	0.0050	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 9020214 - General Preparation										
Duplicate (9020214-DUP1)	**Source: SA90545-01**									
Prepared & Analyzed: 03-Feb-09										
% Solids	71.2		%			73.8			4	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.
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.
QR5	RPD out of acceptance range.
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.
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

SA 90545 OK

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: TetraTech Rizzo
150 Trumbull St. 4th fl.
Hartford CT 06106

Project Mgr.: David Brassard

Invoice To: DAS XX 44236

P.O. No.: _____ RQN: _____

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

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

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analyses: VOC 8260	SVOC 8270	CT ETPH	Herbicides 8151	PCB 8080	Total RCRA 8 Metals
SA90545-01	RSB-C1	1/30/09	1330	G	SO	7	3	2			X	X	X	X	X	X
02	RSB-C2		1300													
03	RSB-C3		1130													
04	RSB-C4		1015													
05	RSB-C5		900													

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

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

Condition upon receipt: [ ] Iced [ ] Ambient [X] C 4.7

Relinquished by:	Received by:	Date:	Time:
Patrick deLaura	[illegible]	2.2.09	1045
[illegible]	[illegible]	2/2/09	1314

SA 90545 UK

SPECTRUM ANALYTICAL, INC.
Powered by 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 06106

Project Mgr.: Patrick Brassard

Invoice To: DAS XX 44236

P.O. No.: _____ RQN: _____

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

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

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analyses: VOC 8260	SVOC 8270	CT ETPH	Herbicides 8151	PCB 8080	Total RCRA 8 Metals	TCLP Pb	SPLP As, Cd, Cr, Pb	QA Reporting Notes: (check if needed)
90545 01	RSB-C1	1/30/09	1330	G	SO	7	3	2			X	X	X	X	X	X			
02	RSB-C2		1300														X		added per client request 2/10
03	RSB-C3		1130														X		
04	RSB-C4		1015														X	X	
✓ 05	RSB-C5	↓	900	↓	↓	↓	↓	↓			↓	↓	↓	↓	↓	↓			

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

- [ ] Fax results when available to (____) _____
- [x] E-mail to patrick.delaura@tetratech.com
- EDD Format _____
- Condition upon receipt: [ ] Iced [ ] Ambient [x] °C 4.7

Relinquished by:	Received by:	Date:	Time:
Patrick deLaura	[illegible]	2-2-09	1045
[illegible]	[illegible]	2/2/09	1514

Report Date:
17-Feb-09 15:03

☑ 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 - Newington, CT
Project 127-17797-08011

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SA90481-01	RSB-C6	Soil	29-Jan-09 13:30	30-Jan-09 16:17
SA90481-02	RSB-C7	Soil	29-Jan-09 11:45	30-Jan-09 16:17
SA90481-03	RSB-C8	Soil	29-Jan-09 10:45	30-Jan-09 16:17
SA90481-04	RSB-C9	Soil	29-Jan-09 10:00	30-Jan-09 16:17
SA90481-05	RSB-C10	Soil	29-Jan-09 09:00	30-Jan-09 16:17

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 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.

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 3.8 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:

9020044-MSD1 *Source: SA90481-02*

The RPD exceeded the QC control limits; however precision is demonstrated with acceptable RPD values for batch duplicate.

Lead

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

Lead

9020294-MS1 *Source: SA90481-03*

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

Lead

9020294-MSD1 *Source: SA90481-03*

RPD out of acceptance range. The batch is accepted based upon LCS and/or LCSD recovery.

Lead

Duplicates:

9020294-DUP1 *Source: SA90481-03*

RPD out of acceptance range. The batch is accepted based upon LCS and/or LCSD recovery.

Lead

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

Arsenic

SW846 7471A

Spikes:

9020045-MS1 *Source: SA90481-02*

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.

Mercury

9020045-MSD1 *Source: SA90481-02*

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.

Mercury

SW846 7471A

Duplicates:

9020045-DUP1 *Source: SA90481-01*

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

Mercury

SW846 8081A

Spikes:

9020137-MSD1 *Source: SA90481-05*

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.

4,4'-DDE (p,p') [2C]
alpha-BHC [2C]
alpha-Chlordane [2C]
beta-BHC [2C]
delta-BHC [2C]
Endosulfan I [2C]
Endosulfan sulfate
Endrin aldehyde [2C]
Heptachlor [2C]
Heptachlor epoxide [2C]
Methoxychlor [2C]

SW846 8151A

Laboratory Control Samples:

9020246-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.

Dalapon

SW846 8260B

SW846 8260B

Laboratory Control Samples:

9020038-BS1

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

Chloromethane
Ethanol

Analyte out of acceptance range.

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

9020038-BSD1

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

Chloromethane
Ethanol

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

9020177-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.

trans-1,4-Dichloro-2-butene

9020177-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

Samples:

SA90481-02 *RSB-C7*

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:

9020219-BS1

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

4-Chloroaniline
Aniline

SW846 8270C

Spikes:

9020219-MSD1 *Source: SA90481-02*

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

Benzo (b) fluoranthene
Indeno (1,2,3-cd) pyrene
Pyrene

Duplicates:

9020219-DUP1 *Source: SA90481-02*

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

Chrysene
Fluoranthene
Phenanthrene
Pyrene

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C6	127-17797-08011	Soil	29-Jan-09 13:30	30-Jan-09
SA90481-01				

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	02-Feb-09	02-Feb-09	9020087	
Volatile Organic Compounds											
Prepared by method SW846 5035A Soil (low level)						Initial weight: 5.66 g					
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	7.4	1	SW846 8260B	02-Feb-09	02-Feb-09	9020038	X
67-64-1	Acetone	BRL		µg/kg dry	74.3	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	7.4	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	7.4	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	7.4	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	7.4	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	14.9	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	74.3	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	37.1	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	7.4	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	14.9	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	7.4	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	14.9	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	14.9	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	7.4	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	7.4	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	7.4	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	14.9	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	7.4	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	7.4	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	7.4	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	7.4	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	7.4	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	74.3	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	7.4	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	74.3	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	74.3	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	7.4	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C6 SA90481-01	127-17797-08011	Soil	29-Jan-09 13:30	30-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
Volatile Organic Compounds						Initial weight: 5.66 g					
Prepared by method SW846 5035A Soil (low level)											
103-65-1	n-Propylbenzene	BRL		µg/kg dry	7.4	1	SW846 8260B	02-Feb-09	02-Feb-09	9020038	X
100-42-5	Styrene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	7.4	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	7.4	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	7.4	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	7.4	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	7.4	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	7.4	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	7.4	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	7.4	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	7.4	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	14.9	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	74.3	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	7.4	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	7.4	1	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	7.4	1	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	7.4	1	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	74.3	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	149	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	37.1	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	2970	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*	*123*		*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	431	1	SW846 8270C	03-Feb-09	04-Feb-09	9020219	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	431	1	"	"	"	"	X
62-53-3	Aniline	BRL		µg/kg dry	431	1	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	431	1	"	"	"	"	X
1912-24-9	Atrazine	BRL		µg/kg dry	431	1	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/kg dry	431	1	"	"	"	"	
92-87-5	Benzidine	BRL		µg/kg dry	431	1	"	"	"	"	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	431	1	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	431	1	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	431	1	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	431	1	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	431	1	"	"	"	"	X
65-85-0	Benzoic acid	BRL		µg/kg dry	431	1	"	"	"	"	X
100-51-6	Benzyl alcohol	BRL		µg/kg dry	431	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C6	127-17797-08011	Soil	29-Jan-09 13:30	30-Jan-09
SA90481-01				

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	431	1	SW846 8270C	03-Feb-09	04-Feb-09	9020219	X
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/kg dry	431	1	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	431	1	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	431	1	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/kg dry	431	1	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	BRL		µg/kg dry	431	1	"	"	"	"	X
86-74-8	Carbazole	BRL		µg/kg dry	431	1	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	BRL		µg/kg dry	431	1	"	"	"	"	X
106-47-8	4-Chloroaniline	BRL		µg/kg dry	431	1	"	"	"	"	X
91-58-7	2-Chloronaphthalene	BRL		µg/kg dry	431	1	"	"	"	"	X
95-57-8	2-Chlorophenol	BRL		µg/kg dry	431	1	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/kg dry	431	1	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	431	1	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	431	1	"	"	"	"	X
132-64-9	Dibenzofuran	BRL		µg/kg dry	431	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	431	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	431	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	431	1	"	"	"	"	X
91-94-1	3,3'-Dichlorobenzidine	BRL		µg/kg dry	431	1	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	BRL		µg/kg dry	431	1	"	"	"	"	X
84-66-2	Diethyl phthalate	BRL		µg/kg dry	431	1	"	"	"	"	X
131-11-3	Dimethyl phthalate	BRL		µg/kg dry	431	1	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	BRL		µg/kg dry	431	1	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	BRL		µg/kg dry	431	1	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	431	1	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	BRL		µg/kg dry	431	1	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	BRL		µg/kg dry	431	1	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	BRL		µg/kg dry	431	1	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	BRL		µg/kg dry	431	1	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	431	1	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	431	1	"	"	"	"	X
118-74-1	Hexachlorobenzene	BRL		µg/kg dry	431	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	431	1	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	BRL		µg/kg dry	431	1	"	"	"	"	X
67-72-1	Hexachloroethane	BRL		µg/kg dry	431	1	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	431	1	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	431	1	"	"	"	"	
78-59-1	Isophorone	BRL		µg/kg dry	431	1	"	"	"	"	X
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	431	1	"	"	"	"	X
95-48-7	2-Methylphenol	BRL		µg/kg dry	431	1	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	BRL		µg/kg dry	431	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	431	1	"	"	"	"	X
88-74-4	2-Nitroaniline	BRL		µg/kg dry	431	1	"	"	"	"	X
99-09-2	3-Nitroaniline	BRL		µg/kg dry	431	1	"	"	"	"	X
100-01-6	4-Nitroaniline	BRL		µg/kg dry	1730	1	"	"	"	"	X
98-95-3	Nitrobenzene	BRL		µg/kg dry	431	1	"	"	"	"	X
88-75-5	2-Nitrophenol	BRL		µg/kg dry	431	1	"	"	"	"	X
100-02-7	4-Nitrophenol	BRL		µg/kg dry	1730	1	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	BRL		µg/kg dry	431	1	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/kg dry	431	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C6 SA90481-01	127-17797-08011	Soil	29-Jan-09 13:30	30-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	431	1	SW846 8270C	03-Feb-09	04-Feb-09	9020219	X
87-86-5	Pentachlorophenol	BRL		µg/kg dry	431	1	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	431	1	"	"	"	"	X
108-95-2	Phenol	BRL		µg/kg dry	431	1	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	431	1	"	"	"	"	X
110-86-1	Pyridine	BRL		µg/kg dry	431	1	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	431	1	"	"	"	"	X
95-95-4	2,4,5-Trichlorophenol	BRL		µg/kg dry	431	1	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	BRL		µg/kg dry	431	1	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	BRL		µg/kg dry	431	1	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	431	1	"	"	"	"	X
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*70*		*30-130 %*			"	"	"	"	
367-12-4	*2-Fluorophenol*	*56*		*15-110 %*			"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*64*		*30-130 %*			"	"	"	"	
4165-62-2	*Phenol-d5*	*66*		*15-110 %*			"	"	"	"	
1718-51-0	*Terphenyl-d14*	*68*		*30-130 %*			"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*61*		*15-110 %*			"	"	"	"	
Semivolatile Organic Compounds by GC											
Organochlorine Pesticides SW846 8081A											
Prepared by method SW846 3550B											
319-84-6	alpha-BHC	BRL		µg/kg dry	6.54	1	SW846 8081A	03-Feb-09	03-Feb-09	9020137	X
319-85-7	beta-BHC	BRL		µg/kg dry	6.54	1	"	"	"	"	X
319-86-8	delta-BHC	BRL		µg/kg dry	6.54	1	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	BRL		µg/kg dry	6.54	1	"	"	"	"	X
76-44-8	Heptachlor	BRL		µg/kg dry	6.54	1	"	"	"	"	X
309-00-2	Aldrin	BRL		µg/kg dry	6.54	1	"	"	"	"	X
1024-57-3	Heptachlor epoxide	BRL		µg/kg dry	6.54	1	"	"	"	"	X
959-98-8	Endosulfan I	BRL		µg/kg dry	6.54	1	"	"	"	"	X
60-57-1	Dieldrin	BRL		µg/kg dry	6.54	1	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	BRL		µg/kg dry	6.54	1	"	"	"	"	X
72-20-8	Endrin	BRL		µg/kg dry	6.54	1	"	"	"	"	X
33213-65-9	Endosulfan II	BRL		µg/kg dry	6.54	1	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	BRL		µg/kg dry	6.54	1	"	"	"	"	X
1031-07-8	Endosulfan sulfate	BRL		µg/kg dry	6.54	1	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	BRL		µg/kg dry	6.54	1	"	"	"	"	X
72-43-5	Methoxychlor	BRL		µg/kg dry	6.54	1	"	"	"	"	X
53494-70-5	Endrin ketone	BRL		µg/kg dry	6.54	1	"	"	"	"	X
7421-93-4	Endrin aldehyde	BRL		µg/kg dry	6.54	1	"	"	"	"	X
5103-71-9	alpha-Chlordane	BRL		µg/kg dry	6.54	1	"	"	"	"	X
5566-34-7	gamma-Chlordane	BRL		µg/kg dry	6.54	1	"	"	"	"	X
8001-35-2	Toxaphene	BRL		µg/kg dry	32.7	1	"	"	"	"	X
57-74-9	Chlordane	BRL		µg/kg dry	32.7	1	"	"	"	"	X
15972-60-8	Alachlor	BRL		µg/kg dry	13.1	1	"	"	"	"	
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*80*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*52*		*30-150 %*			"	"	"	"	
Polychlorinated Biphenyls by SW846 8082											
Prepared by method SW846 3550B											
12674-11-2	PCB 1016	BRL		µg/kg dry	13.1	1	SW846 8082	03-Feb-09	04-Feb-09	9020140	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C6 SA90481-01	127-17797-08011	Soil	29-Jan-09 13:30	30-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GC											
Polychlorinated Biphenyls by SW846 8082											
Prepared by method SW846 3550B											
11104-28-2	PCB 1221	BRL		µg/kg dry	13.1	1	SW846 8082	03-Feb-09	04-Feb-09	9020140	X
11141-16-5	PCB 1232	BRL		µg/kg dry	13.1	1	"	"	"	"	X
53469-21-9	PCB 1242	BRL		µg/kg dry	13.1	1	"	"	"	"	X
12672-29-6	PCB 1248	BRL		µg/kg dry	13.1	1	"	"	"	"	X
11097-69-1	PCB 1254	BRL		µg/kg dry	13.1	1	"	"	"	"	X
11096-82-5	PCB 1260	BRL		µg/kg dry	13.1	1	"	"	"	"	X
37324-23-5	PCB 1262	BRL		µg/kg dry	13.1	1	"	"	"	"	X
11100-14-4	PCB 1268	BRL		µg/kg dry	13.1	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*56*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*43*		*30-150 %*			"	"	"	"	
Chlorinated Herbicides by SW846 8151A											
Prepared by method SW846 3550B											
93-76-5	2,4,5-T	BRL		µg/kg dry	6.70	1	SW846 8151A	04-Feb-09	05-Feb-09	9020246	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											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3550B											
8006-61-9	Gasoline	BRL		mg/kg dry	17.4	1	+CT ETPH	03-Feb-09	04-Feb-09	9020217	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	17.4	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	17.4	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	17.4	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	17.4	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	17.4	1	"	"	"	"	
	Unidentified	BRL		mg/kg dry	17.4	1	"	"	"	"	
	Other Oil	BRL		mg/kg dry	17.4	1	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL		mg/kg dry	17.4	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	17.4	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	1.73	1	SW846 6010B	02-Feb-09	03-Feb-09	9020044	X
7440-38-2	Arsenic	7.48		mg/kg dry	1.73	1	"	"	"	"	X
7440-39-3	Barium	94.7		mg/kg dry	1.15	1	"	"	"	"	X
7440-43-9	Cadmium	0.774		mg/kg dry	0.577	1	"	"	"	"	X
7440-47-3	Chromium	7.99		mg/kg dry	1.15	1	"	"	"	"	X
7439-97-6	Mercury	0.177		mg/kg dry	0.0341	1	SW846 7471A	"	03-Feb-09	9020045	X
7439-92-1	Lead	182		mg/kg dry	1.73	1	SW846 6010B	"	03-Feb-09	9020044	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C6 SA90481-01	127-17797-08011	Soil	29-Jan-09 13:30	30-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Total Metals by EPA 6000/7000 Series Methods											
7782-49-2	Selenium	BRL		mg/kg dry	1.73	1	SW846 6010B	02-Feb-09	03-Feb-09	9020044	X
TCLP Metals by EPA 1311 & 6000/7000 Series Methods											
	TCLP Extraction	Completed		N/A		1	SW846 1311	10-Feb-09	10-Feb-09	9020757	X
7439-92-1	Lead	0.0155		mg/l	0.0150	1	SW846 1311/6010B	11-Feb-09	11-Feb-09	9020765	X
General Chemistry Parameters											
	% Solids	75.8		%		1	SM2540 G Mod.	02-Feb-09	02-Feb-09	9020077	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C7 SA90481-02	127-17797-08011	Soil	29-Jan-09 11:45	30-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	02-Feb-09	02-Feb-09	9020087	
Volatile Organic Compounds			VC10								
Prepared by method SW846 5035A Soil (low level)						Initial weight: 6.65 g					
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	6.7	1	SW846 8260B	02-Feb-09	02-Feb-09	9020038	X
67-64-1	Acetone	BRL		µg/kg dry	67.2	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	6.7	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	6.7	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	6.7	1	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	6.7	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	6.7	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	6.7	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	13.4	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	67.2	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	6.7	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	6.7	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	6.7	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	33.6	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	6.7	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	6.7	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	13.4	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	6.7	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	13.4	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	6.7	1	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	6.7	1	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	13.4	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	6.7	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	6.7	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	6.7	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	6.7	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	6.7	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	6.7	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	16.9		µg/kg dry	13.4	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	6.7	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	6.7	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	6.7	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	6.7	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	6.7	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	6.7	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	6.7	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	6.7	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	6.7	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	6.7	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	6.7	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	6.7	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	6.7	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	67.2	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	6.7	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	6.7	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	6.7	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	67.2	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	67.2	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	6.7	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C7 SA90481-02	127-17797-08011	Soil	29-Jan-09 11:45	30-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
Volatile Organic Compounds			VC10			Initial weight: 6.65 g					
Prepared by method SW846 5035A Soil (low level)											
103-65-1	n-Propylbenzene	BRL		µg/kg dry	6.7	1	SW846 8260B	02-Feb-09	02-Feb-09	9020038	X
100-42-5	Styrene	BRL		µg/kg dry	6.7	1	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	6.7	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	6.7	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	6.7	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	6.7	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	6.7	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	6.7	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	6.7	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	6.7	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	6.7	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	6.7	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	6.7	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	6.7	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	6.7	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	6.7	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	6.7	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	13.4	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	6.7	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	67.2	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	6.7	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	6.7	1	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	6.7	1	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	6.7	1	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	67.2	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	134	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	33.6	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	2690	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*	*123*		*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	436	1	SW846 8270C	03-Feb-09	04-Feb-09	9020219	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	436	1	"	"	"	"	X
62-53-3	Aniline	BRL		µg/kg dry	436	1	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	436	1	"	"	"	"	X
1912-24-9	Atrazine	BRL		µg/kg dry	436	1	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/kg dry	436	1	"	"	"	"	
92-87-5	Benzidine	BRL		µg/kg dry	436	1	"	"	"	"	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	436	1	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	436	1	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	436	1	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	436	1	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	436	1	"	"	"	"	X
65-85-0	Benzoic acid	BRL		µg/kg dry	436	1	"	"	"	"	X
100-51-6	Benzyl alcohol	BRL		µg/kg dry	436	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C7 SA90481-02	127-17797-08011	Soil	29-Jan-09 11:45	30-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	436	1	SW846 8270C	03-Feb-09	04-Feb-09	9020219	X
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/kg dry	436	1	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	436	1	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	436	1	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/kg dry	436	1	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	BRL		µg/kg dry	436	1	"	"	"	"	X
86-74-8	Carbazole	BRL		µg/kg dry	436	1	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	BRL		µg/kg dry	436	1	"	"	"	"	X
106-47-8	4-Chloroaniline	BRL		µg/kg dry	436	1	"	"	"	"	X
91-58-7	2-Chloronaphthalene	BRL		µg/kg dry	436	1	"	"	"	"	X
95-57-8	2-Chlorophenol	BRL		µg/kg dry	436	1	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/kg dry	436	1	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	436	1	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	436	1	"	"	"	"	X
132-64-9	Dibenzofuran	BRL		µg/kg dry	436	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	436	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	436	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	436	1	"	"	"	"	X
91-94-1	3,3'-Dichlorobenzidine	BRL		µg/kg dry	436	1	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	BRL		µg/kg dry	436	1	"	"	"	"	X
84-66-2	Diethyl phthalate	BRL		µg/kg dry	436	1	"	"	"	"	X
131-11-3	Dimethyl phthalate	BRL		µg/kg dry	436	1	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	BRL		µg/kg dry	436	1	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	BRL		µg/kg dry	436	1	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	436	1	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	BRL		µg/kg dry	436	1	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	BRL		µg/kg dry	436	1	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	BRL		µg/kg dry	436	1	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	BRL		µg/kg dry	436	1	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	436	1	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	436	1	"	"	"	"	X
118-74-1	Hexachlorobenzene	BRL		µg/kg dry	436	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	436	1	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	BRL		µg/kg dry	436	1	"	"	"	"	X
67-72-1	Hexachloroethane	BRL		µg/kg dry	436	1	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	436	1	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	436	1	"	"	"	"	
78-59-1	Isophorone	BRL		µg/kg dry	436	1	"	"	"	"	X
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	436	1	"	"	"	"	X
95-48-7	2-Methylphenol	BRL		µg/kg dry	436	1	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	BRL		µg/kg dry	436	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	436	1	"	"	"	"	X
88-74-4	2-Nitroaniline	BRL		µg/kg dry	436	1	"	"	"	"	X
99-09-2	3-Nitroaniline	BRL		µg/kg dry	436	1	"	"	"	"	X
100-01-6	4-Nitroaniline	BRL		µg/kg dry	1750	1	"	"	"	"	X
98-95-3	Nitrobenzene	BRL		µg/kg dry	436	1	"	"	"	"	X
88-75-5	2-Nitrophenol	BRL		µg/kg dry	436	1	"	"	"	"	X
100-02-7	4-Nitrophenol	BRL		µg/kg dry	1750	1	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	BRL		µg/kg dry	436	1	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/kg dry	436	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C7 SA90481-02	127-17797-08011	Soil	29-Jan-09 11:45	30-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	436	1	SW846 8270C	03-Feb-09	04-Feb-09	9020219	X
87-86-5	Pentachlorophenol	BRL		µg/kg dry	436	1	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	436	1	"	"	"	"	X
108-95-2	Phenol	BRL		µg/kg dry	436	1	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	436	1	"	"	"	"	X
110-86-1	Pyridine	BRL		µg/kg dry	436	1	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	436	1	"	"	"	"	X
95-95-4	2,4,5-Trichlorophenol	BRL		µg/kg dry	436	1	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	BRL		µg/kg dry	436	1	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	BRL		µg/kg dry	436	1	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	436	1	"	"	"	"	X
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*55*		*30-130 %*			"	"	"	"	
367-12-4	*2-Fluorophenol*	*51*		*15-110 %*			"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*49*		*30-130 %*			"	"	"	"	
4165-62-2	*Phenol-d5*	*55*		*15-110 %*			"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*53*		*30-130 %*			"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*49*		*15-110 %*			"	"	"	"	
Semivolatile Organic Compounds by GC											
Organochlorine Pesticides SW846 8081A											
Prepared by method SW846 3550B											
319-84-6	alpha-BHC	BRL		µg/kg dry	6.54	1	SW846 8081A	03-Feb-09	03-Feb-09	9020137	X
319-85-7	beta-BHC	BRL		µg/kg dry	6.54	1	"	"	"	"	X
319-86-8	delta-BHC	BRL		µg/kg dry	6.54	1	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	BRL		µg/kg dry	6.54	1	"	"	"	"	X
76-44-8	Heptachlor	BRL		µg/kg dry	6.54	1	"	"	"	"	X
309-00-2	Aldrin	BRL		µg/kg dry	6.54	1	"	"	"	"	X
1024-57-3	Heptachlor epoxide	BRL		µg/kg dry	6.54	1	"	"	"	"	X
959-98-8	Endosulfan I	BRL		µg/kg dry	6.54	1	"	"	"	"	X
60-57-1	Dieldrin	BRL		µg/kg dry	6.54	1	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	BRL		µg/kg dry	6.54	1	"	"	"	"	X
72-20-8	Endrin	BRL		µg/kg dry	6.54	1	"	"	"	"	X
33213-65-9	Endosulfan II	BRL		µg/kg dry	6.54	1	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	BRL		µg/kg dry	6.54	1	"	"	"	"	X
1031-07-8	Endosulfan sulfate	BRL		µg/kg dry	6.54	1	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	BRL		µg/kg dry	6.54	1	"	"	"	"	X
72-43-5	Methoxychlor	BRL		µg/kg dry	6.54	1	"	"	"	"	X
53494-70-5	Endrin ketone	BRL		µg/kg dry	6.54	1	"	"	"	"	X
7421-93-4	Endrin aldehyde	BRL		µg/kg dry	6.54	1	"	"	"	"	X
5103-71-9	alpha-Chlordane	BRL		µg/kg dry	6.54	1	"	"	"	"	X
5566-34-7	gamma-Chlordane	BRL		µg/kg dry	6.54	1	"	"	"	"	X
8001-35-2	Toxaphene	BRL		µg/kg dry	32.7	1	"	"	"	"	X
57-74-9	Chlordane	BRL		µg/kg dry	32.7	1	"	"	"	"	X
15972-60-8	Alachlor	BRL		µg/kg dry	13.1	1	"	"	"	"	
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*106*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*55*		*30-150 %*			"	"	"	"	
Polychlorinated Biphenyls by SW846 8082											
Prepared by method SW846 3550B											
12674-11-2	PCB 1016	BRL		µg/kg dry	13.1	1	SW846 8082	03-Feb-09	04-Feb-09	9020140	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C7 SA90481-02	127-17797-08011	Soil	29-Jan-09 11:45	30-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GC											
Polychlorinated Biphenyls by SW846 8082											
Prepared by method SW846 3550B											
11104-28-2	PCB 1221	BRL		µg/kg dry	13.1	1	SW846 8082	03-Feb-09	04-Feb-09	9020140	X
11141-16-5	PCB 1232	BRL		µg/kg dry	13.1	1	"	"	"	"	X
53469-21-9	PCB 1242	BRL		µg/kg dry	13.1	1	"	"	"	"	X
12672-29-6	PCB 1248	BRL		µg/kg dry	13.1	1	"	"	"	"	X
11097-69-1	PCB 1254	BRL		µg/kg dry	13.1	1	"	"	"	"	X
11096-82-5	PCB 1260	BRL		µg/kg dry	13.1	1	"	"	"	"	X
37324-23-5	PCB 1262	BRL		µg/kg dry	13.1	1	"	"	"	"	X
11100-14-4	PCB 1268	BRL		µg/kg dry	13.1	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*59*		*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	04-Feb-09	05-Feb-09	9020246	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)*	*53*		*30-150 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3550B											
8006-61-9	Gasoline	BRL		mg/kg dry	17.6	1	+CT ETPH	03-Feb-09	04-Feb-09	9020217	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	17.6	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	17.6	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	17.6	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	17.6	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	17.6	1	"	"	"	"	
	Unidentified	BRL		mg/kg dry	17.6	1	"	"	"	"	
	Other Oil	BRL		mg/kg dry	17.6	1	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL		mg/kg dry	17.6	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	17.6	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*74*		*50-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	BRL		mg/kg dry	1.81	1	SW846 6010B	02-Feb-09	03-Feb-09	9020044	X
7440-38-2	Arsenic	4.44		mg/kg dry	1.81	1	"	"	"	"	X
7440-39-3	Barium	63.2		mg/kg dry	1.21	1	"	"	"	"	X
7440-43-9	Cadmium	BRL		mg/kg dry	0.603	1	"	"	"	"	X
7440-47-3	Chromium	8.05		mg/kg dry	1.21	1	"	"	"	"	X
7439-97-6	Mercury	1.45		mg/kg dry	0.0362	1	SW846 7471A	"	03-Feb-09	9020045	X
7439-92-1	Lead	151		mg/kg dry	1.81	1	SW846 6010B	"	03-Feb-09	9020044	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C7 SA90481-02	127-17797-08011	Soil	29-Jan-09 11:45	30-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Total Metals by EPA 6000/7000 Series Methods											
7782-49-2	Selenium	BRL		mg/kg dry	1.81	1	SW846 6010B	02-Feb-09	03-Feb-09	9020044	X
TCLP Metals by EPA 1311 & 6000/7000 Series Methods											
	TCLP Extraction	Completed		N/A		1	SW846 1311	10-Feb-09	10-Feb-09	9020757	X
7439-92-1	Lead	0.0211		mg/l	0.0150	1	SW846 1311/6010B	11-Feb-09	11-Feb-09	9020765	X
General Chemistry Parameters											
	% Solids	74.8		%		1	SM2540 G Mod.	02-Feb-09	02-Feb-09	9020077	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C8 SA90481-03	127-17797-08011	Soil	29-Jan-09 10:45	30-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	02-Feb-09	02-Feb-09	9020087	
Volatile Organic Compounds											
Prepared by method SW846 5035A Soil (low level)						Initial weight: 5.73 g					
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	5.8	1	SW846 8260B	02-Feb-09	02-Feb-09	9020038	X
67-64-1	Acetone	BRL		µg/kg dry	57.8	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	57.8	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	57.8	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	57.8	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	57.8	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	5.8	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C8 SA90481-03	127-17797-08011	Soil	29-Jan-09 10:45	30-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
Volatile Organic Compounds					Initial weight: 5.73 g						
Prepared by method SW846 5035A Soil (low level)											
103-65-1	n-Propylbenzene	BRL		µg/kg dry	5.8	1	SW846 8260B	02-Feb-09	02-Feb-09	9020038	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	57.8	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	57.8	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	2310	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*85*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*94*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*119*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*102*		*70-130 %*			"	"	"	"	
Semivolatile Organic Compounds by GCMS											
	SPLP Extraction	Completed		N/A		1	SW846 1312	10-Feb-09	10-Feb-09	9020758	
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
83-32-9	Acenaphthene	BRL		µg/kg dry	377	1	SW846 8270C	03-Feb-09	04-Feb-09	9020219	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	377	1	"	"	"	"	X
62-53-3	Aniline	BRL		µg/kg dry	377	1	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	377	1	"	"	"	"	X
1912-24-9	Atrazine	BRL		µg/kg dry	377	1	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/kg dry	377	1	"	"	"	"	
92-87-5	Benzidine	BRL		µg/kg dry	377	1	"	"	"	"	X
56-55-3	Benzo (a) anthracene	997		µg/kg dry	377	1	"	"	"	"	X
50-32-8	Benzo (a) pyrene	919		µg/kg dry	377	1	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	796		µg/kg dry	377	1	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	536		µg/kg dry	377	1	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	918		µg/kg dry	377	1	"	"	"	"	X
65-85-0	Benzoic acid	BRL		µg/kg dry	377	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C8	127-17797-08011	Soil	29-Jan-09 10:45	30-Jan-09
SA90481-03				

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	377	1	SW846 8270C	03-Feb-09	04-Feb-09	9020219	X
111-91-1	Bis(2-chloroethoxy)methane	BRL		µg/kg dry	377	1	"	"	"	"	X
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/kg dry	377	1	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	377	1	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	377	1	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/kg dry	377	1	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	BRL		µg/kg dry	377	1	"	"	"	"	X
86-74-8	Carbazole	BRL		µg/kg dry	377	1	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	BRL		µg/kg dry	377	1	"	"	"	"	X
106-47-8	4-Chloroaniline	BRL		µg/kg dry	377	1	"	"	"	"	X
91-58-7	2-Chloronaphthalene	BRL		µg/kg dry	377	1	"	"	"	"	X
95-57-8	2-Chlorophenol	BRL		µg/kg dry	377	1	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/kg dry	377	1	"	"	"	"	X
218-01-9	Chrysene	1,110		µg/kg dry	377	1	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	377	1	"	"	"	"	X
132-64-9	Dibenzofuran	BRL		µg/kg dry	377	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	377	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	377	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	377	1	"	"	"	"	X
91-94-1	3,3'-Dichlorobenzidine	BRL		µg/kg dry	377	1	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	BRL		µg/kg dry	377	1	"	"	"	"	X
84-66-2	Diethyl phthalate	BRL		µg/kg dry	377	1	"	"	"	"	X
131-11-3	Dimethyl phthalate	BRL		µg/kg dry	377	1	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	BRL		µg/kg dry	377	1	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	BRL		µg/kg dry	377	1	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	377	1	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	BRL		µg/kg dry	377	1	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	BRL		µg/kg dry	377	1	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	BRL		µg/kg dry	377	1	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	BRL		µg/kg dry	377	1	"	"	"	"	X
206-44-0	Fluoranthene	2,440		µg/kg dry	377	1	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	377	1	"	"	"	"	X
118-74-1	Hexachlorobenzene	BRL		µg/kg dry	377	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	377	1	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	BRL		µg/kg dry	377	1	"	"	"	"	X
67-72-1	Hexachloroethane	BRL		µg/kg dry	377	1	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	477		µg/kg dry	377	1	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	377	1	"	"	"	"	
78-59-1	Isophorone	BRL		µg/kg dry	377	1	"	"	"	"	X
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	377	1	"	"	"	"	X
95-48-7	2-Methylphenol	BRL		µg/kg dry	377	1	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	BRL		µg/kg dry	377	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	377	1	"	"	"	"	X
88-74-4	2-Nitroaniline	BRL		µg/kg dry	377	1	"	"	"	"	X
99-09-2	3-Nitroaniline	BRL		µg/kg dry	377	1	"	"	"	"	X
100-01-6	4-Nitroaniline	BRL		µg/kg dry	1510	1	"	"	"	"	X
98-95-3	Nitrobenzene	BRL		µg/kg dry	377	1	"	"	"	"	X
88-75-5	2-Nitrophenol	BRL		µg/kg dry	377	1	"	"	"	"	X
100-02-7	4-Nitrophenol	BRL		µg/kg dry	1510	1	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	BRL		µg/kg dry	377	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C8 SA90481-03	127-17797-08011	Soil	29-Jan-09 10:45	30-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	377	1	SW846 8270C	03-Feb-09	04-Feb-09	9020219	X
86-30-6	N-Nitrosodiphenylamine	BRL		µg/kg dry	377	1	"	"	"	"	X
87-86-5	Pentachlorophenol	BRL		µg/kg dry	377	1	"	"	"	"	X
85-01-8	Phenanthrene	1,960		µg/kg dry	377	1	"	"	"	"	X
108-95-2	Phenol	BRL		µg/kg dry	377	1	"	"	"	"	X
129-00-0	Pyrene	2,680		µg/kg dry	377	1	"	"	"	"	X
110-86-1	Pyridine	BRL		µg/kg dry	377	1	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	377	1	"	"	"	"	X
95-95-4	2,4,5-Trichlorophenol	BRL		µg/kg dry	377	1	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	BRL		µg/kg dry	377	1	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	BRL		µg/kg dry	377	1	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	377	1	"	"	"	"	X
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*62*		*30-130 %*			"	"	"	"	
367-12-4	*2-Fluorophenol*	*53*		*15-110 %*			"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*56*		*30-130 %*			"	"	"	"	
4165-62-2	*Phenol-d5*	*61*		*15-110 %*			"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*64*		*30-130 %*			"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*54*		*15-110 %*			"	"	"	"	
SPLP PAHs by SW846 1312/8270C											
Prepared by method SW846 3535											
83-32-9	Acenaphthene	BRL		µg/l	0.200	1	SW846 1312/8270C	11-Feb-09	12-Feb-09	9020839	X
208-96-8	Acenaphthylene	BRL		µg/l	0.200	1	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/l	0.200	1	"	"	"	"	
120-12-7	Anthracene	BRL		µg/l	0.200	1	"	"	"	"	X
56-55-3	Benzo (a) anthracene	BRL		µg/l	0.200	1	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/l	0.200	1	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/l	0.200	1	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/l	0.200	1	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/l	0.200	1	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/l	0.200	1	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/l	0.200	1	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/l	0.200	1	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/l	0.200	1	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/l	0.200	1	"	"	"	"	X
91-57-6	2-Methylnaphthalene	BRL		µg/l	0.200	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/l	0.200	1	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/l	0.200	1	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/l	0.200	1	"	"	"	"	X
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*68*		*30-130 %*			"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*59*		*30-130 %*			"	"	"	"	
Semivolatile Organic Compounds by GC											
Organochlorine Pesticides SW846 8081A											
Prepared by method SW846 3550B											
319-84-6	alpha-BHC	BRL		µg/kg dry	5.75	1	SW846 8081A	03-Feb-09	03-Feb-09	9020137	X
319-85-7	beta-BHC	BRL		µg/kg dry	5.75	1	"	"	"	"	X
319-86-8	delta-BHC	BRL		µg/kg dry	5.75	1	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	BRL		µg/kg dry	5.75	1	"	"	"	"	X
76-44-8	Heptachlor	BRL		µg/kg dry	5.75	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C8 SA90481-03	127-17797-08011	Soil	29-Jan-09 10:45	30-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GC											
Organochlorine Pesticides SW846 8081A											
Prepared by method SW846 3550B											
309-00-2	Aldrin	BRL		µg/kg dry	5.75	1	SW846 8081A	03-Feb-09	03-Feb-09	9020137	X
1024-57-3	Heptachlor epoxide	BRL		µg/kg dry	5.75	1	"	"	"	"	X
959-98-8	Endosulfan I	BRL		µg/kg dry	5.75	1	"	"	"	"	X
60-57-1	Dieldrin	BRL		µg/kg dry	5.75	1	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	BRL		µg/kg dry	5.75	1	"	"	"	"	X
72-20-8	Endrin	BRL		µg/kg dry	5.75	1	"	"	"	"	X
33213-65-9	Endosulfan II	BRL		µg/kg dry	5.75	1	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	BRL		µg/kg dry	5.75	1	"	"	"	"	X
1031-07-8	Endosulfan sulfate	BRL		µg/kg dry	5.75	1	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	24.4		µg/kg dry	5.75	1	"	"	"	"	X
72-43-5	Methoxychlor	BRL		µg/kg dry	5.75	1	"	"	"	"	X
53494-70-5	Endrin ketone	BRL		µg/kg dry	5.75	1	"	"	"	"	X
7421-93-4	Endrin aldehyde	BRL		µg/kg dry	5.75	1	"	"	"	"	X
5103-71-9	alpha-Chlordane	BRL		µg/kg dry	5.75	1	"	"	"	"	X
5566-34-7	gamma-Chlordane	BRL		µg/kg dry	5.75	1	"	"	"	"	X
8001-35-2	Toxaphene	BRL		µg/kg dry	28.8	1	"	"	"	"	X
57-74-9	Chlordane	BRL		µg/kg dry	28.8	1	"	"	"	"	X
15972-60-8	Alachlor	BRL		µg/kg dry	11.5	1	"	"	"	"	
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*82*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*57*		*30-150 %*			"	"	"	"	
Polychlorinated Biphenyls by SW846 8082											
Prepared by method SW846 3550B											
12674-11-2	PCB 1016	BRL		µg/kg dry	11.5	1	SW846 8082	03-Feb-09	04-Feb-09	9020140	X
11104-28-2	PCB 1221	BRL		µg/kg dry	11.5	1	"	"	"	"	X
11141-16-5	PCB 1232	BRL		µg/kg dry	11.5	1	"	"	"	"	X
53469-21-9	PCB 1242	BRL		µg/kg dry	11.5	1	"	"	"	"	X
12672-29-6	PCB 1248	BRL		µg/kg dry	11.5	1	"	"	"	"	X
11097-69-1	PCB 1254	BRL		µg/kg dry	11.5	1	"	"	"	"	X
11096-82-5	PCB 1260	BRL		µg/kg dry	11.5	1	"	"	"	"	X
37324-23-5	PCB 1262	BRL		µg/kg dry	11.5	1	"	"	"	"	X
11100-14-4	PCB 1268	BRL		µg/kg dry	11.5	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*68*		*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	04-Feb-09	05-Feb-09	9020246	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:											

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C8 SA90481-03	127-17797-08011	Soil	29-Jan-09 10:45	30-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											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*62*		*30-150 %*			SW846 8151A	04-Feb-09	05-Feb-09	9020246	
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	03-Feb-09	04-Feb-09	9020217	
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	112		mg/kg dry	15.2	1	"	"	"	"	
	Other Oil	Calculated as		mg/kg dry	15.2	1	"	"	"	"	
	Total Petroleum Hydrocarbons	112		mg/kg dry	15.2	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	112		mg/kg dry	15.2	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*82*		*50-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	BRL		mg/kg dry	1.70	1	SW846 6010B	04-Feb-09	05-Feb-09	9020294	X
7440-38-2	Arsenic	2.08		mg/kg dry	1.70	1	"	"	"	"	X
7440-39-3	Barium	51.5		mg/kg dry	1.13	1	"	"	"	"	X
7440-43-9	Cadmium	0.678		mg/kg dry	0.565	1	"	"	"	"	X
7440-47-3	Chromium	11.8		mg/kg dry	1.13	1	"	"	"	"	X
7439-97-6	Mercury	BRL		mg/kg dry	0.0325	1	SW846 7471A	02-Feb-09	03-Feb-09	9020045	X
7439-92-1	Lead	49.8		mg/kg dry	1.70	1	SW846 6010B	04-Feb-09	05-Feb-09	9020294	X
7782-49-2	Selenium	BRL		mg/kg dry	1.70	1	"	"	"	"	X
General Chemistry Parameters											
	% Solids	86.8		%		1	SM2540 G Mod.	02-Feb-09	02-Feb-09	9020077	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C9	127-17797-08011	Soil	29-Jan-09 10:00	30-Jan-09
SA90481-04				

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	02-Feb-09	02-Feb-09	9020087	
Volatile Organic Compounds											
Prepared by method SW846 5035A Soil (low level)						Initial weight: 5.79 g					
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	6.8	1	SW846 8260B	02-Feb-09	02-Feb-09	9020038	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)	243		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-C9 SA90481-04	127-17797-08011	Soil	29-Jan-09 10:00	30-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
Volatile Organic Compounds						Initial weight: 5.79 g					
Prepared by method SW846 5035A Soil (low level)											
103-65-1	n-Propylbenzene	BRL		µg/kg dry	6.8	1	SW846 8260B	02-Feb-09	02-Feb-09	9020038	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*	*81*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*91*		*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	415	1	SW846 8270C	03-Feb-09	04-Feb-09	9020219	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	415	1	"	"	"	"	X
62-53-3	Aniline	BRL		µg/kg dry	415	1	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	415	1	"	"	"	"	X
1912-24-9	Atrazine	BRL		µg/kg dry	415	1	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/kg dry	415	1	"	"	"	"	
92-87-5	Benzidine	BRL		µg/kg dry	415	1	"	"	"	"	X
56-55-3	Benzo (a) anthracene	1,350		µg/kg dry	415	1	"	"	"	"	X
50-32-8	Benzo (a) pyrene	1,190		µg/kg dry	415	1	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	1,380		µg/kg dry	415	1	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	627		µg/kg dry	415	1	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	1,400		µg/kg dry	415	1	"	"	"	"	X
65-85-0	Benzoic acid	BRL		µg/kg dry	415	1	"	"	"	"	X
100-51-6	Benzyl alcohol	BRL		µg/kg dry	415	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C9	127-17797-08011	Soil	29-Jan-09 10:00	30-Jan-09
SA90481-04				

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	415	1	SW846 8270C	03-Feb-09	04-Feb-09	9020219	X
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/kg dry	415	1	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	415	1	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	415	1	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/kg dry	415	1	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	BRL		µg/kg dry	415	1	"	"	"	"	X
86-74-8	Carbazole	BRL		µg/kg dry	415	1	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	BRL		µg/kg dry	415	1	"	"	"	"	X
106-47-8	4-Chloroaniline	BRL		µg/kg dry	415	1	"	"	"	"	X
91-58-7	2-Chloronaphthalene	BRL		µg/kg dry	415	1	"	"	"	"	X
95-57-8	2-Chlorophenol	BRL		µg/kg dry	415	1	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/kg dry	415	1	"	"	"	"	X
218-01-9	Chrysene	1,590		µg/kg dry	415	1	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	415	1	"	"	"	"	X
132-64-9	Dibenzofuran	BRL		µg/kg dry	415	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	415	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	415	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	415	1	"	"	"	"	X
91-94-1	3,3'-Dichlorobenzidine	BRL		µg/kg dry	415	1	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	BRL		µg/kg dry	415	1	"	"	"	"	X
84-66-2	Diethyl phthalate	BRL		µg/kg dry	415	1	"	"	"	"	X
131-11-3	Dimethyl phthalate	BRL		µg/kg dry	415	1	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	BRL		µg/kg dry	415	1	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	BRL		µg/kg dry	415	1	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	415	1	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	BRL		µg/kg dry	415	1	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	BRL		µg/kg dry	415	1	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	BRL		µg/kg dry	415	1	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	BRL		µg/kg dry	415	1	"	"	"	"	X
206-44-0	Fluoranthene	2,730		µg/kg dry	415	1	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	415	1	"	"	"	"	X
118-74-1	Hexachlorobenzene	BRL		µg/kg dry	415	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	415	1	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	BRL		µg/kg dry	415	1	"	"	"	"	X
67-72-1	Hexachloroethane	BRL		µg/kg dry	415	1	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	715		µg/kg dry	415	1	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	415	1	"	"	"	"	
78-59-1	Isophorone	BRL		µg/kg dry	415	1	"	"	"	"	X
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	415	1	"	"	"	"	X
95-48-7	2-Methylphenol	BRL		µg/kg dry	415	1	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	BRL		µg/kg dry	415	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	415	1	"	"	"	"	X
88-74-4	2-Nitroaniline	BRL		µg/kg dry	415	1	"	"	"	"	X
99-09-2	3-Nitroaniline	BRL		µg/kg dry	415	1	"	"	"	"	X
100-01-6	4-Nitroaniline	BRL		µg/kg dry	1660	1	"	"	"	"	X
98-95-3	Nitrobenzene	BRL		µg/kg dry	415	1	"	"	"	"	X
88-75-5	2-Nitrophenol	BRL		µg/kg dry	415	1	"	"	"	"	X
100-02-7	4-Nitrophenol	BRL		µg/kg dry	1660	1	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	BRL		µg/kg dry	415	1	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/kg dry	415	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C9	127-17797-08011	Soil	29-Jan-09 10:00	30-Jan-09
SA90481-04				

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	415	1	SW846 8270C	03-Feb-09	04-Feb-09	9020219	X
87-86-5	Pentachlorophenol	BRL		µg/kg dry	415	1	"	"	"	"	X
85-01-8	Phenanthrene	996		µg/kg dry	415	1	"	"	"	"	X
108-95-2	Phenol	BRL		µg/kg dry	415	1	"	"	"	"	X
129-00-0	Pyrene	2,180		µg/kg dry	415	1	"	"	"	"	X
110-86-1	Pyridine	BRL		µg/kg dry	415	1	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	415	1	"	"	"	"	X
95-95-4	2,4,5-Trichlorophenol	BRL		µg/kg dry	415	1	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	BRL		µg/kg dry	415	1	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	BRL		µg/kg dry	415	1	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	415	1	"	"	"	"	X
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*59*		*30-130 %*			"	"	"	"	
367-12-4	*2-Fluorophenol*	*53*		*15-110 %*			"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*54*		*30-130 %*			"	"	"	"	
4165-62-2	*Phenol-d5*	*57*		*15-110 %*			"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*52*		*30-130 %*			"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*52*		*15-110 %*			"	"	"	"	
Semivolatile Organic Compounds by GC											
Organochlorine Pesticides SW846 8081A											
Prepared by method SW846 3550B											
319-84-6	alpha-BHC	BRL		µg/kg dry	6.27	1	SW846 8081A	03-Feb-09	03-Feb-09	9020137	X
319-85-7	beta-BHC	BRL		µg/kg dry	6.27	1	"	"	"	"	X
319-86-8	delta-BHC	BRL		µg/kg dry	6.27	1	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	BRL		µg/kg dry	6.27	1	"	"	"	"	X
76-44-8	Heptachlor	BRL		µg/kg dry	6.27	1	"	"	"	"	X
309-00-2	Aldrin	BRL		µg/kg dry	6.27	1	"	"	"	"	X
1024-57-3	Heptachlor epoxide	BRL		µg/kg dry	6.27	1	"	"	"	"	X
959-98-8	Endosulfan I	BRL		µg/kg dry	6.27	1	"	"	"	"	X
60-57-1	Dieldrin	BRL		µg/kg dry	6.27	1	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	BRL		µg/kg dry	6.27	1	"	"	"	"	X
72-20-8	Endrin	BRL		µg/kg dry	6.27	1	"	"	"	"	X
33213-65-9	Endosulfan II	BRL		µg/kg dry	6.27	1	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	BRL		µg/kg dry	6.27	1	"	"	"	"	X
1031-07-8	Endosulfan sulfate	BRL		µg/kg dry	6.27	1	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	BRL		µg/kg dry	6.27	1	"	"	"	"	X
72-43-5	Methoxychlor	BRL		µg/kg dry	6.27	1	"	"	"	"	X
53494-70-5	Endrin ketone	BRL		µg/kg dry	6.27	1	"	"	"	"	X
7421-93-4	Endrin aldehyde	BRL		µg/kg dry	6.27	1	"	"	"	"	X
5103-71-9	alpha-Chlordane	BRL		µg/kg dry	6.27	1	"	"	"	"	X
5566-34-7	gamma-Chlordane	BRL		µg/kg dry	6.27	1	"	"	"	"	X
8001-35-2	Toxaphene	BRL		µg/kg dry	31.4	1	"	"	"	"	X
57-74-9	Chlordane	BRL		µg/kg dry	31.4	1	"	"	"	"	X
15972-60-8	Alachlor	BRL		µg/kg dry	12.5	1	"	"	"	"	
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*70*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*78*		*30-150 %*			"	"	"	"	
Polychlorinated Biphenyls by SW846 8082											
Prepared by method SW846 3550B											
12674-11-2	PCB 1016	BRL		µg/kg dry	12.5	1	SW846 8082	03-Feb-09	04-Feb-09	9020140	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C9 SA90481-04	127-17797-08011	Soil	29-Jan-09 10:00	30-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GC											
Polychlorinated Biphenyls by SW846 8082											
Prepared by method SW846 3550B											
11104-28-2	PCB 1221	BRL		µg/kg dry	12.5	1	SW846 8082	03-Feb-09	04-Feb-09	9020140	X
11141-16-5	PCB 1232	BRL		µg/kg dry	12.5	1	"	"	"	"	X
53469-21-9	PCB 1242	BRL		µg/kg dry	12.5	1	"	"	"	"	X
12672-29-6	PCB 1248	BRL		µg/kg dry	12.5	1	"	"	"	"	X
11097-69-1	PCB 1254	BRL		µg/kg dry	12.5	1	"	"	"	"	X
11096-82-5	PCB 1260	BRL		µg/kg dry	12.5	1	"	"	"	"	X
37324-23-5	PCB 1262	BRL		µg/kg dry	12.5	1	"	"	"	"	X
11100-14-4	PCB 1268	BRL		µg/kg dry	12.5	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*68*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*38*		*30-150 %*			"	"	"	"	
Chlorinated Herbicides by SW846 8151A											
Prepared by method SW846 3550B											
93-76-5	2,4,5-T	BRL		µg/kg dry	6.70	1	SW846 8151A	04-Feb-09	05-Feb-09	9020246	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											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3550B											
8006-61-9	Gasoline	BRL		mg/kg dry	16.7	1	+CT ETPH	03-Feb-09	04-Feb-09	9020217	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	16.7	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	16.7	1	"	"	"	"	
68553-00-4	Fuel Oil #6	Calculated as		mg/kg dry	16.7	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	16.7	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	16.7	1	"	"	"	"	
	Unidentified	119		mg/kg dry	16.7	1	"	"	"	"	
	Other Oil	Calculated as		mg/kg dry	16.7	1	"	"	"	"	
	Total Petroleum Hydrocarbons	119		mg/kg dry	16.7	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	119		mg/kg dry	16.7	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*83*		*50-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	BRL		mg/kg dry	1.63	1	SW846 6010B	02-Feb-09	03-Feb-09	9020044	X
7440-38-2	Arsenic	24.7		mg/kg dry	1.63	1	"	"	"	"	X
7440-39-3	Barium	109		mg/kg dry	1.09	1	"	"	"	"	X
7440-43-9	Cadmium	1.51		mg/kg dry	0.543	1	"	"	"	"	X
7440-47-3	Chromium	9.67		mg/kg dry	1.09	1	"	"	"	"	X
7439-97-6	Mercury	0.711		mg/kg dry	0.0372	1	SW846 7471A	"	03-Feb-09	9020045	X
7439-92-1	Lead	227		mg/kg dry	1.63	1	SW846 6010B	"	03-Feb-09	9020044	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C9 SA90481-04	127-17797-08011	Soil	29-Jan-09 10:00	30-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Total Metals by EPA 6000/7000 Series Methods											
7782-49-2	Selenium	BRL		mg/kg dry	1.63	1	SW846 6010B	02-Feb-09	03-Feb-09	9020044	X
TCLP Metals by EPA 1311 & 6000/7000 Series Methods											
	TCLP Extraction	Completed		N/A		1	SW846 1311	10-Feb-09	10-Feb-09	9020757	X
7439-92-1	Lead	0.0255		mg/l	0.0150	1	SW846 1311/6010B	11-Feb-09	11-Feb-09	9020765	X
SPLP Metals by EPA 1312 & 6000/7000 Series Methods											
	SPLP Extraction	Completed		N/A		1	SW846 1312	10-Feb-09	10-Feb-09	9020759	
7440-38-2	Arsenic	BRL		mg/l	0.0080	1	SW846 1312/6010B	11-Feb-09	12-Feb-09	9020768	
7440-39-3	Barium	0.0219		mg/l	0.0100	1	"	"	"	"	
7439-97-6	Mercury	BRL		mg/l	0.00020	1	SW846 1312/7470A	"	12-Feb-09	9020769	
7439-92-1	Lead	BRL		mg/l	0.0150	1	SW846 1312/6010B	"	12-Feb-09	9020768	
General Chemistry Parameters											
	% Solids	78.9		%		1	SM2540 G Mod.	02-Feb-09	02-Feb-09	9020077	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C10 SA90481-05	127-17797-08011	Soil	29-Jan-09 09:00	30-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	02-Feb-09	02-Feb-09	9020087	
Volatile Organic Compounds											
Prepared by method SW846 5035A Soil (low level)						Initial weight: 5.62 g					
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	5.3	1	SW846 8260B	02-Feb-09	02-Feb-09	9020038	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)	1,380	E	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

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C10 SA90481-05	127-17797-08011	Soil	29-Jan-09 09:00	30-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
Volatile Organic Compounds						Initial weight: 5.62 g					
Prepared by method SW846 5035A Soil (low level)											
103-65-1	n-Propylbenzene	BRL		µg/kg dry	5.3	1	SW846 8260B	02-Feb-09	02-Feb-09	9020038	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*	*84*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*92*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*125*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*104*		*70-130 %*			"	"	"	"	
Re-analysis of Volatile Organic Compounds											
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	113	50	SW846 8260B	03-Feb-09	03-Feb-09	9020177	X
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*103*		*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											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
83-32-9	Acenaphthene	BRL		µg/kg dry	359	1	SW846 8270C	03-Feb-09	04-Feb-09	9020219	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	359	1	"	"	"	"	X
62-53-3	Aniline	BRL		µg/kg dry	359	1	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	359	1	"	"	"	"	X
1912-24-9	Atrazine	BRL		µg/kg dry	359	1	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/kg dry	359	1	"	"	"	"	
92-87-5	Benzidine	BRL		µg/kg dry	359	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C10	127-17797-08011	Soil	29-Jan-09 09:00	30-Jan-09
SA90481-05				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	359	1	SW846 8270C	03-Feb-09	04-Feb-09	9020219	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	359	1	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	359	1	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	359	1	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	359	1	"	"	"	"	X
65-85-0	Benzoic acid	BRL		µg/kg dry	359	1	"	"	"	"	X
100-51-6	Benzyl alcohol	BRL		µg/kg dry	359	1	"	"	"	"	X
111-91-1	Bis(2-chloroethoxy)methane	BRL		µg/kg dry	359	1	"	"	"	"	X
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/kg dry	359	1	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	359	1	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	359	1	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/kg dry	359	1	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	BRL		µg/kg dry	359	1	"	"	"	"	X
86-74-8	Carbazole	BRL		µg/kg dry	359	1	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	BRL		µg/kg dry	359	1	"	"	"	"	X
106-47-8	4-Chloroaniline	BRL		µg/kg dry	359	1	"	"	"	"	X
91-58-7	2-Chloronaphthalene	BRL		µg/kg dry	359	1	"	"	"	"	X
95-57-8	2-Chlorophenol	BRL		µg/kg dry	359	1	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/kg dry	359	1	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	359	1	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	359	1	"	"	"	"	X
132-64-9	Dibenzofuran	BRL		µg/kg dry	359	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	359	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	359	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	359	1	"	"	"	"	X
91-94-1	3,3´-Dichlorobenzidine	BRL		µg/kg dry	359	1	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	BRL		µg/kg dry	359	1	"	"	"	"	X
84-66-2	Diethyl phthalate	BRL		µg/kg dry	359	1	"	"	"	"	X
131-11-3	Dimethyl phthalate	BRL		µg/kg dry	359	1	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	BRL		µg/kg dry	359	1	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	BRL		µg/kg dry	359	1	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	359	1	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	BRL		µg/kg dry	359	1	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	BRL		µg/kg dry	359	1	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	BRL		µg/kg dry	359	1	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	BRL		µg/kg dry	359	1	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	359	1	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	359	1	"	"	"	"	X
118-74-1	Hexachlorobenzene	BRL		µg/kg dry	359	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	359	1	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	BRL		µg/kg dry	359	1	"	"	"	"	X
67-72-1	Hexachloroethane	BRL		µg/kg dry	359	1	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	359	1	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	359	1	"	"	"	"	
78-59-1	Isophorone	BRL		µg/kg dry	359	1	"	"	"	"	X
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	359	1	"	"	"	"	X
95-48-7	2-Methylphenol	BRL		µg/kg dry	359	1	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	BRL		µg/kg dry	359	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	359	1	"	"	"	"	X
88-74-4	2-Nitroaniline	BRL		µg/kg dry	359	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C10 SA90481-05	127-17797-08011	Soil	29-Jan-09 09:00	30-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	359	1	SW846 8270C	03-Feb-09	04-Feb-09	9020219	X
100-01-6	4-Nitroaniline	BRL		µg/kg dry	1430	1	"	"	"	"	X
98-95-3	Nitrobenzene	BRL		µg/kg dry	359	1	"	"	"	"	X
88-75-5	2-Nitrophenol	BRL		µg/kg dry	359	1	"	"	"	"	X
100-02-7	4-Nitrophenol	BRL		µg/kg dry	1430	1	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	BRL		µg/kg dry	359	1	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/kg dry	359	1	"	"	"	"	X
86-30-6	N-Nitrosodiphenylamine	BRL		µg/kg dry	359	1	"	"	"	"	X
87-86-5	Pentachlorophenol	BRL		µg/kg dry	359	1	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	359	1	"	"	"	"	X
108-95-2	Phenol	BRL		µg/kg dry	359	1	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	359	1	"	"	"	"	X
110-86-1	Pyridine	BRL		µg/kg dry	359	1	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	359	1	"	"	"	"	X
95-95-4	2,4,5-Trichlorophenol	BRL		µg/kg dry	359	1	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	BRL		µg/kg dry	359	1	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	BRL		µg/kg dry	359	1	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	359	1	"	"	"	"	X
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*58*		*30-130 %*			"	"	"	"	
367-12-4	*2-Fluorophenol*	*48*		*15-110 %*			"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*53*		*30-130 %*			"	"	"	"	
4165-62-2	*Phenol-d5*	*60*		*15-110 %*			"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*53*		*30-130 %*			"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*51*		*15-110 %*			"	"	"	"	
Semivolatile Organic Compounds by GC											
Organochlorine Pesticides SW846 8081A											
Prepared by method SW846 3550B											
319-84-6	alpha-BHC	BRL		µg/kg dry	5.39	1	SW846 8081A	03-Feb-09	03-Feb-09	9020137	X
319-85-7	beta-BHC	BRL		µg/kg dry	5.39	1	"	"	"	"	X
319-86-8	delta-BHC	BRL		µg/kg dry	5.39	1	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	BRL		µg/kg dry	5.39	1	"	"	"	"	X
76-44-8	Heptachlor	BRL		µg/kg dry	5.39	1	"	"	"	"	X
309-00-2	Aldrin	BRL		µg/kg dry	5.39	1	"	"	"	"	X
1024-57-3	Heptachlor epoxide	BRL		µg/kg dry	5.39	1	"	"	"	"	X
959-98-8	Endosulfan I	BRL		µg/kg dry	5.39	1	"	"	"	"	X
60-57-1	Dieldrin	BRL		µg/kg dry	5.39	1	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	BRL		µg/kg dry	5.39	1	"	"	"	"	X
72-20-8	Endrin	BRL		µg/kg dry	5.39	1	"	"	"	"	X
33213-65-9	Endosulfan II	BRL		µg/kg dry	5.39	1	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	BRL		µg/kg dry	5.39	1	"	"	"	"	X
1031-07-8	Endosulfan sulfate	BRL		µg/kg dry	5.39	1	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	BRL		µg/kg dry	5.39	1	"	"	"	"	X
72-43-5	Methoxychlor	BRL		µg/kg dry	5.39	1	"	"	"	"	X
53494-70-5	Endrin ketone	BRL		µg/kg dry	5.39	1	"	"	"	"	X
7421-93-4	Endrin aldehyde	BRL		µg/kg dry	5.39	1	"	"	"	"	X
5103-71-9	alpha-Chlordane	BRL		µg/kg dry	5.39	1	"	"	"	"	X
5566-34-7	gamma-Chlordane	BRL		µg/kg dry	5.39	1	"	"	"	"	X
8001-35-2	Toxaphene	BRL		µg/kg dry	27.0	1	"	"	"	"	X
57-74-9	Chlordane	BRL		µg/kg dry	27.0	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C10 SA90481-05	127-17797-08011	Soil	29-Jan-09 09:00	30-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GC											
Organochlorine Pesticides SW846 8081A											
Prepared by method SW846 3550B											
15972-60-8	Alachlor	BRL		µg/kg dry	10.8	1	SW846 8081A	03-Feb-09	03-Feb-09	9020137	
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*67*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*56*		*30-150 %*			"	"	"	"	
Polychlorinated Biphenyls by SW846 8082											
Prepared by method SW846 3550B											
12674-11-2	PCB 1016	BRL		µg/kg dry	10.8	1	SW846 8082	03-Feb-09	04-Feb-09	9020140	X
11104-28-2	PCB 1221	BRL		µg/kg dry	10.8	1	"	"	"	"	X
11141-16-5	PCB 1232	BRL		µg/kg dry	10.8	1	"	"	"	"	X
53469-21-9	PCB 1242	BRL		µg/kg dry	10.8	1	"	"	"	"	X
12672-29-6	PCB 1248	BRL		µg/kg dry	10.8	1	"	"	"	"	X
11097-69-1	PCB 1254	BRL		µg/kg dry	10.8	1	"	"	"	"	X
11096-82-5	PCB 1260	BRL		µg/kg dry	10.8	1	"	"	"	"	X
37324-23-5	PCB 1262	BRL		µg/kg dry	10.8	1	"	"	"	"	X
11100-14-4	PCB 1268	BRL		µg/kg dry	10.8	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*64*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*48*		*30-150 %*			"	"	"	"	
Chlorinated Herbicides by SW846 8151A											
Prepared by method SW846 3550B											
93-76-5	2,4,5-T	BRL		µg/kg dry	6.70	1	SW846 8151A	04-Feb-09	05-Feb-09	9020246	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)*	*86*		*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	03-Feb-09	04-Feb-09	9020217	
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	BRL		mg/kg dry	14.5	1	"	"	"	"	
	Other Oil	BRL		mg/kg dry	14.5	1	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL		mg/kg dry	14.5	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	14.5	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*79*		*50-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C10 SA90481-05	127-17797-08011	Soil	29-Jan-09 09:00	30-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Total Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	BRL		mg/kg dry	1.56	1	SW846 6010B	02-Feb-09	03-Feb-09	9020044	X
7440-38-2	Arsenic	2.95		mg/kg dry	1.56	1	"	"	"	"	X
7440-39-3	Barium	48.2		mg/kg dry	1.04	1	"	"	"	"	X
7440-43-9	Cadmium	BRL		mg/kg dry	0.519	1	"	"	"	"	X
7440-47-3	Chromium	11.4		mg/kg dry	1.04	1	"	"	"	"	X
7439-97-6	Mercury	0.0771		mg/kg dry	0.0324	1	SW846 7471A	"	03-Feb-09	9020045	X
7439-92-1	Lead	24.5		mg/kg dry	1.56	1	SW846 6010B	"	03-Feb-09	9020044	X
7782-49-2	Selenium	BRL		mg/kg dry	1.56	1	"	"	"	"	X
General Chemistry Parameters											
	% Solids	91.8		%		1	SM2540 G Mod.	02-Feb-09	02-Feb-09	9020077	

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9020038 - SW846 5035A Soil (low level)										
Blank (9020038-BLK1)										
Prepared & Analyzed: 02-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 9020038 - SW846 5035A Soil (low level)										
Blank (9020038-BLK1)										
Prepared & Analyzed: 02-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	*42.7*		µg/kg wet		*50.0*		*85*	*70-130*		
Surrogate: Toluene-d8	*46.5*		µg/kg wet		*50.0*		*93*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*61.9*		µg/kg wet		*50.0*		*124*	*70-130*		
Surrogate: Dibromofluoromethane	*51.4*		µg/kg wet		*50.0*		*103*	*70-130*		
LCS (9020038-BS1)										
Prepared & Analyzed: 02-Feb-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	23.3		µg/kg wet		20.0		116	70-130		
Acetone	5.8		µg/kg wet		20.0		29	7.9-168		
Acrylonitrile	13.8	QC1	µg/kg wet		20.0		69	70-130		
Benzene	21.3		µg/kg wet		20.0		107	70-130		
Bromobenzene	16.7		µg/kg wet		20.0		84	70-130		
Bromochloromethane	15.4		µg/kg wet		20.0		77	70-130		
Bromodichloromethane	20.0		µg/kg wet		20.0		100	70-130		
Bromoform	17.9		µg/kg wet		20.0		89	70-130		
Bromomethane	13.5		µg/kg wet		20.0		68	50-134		
2-Butanone (MEK)	15.4		µg/kg wet		20.0		77	44.6-130		
n-Butylbenzene	22.7		µg/kg wet		20.0		114	70-130		
sec-Butylbenzene	17.6		µg/kg wet		20.0		88	70-130		
tert-Butylbenzene	16.5		µg/kg wet		20.0		83	70-130		
Carbon disulfide	20.5		µg/kg wet		20.0		103	70-130		
Carbon tetrachloride	22.4		µg/kg wet		20.0		112	70-130		
Chlorobenzene	19.4		µg/kg wet		20.0		97	70-130		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9020038 - SW846 5035A Soil (low level)										
LCS (9020038-BS1)										
Prepared & Analyzed: 02-Feb-09										
Chloroethane	14.6		µg/kg wet		20.0		73	59.2-130		
Chloroform	19.6		µg/kg wet		20.0		98	70-130		
Chloromethane	13.0	QC2	µg/kg wet		20.0		65	70-130		
2-Chlorotoluene	18.7		µg/kg wet		20.0		94	70-130		
4-Chlorotoluene	17.6		µg/kg wet		20.0		88	70-130		
1,2-Dibromo-3-chloropropane	18.8		µg/kg wet		20.0		94	70-130		
Dibromochloromethane	18.1		µg/kg wet		20.0		90	63.8-130		
1,2-Dibromoethane (EDB)	16.4		µg/kg wet		20.0		82	70-130		
Dibromomethane	17.7		µg/kg wet		20.0		88	70-130		
1,2-Dichlorobenzene	19.7		µg/kg wet		20.0		99	70-130		
1,3-Dichlorobenzene	15.9		µg/kg wet		20.0		80	70-130		
1,4-Dichlorobenzene	20.3		µg/kg wet		20.0		102	70-130		
Dichlorodifluoromethane (Freon12)	14.8		µg/kg wet		20.0		74	41.8-130		
1,1-Dichloroethane	20.5		µg/kg wet		20.0		102	70-130		
1,2-Dichloroethane	19.2		µg/kg wet		20.0		96	70-130		
1,1-Dichloroethene	20.3		µg/kg wet		20.0		102	70-130		
cis-1,2-Dichloroethene	20.3		µg/kg wet		20.0		102	70-130		
trans-1,2-Dichloroethene	20.7		µg/kg wet		20.0		103	70-130		
1,2-Dichloropropane	20.6		µg/kg wet		20.0		103	70-130		
1,3-Dichloropropane	17.3		µg/kg wet		20.0		86	70-130		
2,2-Dichloropropane	22.8		µg/kg wet		20.0		114	70-130		
1,1-Dichloropropene	21.9		µg/kg wet		20.0		110	70-130		
cis-1,3-Dichloropropene	19.4		µg/kg wet		20.0		97	70-130		
trans-1,3-Dichloropropene	19.2		µg/kg wet		20.0		96	70-130		
Ethylbenzene	20.0		µg/kg wet		20.0		100	70-130		
Hexachlorobutadiene	18.2		µg/kg wet		20.0		91	68.3-130		
2-Hexanone (MBK)	12.8	QC1	µg/kg wet		20.0		64	70-130		
Isopropylbenzene	18.4		µg/kg wet		20.0		92	70-130		
4-Isopropyltoluene	21.4		µg/kg wet		20.0		107	70-130		
Methyl tert-butyl ether	19.9		µg/kg wet		20.0		99	70-130		
4-Methyl-2-pentanone (MIBK)	13.2		µg/kg wet		20.0		66	53.1-132		
Methylene chloride	16.3		µg/kg wet		20.0		82	70-130		
Naphthalene	15.6		µg/kg wet		20.0		78	70-130		
n-Propylbenzene	18.2		µg/kg wet		20.0		91	70-130		
Styrene	17.9		µg/kg wet		20.0		89	70-130		
1,1,1,2-Tetrachloroethane	20.5		µg/kg wet		20.0		102	70-130		
1,1,2,2-Tetrachloroethane	17.0		µg/kg wet		20.0		85	70-130		
Tetrachloroethene	17.6		µg/kg wet		20.0		88	70-130		
Toluene	16.8		µg/kg wet		20.0		84	70-130		
1,2,3-Trichlorobenzene	17.6		µg/kg wet		20.0		88	70-130		
1,2,4-Trichlorobenzene	17.6		µg/kg wet		20.0		88	70-130		
1,3,5-Trichlorobenzene	18.9		µg/kg wet		20.0		94	70-130		
1,1,1-Trichloroethane	22.0		µg/kg wet		20.0		110	70-130		
1,1,2-Trichloroethane	18.2		µg/kg wet		20.0		91	70-130		
Trichloroethene	20.6		µg/kg wet		20.0		103	70-130		
Trichlorofluoromethane (Freon 11)	18.7		µg/kg wet		20.0		93	68.2-130		
1,2,3-Trichloropropane	17.0		µg/kg wet		20.0		85	70-130		
1,2,4-Trimethylbenzene	17.4		µg/kg wet		20.0		87	70-130		
1,3,5-Trimethylbenzene	17.7		µg/kg wet		20.0		88	70-130		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9020038 - SW846 5035A Soil (low level)										
LCS (9020038-BS1)										
Prepared & Analyzed: 02-Feb-09										
Vinyl chloride	16.1		µg/kg wet		20.0		80	70-130		
m,p-Xylene	37.8		µg/kg wet		40.0		95	70-130		
o-Xylene	18.3		µg/kg wet		20.0		92	70-130		
Tetrahydrofuran	14.7		µg/kg wet		20.0		73	70-130		
Ethyl ether	19.9		µg/kg wet		20.0		100	70-130		
Tert-amyl methyl ether	17.7		µg/kg wet		20.0		88	70-130		
Ethyl tert-butyl ether	20.0		µg/kg wet		20.0		100	70-130		
Di-isopropyl ether	20.5		µg/kg wet		20.0		102	70-130		
Tert-Butanol / butyl alcohol	120	QC1	µg/kg wet		200		60	70-130		
1,4-Dioxane	99.0		µg/kg wet		200		50	48.7-130		
trans-1,4-Dichloro-2-butene	18.0		µg/kg wet		20.0		90	70-130		
Ethanol	250	QC2	µg/kg wet		400		63	70-130		
Surrogate: 4-Bromofluorobenzene	*44.3*		µg/kg wet		*50.0*		*89*	*70-130*		
Surrogate: Toluene-d8	*45.3*		µg/kg wet		*50.0*		*91*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*48.2*		µg/kg wet		*50.0*		*96*	*70-130*		
Surrogate: Dibromofluoromethane	*47.5*		µg/kg wet		*50.0*		*95*	*70-130*		
LCS Dup (9020038-BSD1)										
Prepared & Analyzed: 02-Feb-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	23.2		µg/kg wet		20.0		116	70-130	0.3	25
Acetone	11.3	QR2	µg/kg wet		20.0		56	7.9-168	65	50
Acrylonitrile	16.6		µg/kg wet		20.0		83	70-130	18	25
Benzene	22.4		µg/kg wet		20.0		112	70-130	5	25
Bromobenzene	17.2		µg/kg wet		20.0		86	70-130	3	25
Bromochloromethane	16.0		µg/kg wet		20.0		80	70-130	3	25
Bromodichloromethane	21.2		µg/kg wet		20.0		106	70-130	6	25
Bromoform	18.5		µg/kg wet		20.0		92	70-130	3	25
Bromomethane	14.2		µg/kg wet		20.0		71	50-134	5	50
2-Butanone (MEK)	14.2		µg/kg wet		20.0		71	44.6-130	9	50
n-Butylbenzene	23.2		µg/kg wet		20.0		116	70-130	2	25
sec-Butylbenzene	18.4		µg/kg wet		20.0		92	70-130	4	25
tert-Butylbenzene	17.5		µg/kg wet		20.0		87	70-130	6	25
Carbon disulfide	21.5		µg/kg wet		20.0		107	70-130	4	25
Carbon tetrachloride	23.7		µg/kg wet		20.0		118	70-130	5	25
Chlorobenzene	20.4		µg/kg wet		20.0		102	70-130	5	25
Chloroethane	14.7		µg/kg wet		20.0		74	59.2-130	0.5	50
Chloroform	20.0		µg/kg wet		20.0		100	70-130	2	25
Chloromethane	13.4	QC2	µg/kg wet		20.0		67	70-130	3	25
2-Chlorotoluene	19.6		µg/kg wet		20.0		98	70-130	5	25
4-Chlorotoluene	18.5		µg/kg wet		20.0		92	70-130	5	25
1,2-Dibromo-3-chloropropane	18.5		µg/kg wet		20.0		93	70-130	2	25
Dibromochloromethane	18.6		µg/kg wet		20.0		93	63.8-130	3	50
1,2-Dibromoethane (EDB)	16.2		µg/kg wet		20.0		81	70-130	1	25
Dibromomethane	18.0		µg/kg wet		20.0		90	70-130	2	25
1,2-Dichlorobenzene	20.2		µg/kg wet		20.0		101	70-130	3	25
1,3-Dichlorobenzene	17.1		µg/kg wet		20.0		85	70-130	7	25
1,4-Dichlorobenzene	20.9		µg/kg wet		20.0		104	70-130	3	25
Dichlorodifluoromethane (Freon12)	14.9		µg/kg wet		20.0		75	41.8-130	0.7	50
1,1-Dichloroethane	21.3		µg/kg wet		20.0		106	70-130	4	25
1,2-Dichloroethane	19.7		µg/kg wet		20.0		98	70-130	2	25
1,1-Dichloroethene	21.8		µg/kg wet		20.0		109	70-130	7	25

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9020038 - SW846 5035A Soil (low level)										
LCS Dup (9020038-BSD1)										
Prepared & Analyzed: 02-Feb-09										
cis-1,2-Dichloroethene	21.1		µg/kg wet		20.0		105	70-130	4	25
trans-1,2-Dichloroethene	21.5		µg/kg wet		20.0		108	70-130	4	25
1,2-Dichloropropane	21.5		µg/kg wet		20.0		107	70-130	4	25
1,3-Dichloropropane	17.8		µg/kg wet		20.0		89	70-130	3	25
2,2-Dichloropropane	23.0		µg/kg wet		20.0		115	70-130	1	25
1,1-Dichloropropene	22.6		µg/kg wet		20.0		113	70-130	3	25
cis-1,3-Dichloropropene	20.1		µg/kg wet		20.0		101	70-130	4	25
trans-1,3-Dichloropropene	19.8		µg/kg wet		20.0		99	70-130	3	25
Ethylbenzene	20.9		µg/kg wet		20.0		104	70-130	5	25
Hexachlorobutadiene	18.2		µg/kg wet		20.0		91	68.3-130	0.06	50
2-Hexanone (MBK)	14.3		µg/kg wet		20.0		71	70-130	11	25
Isopropylbenzene	18.8		µg/kg wet		20.0		94	70-130	2	25
4-Isopropyltoluene	22.0		µg/kg wet		20.0		110	70-130	3	25
Methyl tert-butyl ether	20.7		µg/kg wet		20.0		104	70-130	4	25
4-Methyl-2-pentanone (MIBK)	12.6		µg/kg wet		20.0		63	53.1-132	4	50
Methylene chloride	16.8		µg/kg wet		20.0		84	70-130	3	25
Naphthalene	15.5		µg/kg wet		20.0		77	70-130	1	25
n-Propylbenzene	19.2		µg/kg wet		20.0		96	70-130	5	25
Styrene	19.0		µg/kg wet		20.0		95	70-130	6	25
1,1,1,2-Tetrachloroethane	20.8		µg/kg wet		20.0		104	70-130	2	25
1,1,2,2-Tetrachloroethane	17.5		µg/kg wet		20.0		87	70-130	3	25
Tetrachloroethene	18.2		µg/kg wet		20.0		91	70-130	3	25
Toluene	17.2		µg/kg wet		20.0		86	70-130	2	25
1,2,3-Trichlorobenzene	16.8		µg/kg wet		20.0		84	70-130	4	25
1,2,4-Trichlorobenzene	17.3		µg/kg wet		20.0		86	70-130	2	25
1,3,5-Trichlorobenzene	19.4		µg/kg wet		20.0		97	70-130	3	25
1,1,1-Trichloroethane	22.9		µg/kg wet		20.0		114	70-130	4	25
1,1,2-Trichloroethane	18.3		µg/kg wet		20.0		91	70-130	0.5	25
Trichloroethene	21.2		µg/kg wet		20.0		106	70-130	2	25
Trichlorofluoromethane (Freon 11)	19.8		µg/kg wet		20.0		99	68.2-130	6	50
1,2,3-Trichloropropane	17.4		µg/kg wet		20.0		87	70-130	2	25
1,2,4-Trimethylbenzene	18.5		µg/kg wet		20.0		92	70-130	6	25
1,3,5-Trimethylbenzene	18.6		µg/kg wet		20.0		93	70-130	5	25
Vinyl chloride	16.1		µg/kg wet		20.0		80	70-130	0.06	25
m,p-Xylene	40.7		µg/kg wet		40.0		102	70-130	7	25
o-Xylene	20.3		µg/kg wet		20.0		101	70-130	10	25
Tetrahydrofuran	14.1		µg/kg wet		20.0		70	70-130	4	25
Ethyl ether	20.8		µg/kg wet		20.0		104	70-130	4	50
Tert-amyl methyl ether	17.0		µg/kg wet		20.0		85	70-130	4	25
Ethyl tert-butyl ether	20.8		µg/kg wet		20.0		104	70-130	4	25
Di-isopropyl ether	20.9		µg/kg wet		20.0		104	70-130	2	25
Tert-Butanol / butyl alcohol	143		µg/kg wet		200		71	70-130	18	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	1	25
Ethanol	268	QC2	µg/kg wet		400		67	70-130	7	30
Surrogate: 4-Bromofluorobenzene	*45.2*		µg/kg wet		*50.0*		*90*	*70-130*		
Surrogate: Toluene-d8	*44.8*		µg/kg wet		*50.0*		*90*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*48.2*		µg/kg wet		*50.0*		*96*	*70-130*		
Surrogate: Dibromofluoromethane	*47.7*		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 9020177 - SW846 5030 Soil (high level)										
Blank (9020177-BLK1)										
Prepared & Analyzed: 03-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 9020177 - SW846 5030 Soil (high level)										
Blank (9020177-BLK1)										
Prepared & Analyzed: 03-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	*29.2*		µg/kg wet		*30.0*		*97*	*70-130*		
Surrogate: Toluene-d8	*31.4*		µg/kg wet		*30.0*		*105*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*28.8*		µg/kg wet		*30.0*		*96*	*70-130*		
Surrogate: Dibromofluoromethane	*30.4*		µg/kg wet		*30.0*		*102*	*70-130*		
LCS (9020177-BS1)										
Prepared & Analyzed: 03-Feb-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	25.2		µg/kg wet		20.0		126	70-130		
Acetone	15.2		µg/kg wet		20.0		76	7.9-168		
Acrylonitrile	20.1		µg/kg wet		20.0		100	70-130		
Benzene	18.5		µg/kg wet		20.0		92	70-130		
Bromobenzene	22.3		µg/kg wet		20.0		112	70-130		
Bromochloromethane	22.5		µg/kg wet		20.0		113	70-130		
Bromodichloromethane	18.8		µg/kg wet		20.0		94	70-130		
Bromoform	17.3		µg/kg wet		20.0		87	70-130		
Bromomethane	19.7		µg/kg wet		20.0		99	50-134		
2-Butanone (MEK)	20.4		µg/kg wet		20.0		102	44.6-130		
n-Butylbenzene	18.0		µg/kg wet		20.0		90	70-130		
sec-Butylbenzene	21.4		µg/kg wet		20.0		107	70-130		
tert-Butylbenzene	23.0		µg/kg wet		20.0		115	70-130		
Carbon disulfide	21.7		µg/kg wet		20.0		109	70-130		
Carbon tetrachloride	15.1		µg/kg wet		20.0		76	70-130		
Chlorobenzene	23.4		µg/kg wet		20.0		117	70-130		
Chloroethane	16.9		µg/kg wet		20.0		84	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 9020177 - SW846 5030 Soil (high level)										
LCS (9020177-BS1)										
Prepared & Analyzed: 03-Feb-09										
Chloroform	21.6		µg/kg wet		20.0		108	70-130		
Chloromethane	16.0		µg/kg wet		20.0		80	70-130		
2-Chlorotoluene	19.0		µg/kg wet		20.0		95	70-130		
4-Chlorotoluene	20.0		µg/kg wet		20.0		100	70-130		
1,2-Dibromo-3-chloropropane	11.0	QC2	µg/kg wet		20.0		55	70-130		
Dibromochloromethane	18.8		µg/kg wet		20.0		94	63.8-130		
1,2-Dibromoethane (EDB)	18.1		µg/kg wet		20.0		91	70-130		
Dibromomethane	20.9		µg/kg wet		20.0		104	70-130		
1,2-Dichlorobenzene	18.8		µg/kg wet		20.0		94	70-130		
1,3-Dichlorobenzene	22.4		µg/kg wet		20.0		112	70-130		
1,4-Dichlorobenzene	20.7		µg/kg wet		20.0		104	70-130		
Dichlorodifluoromethane (Freon12)	13.8		µg/kg wet		20.0		69	41.8-130		
1,1-Dichloroethane	21.6		µg/kg wet		20.0		108	70-130		
1,2-Dichloroethane	21.0		µg/kg wet		20.0		105	70-130		
1,1-Dichloroethene	22.0		µg/kg wet		20.0		110	70-130		
cis-1,2-Dichloroethene	21.5		µg/kg wet		20.0		108	70-130		
trans-1,2-Dichloroethene	21.4		µg/kg wet		20.0		107	70-130		
1,2-Dichloropropane	17.3		µg/kg wet		20.0		87	70-130		
1,3-Dichloropropane	17.8		µg/kg wet		20.0		89	70-130		
2,2-Dichloropropane	11.6	QC2	µg/kg wet		20.0		58	70-130		
1,1-Dichloropropene	19.5		µg/kg wet		20.0		98	70-130		
cis-1,3-Dichloropropene	13.9		µg/kg wet		20.0		70	70-130		
trans-1,3-Dichloropropene	11.9	QC2	µg/kg wet		20.0		60	70-130		
Ethylbenzene	19.6		µg/kg wet		20.0		98	70-130		
Hexachlorobutadiene	18.3		µg/kg wet		20.0		92	68.3-130		
2-Hexanone (MBK)	18.1		µg/kg wet		20.0		90	70-130		
Isopropylbenzene	17.7		µg/kg wet		20.0		89	70-130		
4-Isopropyltoluene	19.2		µg/kg wet		20.0		96	70-130		
Methyl tert-butyl ether	20.8		µg/kg wet		20.0		104	70-130		
4-Methyl-2-pentanone (MIBK)	18.6		µg/kg wet		20.0		93	53.1-132		
Methylene chloride	23.0		µg/kg wet		20.0		115	70-130		
Naphthalene	18.1		µg/kg wet		20.0		90	70-130		
n-Propylbenzene	19.7		µg/kg wet		20.0		99	70-130		
Styrene	20.6		µg/kg wet		20.0		103	70-130		
1,1,1,2-Tetrachloroethane	15.8		µg/kg wet		20.0		79	70-130		
1,1,2,2-Tetrachloroethane	19.1		µg/kg wet		20.0		96	70-130		
Tetrachloroethene	22.9		µg/kg wet		20.0		115	70-130		
Toluene	19.5		µg/kg wet		20.0		98	70-130		
1,2,3-Trichlorobenzene	19.8		µg/kg wet		20.0		99	70-130		
1,2,4-Trichlorobenzene	19.4		µg/kg wet		20.0		97	70-130		
1,3,5-Trichlorobenzene	19.2		µg/kg wet		20.0		96	70-130		
1,1,1-Trichloroethane	16.7		µg/kg wet		20.0		83	70-130		
1,1,2-Trichloroethane	18.6		µg/kg wet		20.0		93	70-130		
Trichloroethene	21.0		µg/kg wet		20.0		105	70-130		
Trichlorofluoromethane (Freon 11)	20.5		µg/kg wet		20.0		103	68.2-130		
1,2,3-Trichloropropane	23.9		µg/kg wet		20.0		119	70-130		
1,2,4-Trimethylbenzene	20.9		µg/kg wet		20.0		104	70-130		
1,3,5-Trimethylbenzene	21.1		µg/kg wet		20.0		106	70-130		
Vinyl chloride	18.8		µg/kg wet		20.0		94	70-130		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9020177 - SW846 5030 Soil (high level)										
LCS (9020177-BS1)										
Prepared & Analyzed: 03-Feb-09										
m,p-Xylene	40.1		µg/kg wet		40.0		100	70-130		
o-Xylene	20.6		µg/kg wet		20.0		103	70-130		
Tetrahydrofuran	19.2		µg/kg wet		20.0		96	70-130		
Ethyl ether	21.0		µg/kg wet		20.0		105	70-130		
Tert-amyl methyl ether	25.7		µg/kg wet		20.0		128	70-130		
Ethyl tert-butyl ether	11.9	QC2	µg/kg wet		20.0		60	70-130		
Di-isopropyl ether	16.3		µg/kg wet		20.0		81	70-130		
Tert-Butanol / butyl alcohol	220		µg/kg wet		200		110	70-130		
1,4-Dioxane	218		µg/kg wet		200		109	48.7-130		
trans-1,4-Dichloro-2-butene	13.4	QC1	µg/kg wet		20.0		67	70-130		
Ethanol	421		µg/kg wet		400		105	70-130		
Surrogate: 4-Bromofluorobenzene	*30.3*		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	*28.4*		µg/kg wet		*30.0*		*95*	*70-130*		
Surrogate: Dibromofluoromethane	*31.9*		µg/kg wet		*30.0*		*106*	*70-130*		
LCS Dup (9020177-BSD1)										
Prepared & Analyzed: 03-Feb-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	24.9		µg/kg wet		20.0		124	70-130	1	25
Acetone	12.7		µg/kg wet		20.0		64	7.9-168	18	50
Acrylonitrile	20.5		µg/kg wet		20.0		103	70-130	2	25
Benzene	18.4		µg/kg wet		20.0		92	70-130	0.2	25
Bromobenzene	23.6		µg/kg wet		20.0		118	70-130	6	25
Bromochloromethane	22.4		µg/kg wet		20.0		112	70-130	0.4	25
Bromodichloromethane	18.6		µg/kg wet		20.0		93	70-130	1	25
Bromoform	18.6		µg/kg wet		20.0		93	70-130	7	25
Bromomethane	18.2		µg/kg wet		20.0		91	50-134	8	50
2-Butanone (MEK)	19.6		µg/kg wet		20.0		98	44.6-130	4	50
n-Butylbenzene	17.9		µg/kg wet		20.0		90	70-130	0.5	25
sec-Butylbenzene	22.1		µg/kg wet		20.0		110	70-130	3	25
tert-Butylbenzene	23.6		µg/kg wet		20.0		118	70-130	3	25
Carbon disulfide	21.7		µg/kg wet		20.0		108	70-130	0.4	25
Carbon tetrachloride	15.3		µg/kg wet		20.0		76	70-130	1	25
Chlorobenzene	24.2		µg/kg wet		20.0		121	70-130	4	25
Chloroethane	16.5		µg/kg wet		20.0		82	59.2-130	2	50
Chloroform	20.9		µg/kg wet		20.0		104	70-130	3	25
Chloromethane	16.1		µg/kg wet		20.0		80	70-130	0.6	25
2-Chlorotoluene	18.5		µg/kg wet		20.0		92	70-130	3	25
4-Chlorotoluene	20.5		µg/kg wet		20.0		102	70-130	3	25
1,2-Dibromo-3-chloropropane	11.2	QC2	µg/kg wet		20.0		56	70-130	2	25
Dibromochloromethane	19.2		µg/kg wet		20.0		96	63.8-130	2	50
1,2-Dibromoethane (EDB)	17.9		µg/kg wet		20.0		90	70-130	0.9	25
Dibromomethane	20.3		µg/kg wet		20.0		101	70-130	3	25
1,2-Dichlorobenzene	19.1		µg/kg wet		20.0		96	70-130	2	25
1,3-Dichlorobenzene	23.6		µg/kg wet		20.0		118	70-130	5	25
1,4-Dichlorobenzene	20.7		µg/kg wet		20.0		103	70-130	0.2	25
Dichlorodifluoromethane (Freon12)	14.2		µg/kg wet		20.0		71	41.8-130	2	50
1,1-Dichloroethane	21.1		µg/kg wet		20.0		106	70-130	2	25
1,2-Dichloroethane	20.2		µg/kg wet		20.0		101	70-130	4	25
1,1-Dichloroethene	22.4		µg/kg wet		20.0		112	70-130	2	25
cis-1,2-Dichloroethene	21.4		µg/kg wet		20.0		107	70-130	0.3	25

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9020177 - SW846 5030 Soil (high level)										
LCS Dup (9020177-BSD1)										
Prepared & Analyzed: 03-Feb-09										
trans-1,2-Dichloroethene	22.1		µg/kg wet		20.0		110	70-130	3	25
1,2-Dichloropropane	17.0		µg/kg wet		20.0		85	70-130	2	25
1,3-Dichloropropane	17.8		µg/kg wet		20.0		89	70-130	0.6	25
2,2-Dichloropropane	11.2	QC2	µg/kg wet		20.0		56	70-130	4	25
1,1-Dichloropropene	19.2		µg/kg wet		20.0		96	70-130	1	25
cis-1,3-Dichloropropene	14.1		µg/kg wet		20.0		70	70-130	1	25
trans-1,3-Dichloropropene	12.2	QC2	µg/kg wet		20.0		61	70-130	2	25
Ethylbenzene	20.2		µg/kg wet		20.0		101	70-130	3	25
Hexachlorobutadiene	19.3		µg/kg wet		20.0		96	68.3-130	5	50
2-Hexanone (MBK)	17.6		µg/kg wet		20.0		88	70-130	3	25
Isopropylbenzene	18.2		µg/kg wet		20.0		91	70-130	3	25
4-Isopropyltoluene	19.2		µg/kg wet		20.0		96	70-130	0.4	25
Methyl tert-butyl ether	20.7		µg/kg wet		20.0		103	70-130	0.9	25
4-Methyl-2-pentanone (MIBK)	18.4		µg/kg wet		20.0		92	53.1-132	0.8	50
Methylene chloride	23.0		µg/kg wet		20.0		115	70-130	0.2	25
Naphthalene	17.6		µg/kg wet		20.0		88	70-130	3	25
n-Propylbenzene	20.7		µg/kg wet		20.0		104	70-130	5	25
Styrene	21.3		µg/kg wet		20.0		106	70-130	3	25
1,1,1,2-Tetrachloroethane	17.1		µg/kg wet		20.0		86	70-130	8	25
1,1,2,2-Tetrachloroethane	18.8		µg/kg wet		20.0		94	70-130	2	25
Tetrachloroethene	23.2		µg/kg wet		20.0		116	70-130	1	25
Toluene	19.5		µg/kg wet		20.0		98	70-130	0	25
1,2,3-Trichlorobenzene	20.3		µg/kg wet		20.0		101	70-130	2	25
1,2,4-Trichlorobenzene	19.1		µg/kg wet		20.0		96	70-130	1	25
1,3,5-Trichlorobenzene	19.6		µg/kg wet		20.0		98	70-130	2	25
1,1,1-Trichloroethane	16.4		µg/kg wet		20.0		82	70-130	2	25
1,1,2-Trichloroethane	18.4		µg/kg wet		20.0		92	70-130	1	25
Trichloroethene	20.5		µg/kg wet		20.0		103	70-130	2	25
Trichlorofluoromethane (Freon 11)	20.5		µg/kg wet		20.0		103	68.2-130	0.1	50
1,2,3-Trichloropropane	23.8		µg/kg wet		20.0		119	70-130	0.2	25
1,2,4-Trimethylbenzene	21.2		µg/kg wet		20.0		106	70-130	2	25
1,3,5-Trimethylbenzene	21.6		µg/kg wet		20.0		108	70-130	2	25
Vinyl chloride	19.2		µg/kg wet		20.0		96	70-130	2	25
m,p-Xylene	41.8		µg/kg wet		40.0		105	70-130	4	25
o-Xylene	21.2		µg/kg wet		20.0		106	70-130	3	25
Tetrahydrofuran	18.4		µg/kg wet		20.0		92	70-130	4	25
Ethyl ether	20.8		µg/kg wet		20.0		104	70-130	0.9	50
Tert-amyl methyl ether	24.9		µg/kg wet		20.0		125	70-130	3	25
Ethyl tert-butyl ether	11.3	QC2	µg/kg wet		20.0		56	70-130	6	25
Di-isopropyl ether	16.0		µg/kg wet		20.0		80	70-130	2	25
Tert-Butanol / butyl alcohol	198		µg/kg wet		200		99	70-130	11	25
1,4-Dioxane	241		µg/kg wet		200		120	48.7-130	10	25
trans-1,4-Dichloro-2-butene	15.2		µg/kg wet		20.0		76	70-130	13	25
Ethanol	380		µg/kg wet		400		95	70-130	10	30
Surrogate: 4-Bromofluorobenzene	*30.6*		µg/kg wet		*30.0*		*102*	*70-130*		
Surrogate: Toluene-d8	*31.3*		µg/kg wet		*30.0*		*104*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*27.9*		µg/kg wet		*30.0*		*93*	*70-130*		
Surrogate: Dibromofluoromethane	*31.0*		µg/kg wet		*30.0*		*103*	*70-130*		
Matrix Spike (9020177-MS1)	**Source: SA90526-01**									
Prepared & Analyzed: 03-Feb-09										

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9020177 - SW846 5030 Soil (high level)										
Matrix Spike (9020177-MS1)	**Source: SA90526-01**									
Prepared & Analyzed: 03-Feb-09										
Benzene	18.5		µg/kg dry		20.0	BRL	92	70-130		
Chlorobenzene	23.6		µg/kg dry		20.0	BRL	118	70-130		
1,1-Dichloroethene	22.1		µg/kg dry		20.0	BRL	110	70-130		
Toluene	19.9		µg/kg dry		20.0	BRL	100	70-130		
Trichloroethene	20.6		µg/kg dry		20.0	BRL	103	70-130		
Surrogate: 4-Bromofluorobenzene	*31.4*		µg/kg dry		*30.0*		*105*	*70-130*		
Surrogate: Toluene-d8	*31.9*		µg/kg dry		*30.0*		*106*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*29.5*		µg/kg dry		*30.0*		*98*	*70-130*		
Surrogate: Dibromofluoromethane	*30.4*		µg/kg dry		*30.0*		*101*	*70-130*		
Matrix Spike Dup (9020177-MSD1)	**Source: SA90526-01**									
Prepared & Analyzed: 03-Feb-09										
Benzene	19.4		µg/kg dry		20.0	BRL	97	70-130	5	30
Chlorobenzene	25.2		µg/kg dry		20.0	BRL	126	70-130	6	30
1,1-Dichloroethene	24.9		µg/kg dry		20.0	BRL	124	70-130	12	30
Toluene	20.7		µg/kg dry		20.0	BRL	104	70-130	4	30
Trichloroethene	22.4		µg/kg dry		20.0	BRL	112	70-130	9	30
Surrogate: 4-Bromofluorobenzene	*31.4*		µg/kg dry		*30.0*		*105*	*70-130*		
Surrogate: Toluene-d8	*30.9*		µg/kg dry		*30.0*		*103*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*27.8*		µg/kg dry		*30.0*		*92*	*70-130*		
Surrogate: Dibromofluoromethane	*30.5*		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 9020219 - SW846 3550B										
Blank (9020219-BLK1)										
Prepared: 03-Feb-09 Analyzed: 04-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 9020219 - SW846 3550B										
Blank (9020219-BLK1)										
Prepared: 03-Feb-09 Analyzed: 04-Feb-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	*2470*		µg/kg wet		*3330*		*74*	*30-130*		
Surrogate: Phenol-d5	*2040*		µg/kg wet		*3330*		*61*	*15-110*		
Surrogate: Terphenyl-dl4	*2050*		µg/kg wet		*3330*		*61*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*2120*		µg/kg wet		*3330*		*64*	*15-110*		
LCS (9020219-BS1)										
Prepared: 03-Feb-09 Analyzed: 04-Feb-09										
Acenaphthene	2300		µg/kg wet	330	3330		69	40-130		
Acenaphthylene	2310		µg/kg wet	330	3330		69	40-130		
Aniline	253	QC2	µg/kg wet	330	3330		8	40-130		
Anthracene	2250		µg/kg wet	330	3330		68	40-130		
Atrazine	2510		µg/kg wet	330	3330		75	40-130		
Azobenzene/Diphenyldiazine	2430		µg/kg wet	330	3330		73	40-130		
Benzidine	60.0		µg/kg wet	330	3330		2	0-130		
Benzo (a) anthracene	1900		µg/kg wet	330	3330		57	40-130		
Benzo (a) pyrene	2140		µg/kg wet	330	3330		64	40-130		
Benzo (b) fluoranthene	1910		µg/kg wet	330	3330		57	40-130		
Benzo (g,h,i) perylene	2240		µg/kg wet	330	3330		67	40-130		
Benzo (k) fluoranthene	2560		µg/kg wet	330	3330		77	40-130		
Benzoic acid	2450		µg/kg wet	330	3330		74	19.5-130		
Benzyl alcohol	2200		µg/kg wet	330	3330		66	40-130		
Bis(2-chloroethoxy)methane	2620		µg/kg wet	330	3330		79	40-130		
Bis(2-chloroethyl)ether	2920		µg/kg wet	330	3330		88	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 9020219 - SW846 3550B										
LCS (9020219-BS1)										
Prepared: 03-Feb-09 Analyzed: 04-Feb-09										
Bis(2-chloroisopropyl)ether	2660		µg/kg wet	330	3330		80	40-130		
Bis(2-ethylhexyl)phthalate	2410		µg/kg wet	330	3330		72	40-130		
4-Bromophenyl phenyl ether	2180		µg/kg wet	330	3330		66	40-130		
Butyl benzyl phthalate	2320		µg/kg wet	330	3330		70	40-130		
Carbazole	3270		µg/kg wet	330	3330		98	40-130		
4-Chloro-3-methylphenol	2630		µg/kg wet	330	3330		79	40-130		
4-Chloroaniline	759	QC2	µg/kg wet	330	3330		23	40-130		
2-Chloronaphthalene	1990		µg/kg wet	330	3330		60	40-130		
2-Chlorophenol	2220		µg/kg wet	330	3330		67	40-130		
4-Chlorophenyl phenyl ether	2480		µg/kg wet	330	3330		75	40-130		
Chrysene	2120		µg/kg wet	330	3330		64	40-130		
Dibenzo (a,h) anthracene	2250		µg/kg wet	330	3330		68	40-130		
Dibenzofuran	2160		µg/kg wet	330	3330		65	40-130		
1,2-Dichlorobenzene	2260		µg/kg wet	330	3330		68	40-130		
1,3-Dichlorobenzene	1680		µg/kg wet	330	3330		51	40-130		
1,4-Dichlorobenzene	2510		µg/kg wet	330	3330		75	40-130		
3,3'-Dichlorobenzidine	1850		µg/kg wet	330	3330		56	40-130		
2,4-Dichlorophenol	2150		µg/kg wet	330	3330		65	40-130		
Diethyl phthalate	2560		µg/kg wet	330	3330		77	40-130		
Dimethyl phthalate	2420		µg/kg wet	330	3330		73	40-130		
2,4-Dimethylphenol	2130		µg/kg wet	330	3330		64	40-130		
Di-n-butyl phthalate	2560		µg/kg wet	330	3330		77	40-130		
4,6-Dinitro-2-methylphenol	2080		µg/kg wet	330	3330		62	40-130		
2,4-Dinitrophenol	2350		µg/kg wet	330	3330		71	40-130		
2,4-Dinitrotoluene	2210		µg/kg wet	330	3330		66	40-130		
2,6-Dinitrotoluene	2160		µg/kg wet	330	3330		65	40-130		
Di-n-octyl phthalate	2780		µg/kg wet	330	3330		84	40-130		
Fluoranthene	2150		µg/kg wet	330	3330		65	40-130		
Fluorene	2400		µg/kg wet	330	3330		72	40-130		
Hexachlorobenzene	1880		µg/kg wet	330	3330		56	40-130		
Hexachlorobutadiene	2180		µg/kg wet	330	3330		65	40-130		
Hexachlorocyclopentadiene	1460		µg/kg wet	330	3330		44	40-130		
Hexachloroethane	2300		µg/kg wet	330	3330		69	40-130		
Indeno (1,2,3-cd) pyrene	2030		µg/kg wet	330	3330		61	40-130		
1-Methylnaphthalene	2320		µg/kg wet	330	3330		70	40-140		
Isophorone	2490		µg/kg wet	330	3330		75	40-130		
2-Methylnaphthalene	2160		µg/kg wet	330	3330		65	40-130		
2-Methylphenol	2020		µg/kg wet	330	3330		61	40-130		
3 & 4-Methylphenol	2640		µg/kg wet	330	3330		79	40-130		
Naphthalene	2330		µg/kg wet	330	3330		70	40-130		
2-Nitroaniline	2240		µg/kg wet	330	3330		67	40-130		
3-Nitroaniline	1900		µg/kg wet	330	3330		57	40-130		
4-Nitroaniline	2100		µg/kg wet	1320	3330		63	40-130		
Nitrobenzene	2150		µg/kg wet	330	3330		64	40-130		
2-Nitrophenol	2240		µg/kg wet	330	3330		67	40-130		
4-Nitrophenol	2410		µg/kg wet	1320	3330		72	40-130		
N-Nitrosodimethylamine	2250		µg/kg wet	330	3330		67	40-130		
N-Nitrosodi-n-propylamine	2790		µg/kg wet	330	3330		84	40-130		
N-Nitrosodiphenylamine	2410		µg/kg wet	330	3330		72	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 9020219 - SW846 3550B										
LCS (9020219-BS1)										
Prepared: 03-Feb-09 Analyzed: 04-Feb-09										
Pentachlorophenol	1840		µg/kg wet	330	3330		55	40-130		
Phenanthrene	2150		µg/kg wet	330	3330		65	40-130		
Phenol	2210		µg/kg wet	330	3330		66	40-130		
Pyrene	1970		µg/kg wet	330	3330		59	40-130		
Pyridine	76.0		µg/kg wet	330	3330		2	0-130		
1,2,4-Trichlorobenzene	1960		µg/kg wet	330	3330		59	40-130		
2,4,5-Trichlorophenol	2450		µg/kg wet	330	3330		74	40-130		
2,4,6-Trichlorophenol	1790		µg/kg wet	330	3330		54	40-130		
Pentachloronitrobenzene	2630		µg/kg wet	330	3330		79	40-140		
1,2,4,5-Tetrachlorobenzene	1840		µg/kg wet	330	3330		55	40-140		
Surrogate: 2-Fluorobiphenyl	*2130*		µg/kg wet		*3330*		*64*	*30-130*		
Surrogate: 2-Fluorophenol	*1950*		µg/kg wet		*3330*		*59*	*15-110*		
Surrogate: Nitrobenzene-d5	*2540*		µg/kg wet		*3330*		*76*	*30-130*		
Surrogate: Phenol-d5	*1840*		µg/kg wet		*3330*		*55*	*15-110*		
Surrogate: Terphenyl-dl4	*1800*		µg/kg wet		*3330*		*54*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*2140*		µg/kg wet		*3330*		*64*	*15-110*		
Duplicate (9020219-DUP1) **Source: SA90481-02**										
Prepared: 03-Feb-09 Analyzed: 04-Feb-09										
Acenaphthene	BRL		µg/kg dry	437		BRL				50
Acenaphthylene	BRL		µg/kg dry	437		BRL				50
Aniline	BRL		µg/kg dry	437		BRL				50
Anthracene	BRL		µg/kg dry	437		BRL				50
Atrazine	BRL		µg/kg dry	437		BRL				50
Azobenzene/Diphenyldiazine	BRL		µg/kg dry	437		BRL				50
Benzidine	BRL		µg/kg dry	437		BRL				50
Benzo (a) anthracene	BRL		µg/kg dry	437		108				50
Benzo (a) pyrene	BRL		µg/kg dry	437		86.4				50
Benzo (b) fluoranthene	BRL		µg/kg dry	437		105				50
Benzo (g,h,i) perylene	BRL		µg/kg dry	437		52.0				50
Benzo (k) fluoranthene	BRL		µg/kg dry	437		116				50
Benzoic acid	BRL		µg/kg dry	437		BRL				50
Benzyl alcohol	BRL		µg/kg dry	437		BRL				50
Bis(2-chloroethoxy)methane	BRL		µg/kg dry	437		BRL				50
Bis(2-chloroethyl)ether	BRL		µg/kg dry	437		BRL				50
Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	437		BRL				50
Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	437		BRL				50
4-Bromophenyl phenyl ether	BRL		µg/kg dry	437		BRL				50
Butyl benzyl phthalate	BRL		µg/kg dry	437		BRL				50
Carbazole	BRL		µg/kg dry	437		BRL				50
4-Chloro-3-methylphenol	BRL		µg/kg dry	437		BRL				50
4-Chloroaniline	BRL		µg/kg dry	437		BRL				50
2-Chloronaphthalene	BRL		µg/kg dry	437		BRL				50
2-Chlorophenol	BRL		µg/kg dry	437		BRL				50
4-Chlorophenyl phenyl ether	BRL		µg/kg dry	437		BRL				50
Chrysene	62.6	J,QM4	µg/kg dry	437		168			91	50
Dibenzo (a,h) anthracene	BRL		µg/kg dry	437		BRL				50
Dibenzofuran	BRL		µg/kg dry	437		BRL				50
1,2-Dichlorobenzene	BRL		µg/kg dry	437		BRL				50
1,3-Dichlorobenzene	BRL		µg/kg dry	437		BRL				50
1,4-Dichlorobenzene	BRL		µg/kg dry	437		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 9020219 - SW846 3550B										
Duplicate (9020219-DUP1) **Source: SA90481-02**										
Prepared: 03-Feb-09 Analyzed: 04-Feb-09										
3,3'-Dichlorobenzidine	BRL		µg/kg dry	437		BRL				50
2,4-Dichlorophenol	BRL		µg/kg dry	437		BRL				50
Diethyl phthalate	BRL		µg/kg dry	437		BRL				50
Dimethyl phthalate	BRL		µg/kg dry	437		BRL				50
2,4-Dimethylphenol	BRL		µg/kg dry	437		BRL				50
Di-n-butyl phthalate	BRL		µg/kg dry	437		BRL				50
4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	437		BRL				50
2,4-Dinitrophenol	BRL		µg/kg dry	437		BRL				50
2,4-Dinitrotoluene	BRL		µg/kg dry	437		BRL				50
2,6-Dinitrotoluene	BRL		µg/kg dry	437		BRL				50
Di-n-octyl phthalate	BRL		µg/kg dry	437		BRL				50
Fluoranthene	132	J,QM4	µg/kg dry	437		346			89	50
Fluorene	BRL		µg/kg dry	437		BRL				50
Hexachlorobenzene	BRL		µg/kg dry	437		BRL				50
Hexachlorobutadiene	BRL		µg/kg dry	437		BRL				50
Hexachlorocyclopentadiene	BRL		µg/kg dry	437		BRL				50
Hexachloroethane	BRL		µg/kg dry	437		BRL				50
Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	437		52.9				50
1-Methylnaphthalene	BRL		µg/kg dry	437		BRL				50
Isophorone	BRL		µg/kg dry	437		BRL				50
2-Methylnaphthalene	BRL		µg/kg dry	437		BRL				50
2-Methylphenol	BRL		µg/kg dry	437		BRL				50
3 & 4-Methylphenol	BRL		µg/kg dry	437		BRL				50
Naphthalene	BRL		µg/kg dry	437		BRL				50
2-Nitroaniline	BRL		µg/kg dry	437		BRL				50
3-Nitroaniline	BRL		µg/kg dry	437		BRL				50
4-Nitroaniline	BRL		µg/kg dry	1750		BRL				50
Nitrobenzene	BRL		µg/kg dry	437		BRL				50
2-Nitrophenol	BRL		µg/kg dry	437		BRL				50
4-Nitrophenol	BRL		µg/kg dry	1750		BRL				50
N-Nitrosodimethylamine	BRL		µg/kg dry	437		BRL				50
N-Nitrosodi-n-propylamine	BRL		µg/kg dry	437		BRL				50
N-Nitrosodiphenylamine	BRL		µg/kg dry	437		BRL				50
Pentachlorophenol	BRL		µg/kg dry	437		BRL				50
Phenanthrene	45.9	J,QM4	µg/kg dry	437		116			87	50
Phenol	BRL		µg/kg dry	437		BRL				50
Pyrene	115	J,QM4	µg/kg dry	437		287			86	50
Pyridine	BRL		µg/kg dry	437		BRL				50
1,2,4-Trichlorobenzene	BRL		µg/kg dry	437		BRL				50
2,4,5-Trichlorophenol	BRL		µg/kg dry	437		BRL				50
2,4,6-Trichlorophenol	BRL		µg/kg dry	437		BRL				50
Pentachloronitrobenzene	BRL		µg/kg dry	437		BRL				50
1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	437		BRL				50
Surrogate: 2-Fluorobiphenyl	*1320*		µg/kg dry		*2200*		*60*	*30-130*		
Surrogate: 2-Fluorophenol	*1200*		µg/kg dry		*2200*		*54*	*15-110*		
Surrogate: Nitrobenzene-d5	*1200*		µg/kg dry		*2200*		*54*	*30-130*		
Surrogate: Phenol-d5	*1310*		µg/kg dry		*2200*		*59*	*15-110*		
Surrogate: Terphenyl-dl4	*1260*		µg/kg dry		*2200*		*57*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*1120*		µg/kg dry		*2200*		*51*	*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 9020219 - SW846 3550B										
Matrix Spike (9020219-MS1) **Source: SA90481-02**										
Prepared: 03-Feb-09 Analyzed: 04-Feb-09										
Acenaphthene	1190		µg/kg dry	219	2210	BRL	54	40-140		
Benzo (b) fluoranthene	995		µg/kg dry	219	2210	105	40	40-140		
Benzo (k) fluoranthene	1470		µg/kg dry	219	2210	116	61	40-140		
4-Chloro-3-methylphenol	1330		µg/kg dry	219	2210	BRL	60	30-130		
2-Chlorophenol	1040		µg/kg dry	219	2210	BRL	47	30-130		
Chrysene	1300		µg/kg dry	219	2210	168	51	40-140		
1,4-Dichlorobenzene	1150		µg/kg dry	219	2210	BRL	52	40-140		
Indeno (1,2,3-cd) pyrene	1040		µg/kg dry	219	2210	52.9	45	40-140		
Naphthalene	1160		µg/kg dry	219	2210	BRL	52	40-140		
4-Nitrophenol	1120		µg/kg dry	875	2210	BRL	51	30-130		
N-Nitrosodi-n-propylamine	1360		µg/kg dry	219	2210	BRL	61	40-140		
Pentachlorophenol	1210		µg/kg dry	219	2210	BRL	55	30-130		
Phenol	1010		µg/kg dry	219	2210	BRL	46	30-130		
Pyrene	1240		µg/kg dry	219	2210	287	43	40-140		
1,2,4-Trichlorobenzene	935		µg/kg dry	219	2210	BRL	42	40-140		
Surrogate: 2-Fluorobiphenyl	*1130*		µg/kg dry		*2210*		*51*	*30-130*		
Surrogate: 2-Fluorophenol	*893*		µg/kg dry		*2210*		*40*	*15-110*		
Surrogate: Nitrobenzene-d5	*1230*		µg/kg dry		*2210*		*56*	*30-130*		
Surrogate: Phenol-d5	*1070*		µg/kg dry		*2210*		*48*	*15-110*		
Surrogate: Terphenyl-dl4	*1090*		µg/kg dry		*2210*		*49*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*1110*		µg/kg dry		*2210*		*50*	*15-110*		
Matrix Spike Dup (9020219-MSD1) **Source: SA90481-02**										
Prepared: 03-Feb-09 Analyzed: 04-Feb-09										
Acenaphthene	1040		µg/kg dry	220	2230	BRL	47	40-140	14	30
Benzo (b) fluoranthene	861	QM7	µg/kg dry	220	2230	105	34	40-140	17	30
Benzo (k) fluoranthene	1310		µg/kg dry	220	2230	116	54	40-140	13	30
4-Chloro-3-methylphenol	1170		µg/kg dry	220	2230	BRL	53	30-130	13	30
2-Chlorophenol	942		µg/kg dry	220	2230	BRL	42	30-130	10	30
Chrysene	1110		µg/kg dry	220	2230	168	42	40-140	20	30
1,4-Dichlorobenzene	1060		µg/kg dry	220	2230	BRL	48	40-140	8	30
Indeno (1,2,3-cd) pyrene	904	QM7	µg/kg dry	220	2230	52.9	38	40-140	16	30
Naphthalene	1050		µg/kg dry	220	2230	BRL	47	40-140	10	30
4-Nitrophenol	986		µg/kg dry	881	2230	BRL	44	30-130	14	30
N-Nitrosodi-n-propylamine	1220		µg/kg dry	220	2230	BRL	55	40-140	11	30
Pentachlorophenol	985		µg/kg dry	220	2230	BRL	44	30-130	21	30
Phenol	946		µg/kg dry	220	2230	BRL	42	30-130	7	30
Pyrene	1090	QM7	µg/kg dry	220	2230	287	36	40-140	17	30
1,2,4-Trichlorobenzene	911		µg/kg dry	220	2230	BRL	41	40-140	3	30
Surrogate: 2-Fluorobiphenyl	*991*		µg/kg dry		*2230*		*44*	*30-130*		
Surrogate: 2-Fluorophenol	*820*		µg/kg dry		*2230*		*37*	*15-110*		
Surrogate: Nitrobenzene-d5	*1120*		µg/kg dry		*2230*		*50*	*30-130*		
Surrogate: Phenol-d5	*723*		µg/kg dry		*2230*		*32*	*15-110*		
Surrogate: Terphenyl-dl4	*925*		µg/kg dry		*2230*		*42*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*950*		µg/kg dry		*2230*		*43*	*15-110*		
Batch 9020839 - SW846 3535										
Blank (9020839-BLK1)										
Prepared: 11-Feb-09 Analyzed: 12-Feb-09										
Acenaphthene	BRL		µg/l	0.200						
Acenaphthylene	BRL		µg/l	0.200						
1-Methylnaphthalene	BRL		µg/l	0.200						

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9020839 - SW846 3535										
Blank (9020839-BLK1)										
Prepared: 11-Feb-09 Analyzed: 12-Feb-09										
Anthracene	BRL		µg/l	0.200						
Benzo (a) anthracene	BRL		µg/l	0.200						
Benzo (a) pyrene	BRL		µg/l	0.200						
Benzo (b) fluoranthene	BRL		µg/l	0.200						
Benzo (g,h,i) perylene	BRL		µg/l	0.200						
Benzo (k) fluoranthene	BRL		µg/l	0.200						
Chrysene	BRL		µg/l	0.200						
Dibenzo (a,h) anthracene	BRL		µg/l	0.200						
Fluoranthene	BRL		µg/l	0.200						
Fluorene	BRL		µg/l	0.200						
Indeno (1,2,3-cd) pyrene	BRL		µg/l	0.200						
2-Methylnaphthalene	BRL		µg/l	0.200						
Naphthalene	BRL		µg/l	0.200						
Phenanthrene	BRL		µg/l	0.200						
Pyrene	BRL		µg/l	0.200						
Surrogate: 2-Fluorobiphenyl	*37.9*		µg/l		*55.6*		*68*	*30-130*		
Surrogate: Terphenyl-dl4	*31.2*		µg/l		*55.6*		*56*	*30-130*		
LCS (9020839-BS1)										
Prepared: 11-Feb-09 Analyzed: 12-Feb-09										
Acenaphthene	41.8		µg/l	0.200	55.6		75	40-140		
Acenaphthylene	40.7		µg/l	0.200	55.6		73	40-140		
1-Methylnaphthalene	42.9		µg/l	0.200	55.6		77	40-140		
Anthracene	42.8		µg/l	0.200	55.6		77	40-140		
Benzo (a) anthracene	38.3		µg/l	0.200	55.6		69	40-140		
Benzo (a) pyrene	42.7		µg/l	0.200	55.6		77	40-140		
Benzo (b) fluoranthene	42.5		µg/l	0.200	55.6		76	40-140		
Benzo (g,h,i) perylene	42.0		µg/l	0.200	55.6		76	40-140		
Benzo (k) fluoranthene	47.9		µg/l	0.200	55.6		86	40-140		
Chrysene	38.9		µg/l	0.200	55.6		70	40-140		
Dibenzo (a,h) anthracene	41.4		µg/l	0.200	55.6		75	40-140		
Fluoranthene	42.0		µg/l	0.200	55.6		76	40-140		
Fluorene	41.5		µg/l	0.200	55.6		75	40-140		
Indeno (1,2,3-cd) pyrene	42.5		µg/l	0.200	55.6		76	40-140		
2-Methylnaphthalene	40.1		µg/l	0.200	55.6		72	40-140		
Naphthalene	40.5		µg/l	0.200	55.6		73	40-140		
Phenanthrene	46.0		µg/l	0.200	55.6		83	40-140		
Pyrene	39.9		µg/l	0.200	55.6		72	40-140		
Surrogate: 2-Fluorobiphenyl	*39.3*		µg/l		*55.6*		*71*	*30-130*		
Surrogate: Terphenyl-dl4	*37.2*		µg/l		*55.6*		*67*	*30-130*		
Duplicate (9020839-DUP1) **Source: SA90481-03**										
Prepared: 11-Feb-09 Analyzed: 12-Feb-09										
Acenaphthene	BRL		µg/l	0.200		BRL				50
Acenaphthylene	BRL		µg/l	0.200		BRL				50
1-Methylnaphthalene	BRL		µg/l	0.200		BRL				50
Anthracene	BRL		µg/l	0.200		BRL				50
Benzo (a) anthracene	BRL		µg/l	0.200		BRL				50
Benzo (a) pyrene	BRL		µg/l	0.200		BRL				50
Benzo (b) fluoranthene	BRL		µg/l	0.200		BRL				50
Benzo (g,h,i) perylene	BRL		µg/l	0.200		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 9020839 - SW846 3535										
Duplicate (9020839-DUP1) **Source: SA90481-03**										
Prepared: 11-Feb-09 Analyzed: 12-Feb-09										
Benzo (k) fluoranthene	BRL		µg/l	0.200		BRL				50
Chrysene	BRL		µg/l	0.200		BRL				50
Dibenzo (a,h) anthracene	BRL		µg/l	0.200		BRL				50
Fluoranthene	BRL		µg/l	0.200		BRL				50
Fluorene	BRL		µg/l	0.200		BRL				50
Indeno (1,2,3-cd) pyrene	BRL		µg/l	0.200		BRL				50
2-Methylnaphthalene	BRL		µg/l	0.200		BRL				50
Naphthalene	BRL		µg/l	0.200		BRL				50
Phenanthrene	BRL		µg/l	0.200		BRL				50
Pyrene	BRL		µg/l	0.200		BRL				50
Surrogate: 2-Fluorobiphenyl	*31.7*		µg/l		*52.6*		*60*	*30-130*		
Surrogate: Terphenyl-d14	*28.9*		µg/l		*52.6*		*55*	*30-130*		

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9020137 - SW846 3550B										
Blank (9020137-BLK1)										
Prepared & Analyzed: 03-Feb-09										
alpha-BHC	BRL		µg/kg wet	5.01						
alpha-BHC [2C]	BRL		µg/kg wet	5.01						
beta-BHC	BRL		µg/kg wet	5.01						
beta-BHC [2C]	BRL		µg/kg wet	5.01						
delta-BHC	BRL		µg/kg wet	5.01						
delta-BHC [2C]	BRL		µg/kg wet	5.01						
gamma-BHC (Lindane)	BRL		µg/kg wet	5.01						
gamma-BHC (Lindane) [2C]	BRL		µg/kg wet	5.01						
Heptachlor	BRL		µg/kg wet	5.01						
Heptachlor [2C]	BRL		µg/kg wet	5.01						
Aldrin	BRL		µg/kg wet	5.01						
Aldrin [2C]	BRL		µg/kg wet	5.01						
Heptachlor epoxide	BRL		µg/kg wet	5.01						
Heptachlor epoxide [2C]	BRL		µg/kg wet	5.01						
Endosulfan I	BRL		µg/kg wet	5.01						
Endosulfan I [2C]	BRL		µg/kg wet	5.01						
Dieldrin	BRL		µg/kg wet	5.01						
Dieldrin [2C]	BRL		µg/kg wet	5.01						
4,4'-DDE (p,p')	BRL		µg/kg wet	5.01						
4,4'-DDE (p,p') [2C]	BRL		µg/kg wet	5.01						
Endrin	BRL		µg/kg wet	5.01						
Endrin [2C]	BRL		µg/kg wet	5.01						
Endosulfan II	BRL		µg/kg wet	5.01						
Endosulfan II [2C]	BRL		µg/kg wet	5.01						
4,4'-DDD (p,p')	BRL		µg/kg wet	5.01						
4,4'-DDD (p,p') [2C]	BRL		µg/kg wet	5.01						
Endosulfan sulfate	BRL		µg/kg wet	5.01						
Endosulfan sulfate [2C]	BRL		µg/kg wet	5.01						
4,4'-DDT (p,p')	BRL		µg/kg wet	5.01						
4,4'-DDT (p,p') [2C]	BRL		µg/kg wet	5.01						
Methoxychlor	BRL		µg/kg wet	5.01						
Methoxychlor [2C]	BRL		µg/kg wet	5.01						
Endrin ketone	BRL		µg/kg wet	5.01						
Endrin ketone [2C]	BRL		µg/kg wet	5.01						
Endrin aldehyde	BRL		µg/kg wet	5.01						
Endrin aldehyde [2C]	BRL		µg/kg wet	5.01						
alpha-Chlordane	BRL		µg/kg wet	5.01						
alpha-Chlordane [2C]	BRL		µg/kg wet	5.01						
gamma-Chlordane	BRL		µg/kg wet	5.01						
gamma-Chlordane [2C]	BRL		µg/kg wet	5.01						
Toxaphene	BRL		µg/kg wet	25.0						
Toxaphene [2C]	BRL		µg/kg wet	25.0						
Chlordane	BRL		µg/kg wet	25.0						
Chlordane [2C]	BRL		µg/kg wet	25.0						
Alachlor	BRL		µg/kg wet	10.0						
Alachlor [2C]	BRL		µg/kg wet	10.0						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*7.90*		µg/kg wet		*10.0*		*79*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [:	*7.92*		µg/kg wet		*10.0*		*79*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*5.56*		µg/kg wet		*10.0*		*56*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*BRL*		µg/kg wet		*10.0*		*44*	*30-150*		

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9020137 - SW846 3550B										
LCS (9020137-BS1)										
Prepared & Analyzed: 03-Feb-09										
alpha-BHC	8.37		µg/kg wet	5.01	10.0		84	40-140		
alpha-BHC [2C]	7.89		µg/kg wet	5.01	10.0		79	40-140		
beta-BHC	9.04		µg/kg wet	5.01	10.0		90	40-140		
beta-BHC [2C]	10.7		µg/kg wet	5.01	10.0		107	40-140		
delta-BHC	8.50		µg/kg wet	5.01	10.0		85	40-140		
delta-BHC [2C]	7.57		µg/kg wet	5.01	10.0		76	40-140		
gamma-BHC (Lindane)	9.52		µg/kg wet	5.01	10.0		95	50-120		
gamma-BHC (Lindane) [2C]	8.54		µg/kg wet	5.01	10.0		85	50-120		
Heptachlor	9.01		µg/kg wet	5.01	10.0		90	40-140		
Heptachlor [2C]	8.47		µg/kg wet	5.01	10.0		85	40-140		
Aldrin	8.73		µg/kg wet	5.01	10.0		87	40-140		
Aldrin [2C]	7.88		µg/kg wet	5.01	10.0		79	40-140		
Heptachlor epoxide	9.29		µg/kg wet	5.01	10.0		93	50-150		
Heptachlor epoxide [2C]	8.38		µg/kg wet	5.01	10.0		84	50-150		
Endosulfan I	9.02		µg/kg wet	5.01	10.0		90	40-140		
Endosulfan I [2C]	8.40		µg/kg wet	5.01	10.0		84	40-140		
Dieldrin	9.23		µg/kg wet	5.01	10.0		92	30-130		
Dieldrin [2C]	8.40		µg/kg wet	5.01	10.0		84	30-130		
4,4'-DDE (p,p')	9.13		µg/kg wet	5.01	10.0		91	50-150		
4,4'-DDE (p,p') [2C]	8.27		µg/kg wet	5.01	10.0		83	50-150		
Endrin	9.09		µg/kg wet	5.01	10.0		91	50-120		
Endrin [2C]	8.34		µg/kg wet	5.01	10.0		83	50-120		
Endosulfan II	9.45		µg/kg wet	5.01	10.0		94	40-140		
Endosulfan II [2C]	8.55		µg/kg wet	5.01	10.0		85	40-140		
4,4'-DDD (p,p')	8.97		µg/kg wet	5.01	10.0		90	40-140		
4,4'-DDD (p,p') [2C]	8.18		µg/kg wet	5.01	10.0		82	40-140		
Endosulfan sulfate	9.70		µg/kg wet	5.01	10.0		97	50-120		
Endosulfan sulfate [2C]	8.37		µg/kg wet	5.01	10.0		84	50-120		
4,4'-DDT (p,p')	10.3		µg/kg wet	5.01	10.0		103	40-140		
4,4'-DDT (p,p') [2C]	8.13		µg/kg wet	5.01	10.0		81	40-140		
Methoxychlor	10.3		µg/kg wet	5.01	10.0		103	40-140		
Methoxychlor [2C]	8.85		µg/kg wet	5.01	10.0		88	40-140		
Endrin ketone	9.81		µg/kg wet	5.01	10.0		98	40-140		
Endrin ketone [2C]	8.44		µg/kg wet	5.01	10.0		84	40-140		
Endrin aldehyde	10.7		µg/kg wet	5.01	10.0		107	40-140		
Endrin aldehyde [2C]	7.62		µg/kg wet	5.01	10.0		76	40-140		
alpha-Chlordane	9.28		µg/kg wet	5.01	10.0		93	40-140		
alpha-Chlordane [2C]	8.32		µg/kg wet	5.01	10.0		83	40-140		
gamma-Chlordane	9.31		µg/kg wet	5.01	10.0		93	30-130		
gamma-Chlordane [2C]	8.62		µg/kg wet	5.01	10.0		86	30-130		
Alachlor	14.0		µg/kg wet	10.0	10.0		140	40-140		
Alachlor [2C]	8.26		µg/kg wet	10.0	10.0		83	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*8.40*		µg/kg wet		*10.0*		*84*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2	*8.45*		µg/kg wet		*10.0*		*84*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*5.71*		µg/kg wet		*10.0*		*57*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*4.19*		µg/kg wet		*10.0*		*42*	*30-150*		
LCS Dup (9020137-BSD1)										
Prepared & Analyzed: 03-Feb-09										
alpha-BHC	8.74		µg/kg wet	5.01	10.0		87	40-140	4	30
alpha-BHC [2C]	8.18		µg/kg wet	5.01	10.0		82	40-140	4	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 9020137 - SW846 3550B										
LCS Dup (9020137-BSD1)										
Prepared & Analyzed: 03-Feb-09										
beta-BHC	9.59		µg/kg wet	5.01	10.0		96	40-140	6	30
beta-BHC [2C]	10.8		µg/kg wet	5.01	10.0		108	40-140	1	30
delta-BHC	9.00		µg/kg wet	5.01	10.0		90	40-140	6	30
delta-BHC [2C]	7.90		µg/kg wet	5.01	10.0		79	40-140	4	30
gamma-BHC (Lindane)	10.0		µg/kg wet	5.01	10.0		100	50-120	5	30
gamma-BHC (Lindane) [2C]	8.14		µg/kg wet	5.01	10.0		81	50-120	5	30
Heptachlor	9.55		µg/kg wet	5.01	10.0		95	40-140	6	30
Heptachlor [2C]	8.79		µg/kg wet	5.01	10.0		88	40-140	4	30
Aldrin	9.39		µg/kg wet	5.01	10.0		94	40-140	7	30
Aldrin [2C]	8.24		µg/kg wet	5.01	10.0		82	40-140	4	30
Heptachlor epoxide	9.92		µg/kg wet	5.01	10.0		99	50-150	7	30
Heptachlor epoxide [2C]	8.61		µg/kg wet	5.01	10.0		86	50-150	3	30
Endosulfan I	9.98		µg/kg wet	5.01	10.0		100	40-140	10	30
Endosulfan I [2C]	8.75		µg/kg wet	5.01	10.0		88	40-140	4	30
Dieldrin	10.1		µg/kg wet	5.01	10.0		101	30-130	8	30
Dieldrin [2C]	8.67		µg/kg wet	5.01	10.0		87	30-130	3	30
4,4'-DDE (p,p')	9.95		µg/kg wet	5.01	10.0		99	50-150	9	30
4,4'-DDE (p,p') [2C]	8.61		µg/kg wet	5.01	10.0		86	50-150	4	30
Endrin	10.1		µg/kg wet	5.01	10.0		101	50-120	10	30
Endrin [2C]	8.75		µg/kg wet	5.01	10.0		87	50-120	5	30
Endosulfan II	10.2		µg/kg wet	5.01	10.0		102	40-140	8	30
Endosulfan II [2C]	9.04		µg/kg wet	5.01	10.0		90	40-140	6	30
4,4'-DDD (p,p')	9.79		µg/kg wet	5.01	10.0		98	40-140	9	30
4,4'-DDD (p,p') [2C]	8.56		µg/kg wet	5.01	10.0		86	40-140	4	30
Endosulfan sulfate	10.5		µg/kg wet	5.01	10.0		105	50-120	8	30
Endosulfan sulfate [2C]	8.84		µg/kg wet	5.01	10.0		88	50-120	6	30
4,4'-DDT (p,p')	11.4		µg/kg wet	5.01	10.0		114	40-140	10	30
4,4'-DDT (p,p') [2C]	8.79		µg/kg wet	5.01	10.0		88	40-140	8	30
Methoxychlor	11.2		µg/kg wet	5.01	10.0		112	40-140	8	30
Methoxychlor [2C]	9.49		µg/kg wet	5.01	10.0		95	40-140	7	30
Endrin ketone	10.7		µg/kg wet	5.01	10.0		107	40-140	9	30
Endrin ketone [2C]	9.02		µg/kg wet	5.01	10.0		90	40-140	7	30
Endrin aldehyde	11.5		µg/kg wet	5.01	10.0		115	40-140	7	30
Endrin aldehyde [2C]	8.02		µg/kg wet	5.01	10.0		80	40-140	5	30
alpha-Chlordane	10.1		µg/kg wet	5.01	10.0		101	40-140	9	30
alpha-Chlordane [2C]	8.63		µg/kg wet	5.01	10.0		86	40-140	4	30
gamma-Chlordane	10.1		µg/kg wet	5.01	10.0		101	30-130	8	30
gamma-Chlordane [2C]	9.00		µg/kg wet	5.01	10.0		90	30-130	4	30
Alachlor	14.0		µg/kg wet	10.0	10.0		140	40-140	0.2	30
Alachlor [2C]	8.63		µg/kg wet	10.0	10.0		86	40-140	4	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*8.77*		µg/kg wet		*10.0*		*88*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2	*8.61*		µg/kg wet		*10.0*		*86*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*6.25*		µg/kg wet		*10.0*		*62*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*4.44*		µg/kg wet		*10.0*		*44*	*30-150*		
Duplicate (9020137-DUP1) **Source: SA90481-05**										
Prepared & Analyzed: 03-Feb-09										
alpha-BHC	BRL		µg/kg dry	5.38		BRL				30
alpha-BHC [2C]	BRL		µg/kg dry	5.38		BRL				30
beta-BHC	BRL		µg/kg dry	5.38		BRL				30
beta-BHC [2C]	BRL		µg/kg dry	5.38		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 9020137 - SW846 3550B										
Duplicate (9020137-DUP1)	**Source: SA90481-05**									
Prepared & Analyzed: 03-Feb-09										
delta-BHC	BRL		µg/kg dry	5.38		BRL				30
delta-BHC [2C]	BRL		µg/kg dry	5.38		BRL				30
gamma-BHC (Lindane)	BRL		µg/kg dry	5.38		BRL				30
gamma-BHC (Lindane) [2C]	BRL		µg/kg dry	5.38		BRL				30
Heptachlor	BRL		µg/kg dry	5.38		BRL				30
Heptachlor [2C]	BRL		µg/kg dry	5.38		BRL				30
Aldrin	BRL		µg/kg dry	5.38		BRL				30
Aldrin [2C]	BRL		µg/kg dry	5.38		BRL				30
Heptachlor epoxide	BRL		µg/kg dry	5.38		BRL				30
Heptachlor epoxide [2C]	BRL		µg/kg dry	5.38		BRL				30
Endosulfan I	BRL		µg/kg dry	5.38		BRL				30
Endosulfan I [2C]	BRL		µg/kg dry	5.38		BRL				30
Dieldrin	BRL		µg/kg dry	5.38		BRL				30
Dieldrin [2C]	BRL		µg/kg dry	5.38		BRL				30
4,4'-DDE (p,p')	BRL		µg/kg dry	5.38		BRL				30
4,4'-DDE (p,p') [2C]	BRL		µg/kg dry	5.38		BRL				30
Endrin	BRL		µg/kg dry	5.38		BRL				30
Endrin [2C]	BRL		µg/kg dry	5.38		BRL				30
Endosulfan II	BRL		µg/kg dry	5.38		BRL				30
Endosulfan II [2C]	BRL		µg/kg dry	5.38		BRL				30
4,4'-DDD (p,p')	BRL		µg/kg dry	5.38		BRL				30
4,4'-DDD (p,p') [2C]	BRL		µg/kg dry	5.38		BRL				30
Endosulfan sulfate	BRL		µg/kg dry	5.38		BRL				30
Endosulfan sulfate [2C]	BRL		µg/kg dry	5.38		BRL				30
4,4'-DDT (p,p')	BRL		µg/kg dry	5.38		BRL				30
4,4'-DDT (p,p') [2C]	BRL		µg/kg dry	5.38		BRL				30
Methoxychlor	BRL		µg/kg dry	5.38		BRL				30
Methoxychlor [2C]	BRL		µg/kg dry	5.38		BRL				30
Endrin ketone	BRL		µg/kg dry	5.38		BRL				30
Endrin ketone [2C]	BRL		µg/kg dry	5.38		BRL				30
Endrin aldehyde	BRL		µg/kg dry	5.38		BRL				30
Endrin aldehyde [2C]	BRL		µg/kg dry	5.38		BRL				30
alpha-Chlordane	BRL		µg/kg dry	5.38		BRL				30
alpha-Chlordane [2C]	BRL		µg/kg dry	5.38		BRL				30
gamma-Chlordane	BRL		µg/kg dry	5.38		BRL				30
gamma-Chlordane [2C]	BRL		µg/kg dry	5.38		BRL				30
Toxaphene	BRL		µg/kg dry	26.9		BRL				30
Toxaphene [2C]	BRL		µg/kg dry	26.9		BRL				30
Chlordane	BRL		µg/kg dry	26.9		BRL				30
Chlordane [2C]	BRL		µg/kg dry	26.9		BRL				30
Alachlor	BRL		µg/kg dry	10.8		BRL				30
Alachlor [2C]	BRL		µg/kg dry	10.8		BRL				30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*7.93*		µg/kg dry		*10.7*		*74*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2	*8.40*		µg/kg dry		*10.7*		*78*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*6.42*		µg/kg dry		*10.7*		*60*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*6.10*		µg/kg dry		*10.7*		*57*	*30-150*		
Matrix Spike (9020137-MS1)	**Source: SA90481-05**									
Prepared & Analyzed: 03-Feb-09										
alpha-BHC	7.91		µg/kg dry	5.43	10.8	BRL	73	30-150		
alpha-BHC [2C]	6.21		µg/kg dry	5.43	10.8	BRL	57	30-150		

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9020137 - SW846 3550B										
Matrix Spike (9020137-MS1)	**Source: SA90481-05**									
Prepared & Analyzed: 03-Feb-09										
beta-BHC	9.25		µg/kg dry	5.43	10.8	BRL	85	30-150		
beta-BHC [2C]	7.87		µg/kg dry	5.43	10.8	BRL	73	30-150		
delta-BHC	8.64		µg/kg dry	5.43	10.8	BRL	80	30-150		
delta-BHC [2C]	6.44		µg/kg dry	5.43	10.8	BRL	59	30-150		
gamma-BHC (Lindane)	8.88		µg/kg dry	5.43	10.8	BRL	82	46-127		
gamma-BHC (Lindane) [2C]	6.83		µg/kg dry	5.43	10.8	BRL	63	46-127		
Heptachlor	8.67		µg/kg dry	5.43	10.8	BRL	80	35-130		
Heptachlor [2C]	7.40		µg/kg dry	5.43	10.8	BRL	68	35-130		
Aldrin	8.51		µg/kg dry	5.43	10.8	BRL	78	34-132		
Aldrin [2C]	6.49		µg/kg dry	5.43	10.8	BRL	60	34-132		
Heptachlor epoxide	9.24		µg/kg dry	5.43	10.8	BRL	85	30-150		
Heptachlor epoxide [2C]	7.14		µg/kg dry	5.43	10.8	BRL	66	30-150		
Endosulfan I	9.12		µg/kg dry	5.43	10.8	BRL	84	30-150		
Endosulfan I [2C]	7.30		µg/kg dry	5.43	10.8	BRL	67	30-150		
Dieldrin	9.35		µg/kg dry	5.43	10.8	BRL	86	31-134		
Dieldrin [2C]	7.18		µg/kg dry	5.43	10.8	BRL	66	31-134		
4,4'-DDE (p,p')	9.60		µg/kg dry	5.43	10.8	BRL	88	30-150		
4,4'-DDE (p,p') [2C]	7.00		µg/kg dry	5.43	10.8	BRL	65	30-150		
Endrin	9.39		µg/kg dry	5.43	10.8	BRL	87	42-139		
Endrin [2C]	7.38		µg/kg dry	5.43	10.8	BRL	68	42-139		
Endosulfan II	9.41		µg/kg dry	5.43	10.8	BRL	87	30-150		
Endosulfan II [2C]	7.60		µg/kg dry	5.43	10.8	BRL	70	30-150		
4,4'-DDD (p,p')	9.11		µg/kg dry	5.43	10.8	BRL	84	30-150		
4,4'-DDD (p,p') [2C]	7.70		µg/kg dry	5.43	10.8	BRL	71	30-150		
Endosulfan sulfate	10.2		µg/kg dry	5.43	10.8	BRL	94	30-150		
Endosulfan sulfate [2C]	7.03		µg/kg dry	5.43	10.8	BRL	65	30-150		
4,4'-DDT (p,p')	10.7		µg/kg dry	5.43	10.8	BRL	99	23-134		
4,4'-DDT (p,p') [2C]	8.17		µg/kg dry	5.43	10.8	BRL	75	23-134		
Methoxychlor	10.7		µg/kg dry	5.43	10.8	BRL	99	30-150		
Methoxychlor [2C]	7.67		µg/kg dry	5.43	10.8	BRL	71	30-150		
Endrin ketone	10.8		µg/kg dry	5.43	10.8	BRL	100	30-150		
Endrin ketone [2C]	9.04		µg/kg dry	5.43	10.8	BRL	83	30-150		
Endrin aldehyde	11.5		µg/kg dry	5.43	10.8	BRL	106	30-150		
Endrin aldehyde [2C]	6.81		µg/kg dry	5.43	10.8	BRL	63	30-150		
alpha-Chlordane	9.17		µg/kg dry	5.43	10.8	BRL	85	30-150		
alpha-Chlordane [2C]	7.16		µg/kg dry	5.43	10.8	BRL	66	30-150		
gamma-Chlordane	9.12		µg/kg dry	5.43	10.8	BRL	84	30-150		
gamma-Chlordane [2C]	8.82		µg/kg dry	5.43	10.8	BRL	81	30-150		
Alachlor	9.83		µg/kg dry	10.9	10.8	BRL	91	30-150		
Alachlor [2C]	7.92		µg/kg dry	10.9	10.8	BRL	73	30-150		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*14.1*		µg/kg dry		*10.8*		*130*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2:	*8.51*		µg/kg dry		*10.8*		*78*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*5.76*		µg/kg dry		*10.8*		*53*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*4.91*		µg/kg dry		*10.8*		*45*	*30-150*		
Matrix Spike Dup (9020137-MSD1)	**Source: SA90481-05**									
Prepared & Analyzed: 03-Feb-09										
alpha-BHC	8.83		µg/kg dry	5.28	10.6	BRL	84	30-150	14	30
alpha-BHC [2C]	8.47	QR2	µg/kg dry	5.28	10.6	BRL	80	30-150	33	30
beta-BHC	9.97		µg/kg dry	5.28	10.6	BRL	94	30-150	10	30
beta-BHC [2C]	10.8	QR2	µg/kg dry	5.28	10.6	BRL	102	30-150	34	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 9020137 - SW846 3550B										
Matrix Spike Dup (9020137-MSD1)	**Source: SA90481-05**									
Prepared & Analyzed: 03-Feb-09										
delta-BHC	9.31		µg/kg dry	5.28	10.6	BRL	88	30-150	10	30
delta-BHC [2C]	8.64	QR2	µg/kg dry	5.28	10.6	BRL	82	30-150	32	30
gamma-BHC (Lindane)	9.65		µg/kg dry	5.28	10.6	BRL	91	46-127	11	50
gamma-BHC (Lindane) [2C]	8.88		µg/kg dry	5.28	10.6	BRL	84	46-127	29	50
Heptachlor	9.57		µg/kg dry	5.28	10.6	BRL	91	35-130	13	31
Heptachlor [2C]	10.2	QR2	µg/kg dry	5.28	10.6	BRL	96	35-130	34	31
Aldrin	9.40		µg/kg dry	5.28	10.6	BRL	89	34-132	13	43
Aldrin [2C]	8.77		µg/kg dry	5.28	10.6	BRL	83	34-132	33	43
Heptachlor epoxide	10.1		µg/kg dry	5.28	10.6	BRL	95	30-150	11	30
Heptachlor epoxide [2C]	9.45	QR2	µg/kg dry	5.28	10.6	BRL	90	30-150	31	30
Endosulfan I	10.2		µg/kg dry	5.28	10.6	BRL	96	30-150	14	30
Endosulfan I [2C]	9.74	QR2	µg/kg dry	5.28	10.6	BRL	92	30-150	31	30
Dieldrin	10.3		µg/kg dry	5.28	10.6	BRL	98	31-134	13	38
Dieldrin [2C]	9.67		µg/kg dry	5.28	10.6	BRL	92	31-134	32	38
4,4'-DDE (p,p')	10.3		µg/kg dry	5.28	10.6	BRL	98	30-150	10	30
4,4'-DDE (p,p') [2C]	9.38	QR2	µg/kg dry	5.28	10.6	BRL	89	30-150	32	30
Endrin	10.1		µg/kg dry	5.28	10.6	BRL	96	42-139	10	45
Endrin [2C]	9.77		µg/kg dry	5.28	10.6	BRL	93	42-139	31	45
Endosulfan II	11.1		µg/kg dry	5.28	10.6	BRL	105	30-150	19	30
Endosulfan II [2C]	9.84		µg/kg dry	5.28	10.6	BRL	93	30-150	28	30
4,4'-DDD (p,p')	10.2		µg/kg dry	5.28	10.6	BRL	97	30-150	14	30
4,4'-DDD (p,p') [2C]	9.32		µg/kg dry	5.28	10.6	BRL	88	30-150	22	30
Endosulfan sulfate	13.7	QR2	µg/kg dry	5.28	10.6	BRL	130	30-150	32	30
Endosulfan sulfate [2C]	8.98		µg/kg dry	5.28	10.6	BRL	85	30-150	27	30
4,4'-DDT (p,p')	10.8		µg/kg dry	5.28	10.6	BRL	103	23-134	4	50
4,4'-DDT (p,p') [2C]	9.82		µg/kg dry	5.28	10.6	BRL	93	23-134	21	50
Methoxychlor	13.5		µg/kg dry	5.28	10.6	BRL	128	30-150	25	30
Methoxychlor [2C]	10.4	QR2	µg/kg dry	5.28	10.6	BRL	99	30-150	33	30
Endrin ketone	11.1		µg/kg dry	5.28	10.6	BRL	105	30-150	5	30
Endrin ketone [2C]	10.7		µg/kg dry	5.28	10.6	BRL	101	30-150	19	30
Endrin aldehyde	11.0		µg/kg dry	5.28	10.6	BRL	104	30-150	2	30
Endrin aldehyde [2C]	9.28	QR2	µg/kg dry	5.28	10.6	BRL	88	30-150	33	30
alpha-Chlordane	10.2		µg/kg dry	5.28	10.6	BRL	97	30-150	14	30
alpha-Chlordane [2C]	9.67	QR2	µg/kg dry	5.28	10.6	BRL	92	30-150	32	30
gamma-Chlordane	9.97		µg/kg dry	5.28	10.6	BRL	94	30-150	12	30
gamma-Chlordane [2C]	11.0		µg/kg dry	5.28	10.6	BRL	104	30-150	24	30
Alachlor	10.8		µg/kg dry	10.6	10.6	BRL	102	30-150	12	50
Alachlor [2C]	9.38		µg/kg dry	10.6	10.6	BRL	89	30-150	20	50
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*12.8*		µg/kg dry		*10.6*		*121*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [:	*8.44*		µg/kg dry		*10.6*		*80*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*6.38*		µg/kg dry		*10.6*		*60*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*6.18*		µg/kg dry		*10.6*		*59*	*30-150*		
Batch 9020140 - SW846 3550B										
Blank (9020140-BLK1)										
Prepared: 03-Feb-09 Analyzed: 04-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						

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9020140 - SW846 3550B										
Blank (9020140-BLK1)										
Prepared: 03-Feb-09 Analyzed: 04-Feb-09										
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)	*18.1*		µg/kg wet		*20.0*		*90*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*11.4*		µg/kg wet		*20.0*		*57*	*30-150*		
LCS (9020140-BS1)										
Prepared: 03-Feb-09 Analyzed: 04-Feb-09										
PCB 1016	205		µg/kg wet	20.0	250		82	40-140		
PCB 1260	209		µg/kg wet	20.0	250		84	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*17.2*		µg/kg wet		*20.0*		*86*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*11.1*		µg/kg wet		*20.0*		*56*	*30-150*		
LCS Dup (9020140-BSD1)										
Prepared: 03-Feb-09 Analyzed: 04-Feb-09										
PCB 1016	200		µg/kg wet	20.0	250		80	40-140	2	30
PCB 1260	208		µg/kg wet	20.0	250		83	40-140	0.3	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*17.1*		µg/kg wet		*20.0*		*86*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*11.2*		µg/kg wet		*20.0*		*56*	*30-150*		
Duplicate (9020140-DUP1) **Source: SA90481-05**										
Prepared: 03-Feb-09 Analyzed: 04-Feb-09										
PCB 1016	BRL		µg/kg dry	10.8		BRL				40
PCB 1221	BRL		µg/kg dry	10.8		BRL				40
PCB 1232	BRL		µg/kg dry	10.8		BRL				40
PCB 1242	BRL		µg/kg dry	10.8		BRL				40
PCB 1248	BRL		µg/kg dry	10.8		BRL				40
PCB 1254	BRL		µg/kg dry	10.8		BRL				40
PCB 1260	BRL		µg/kg dry	10.8		BRL				40
PCB 1262	BRL		µg/kg dry	10.8		BRL				40
PCB 1268	BRL		µg/kg dry	10.8		BRL				40
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*6.23*		µg/kg dry		*10.7*		*58*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*4.78*		µg/kg dry		*10.7*		*45*	*30-150*		
Matrix Spike (9020140-MS1) **Source: SA90481-05**										
Prepared: 03-Feb-09 Analyzed: 04-Feb-09										
PCB 1016	89.2		µg/kg dry	10.9	136	BRL	66	40-140		
PCB 1260	92.9		µg/kg dry	10.9	136	BRL	69	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*7.27*		µg/kg dry		*10.8*		*67*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*4.99*		µg/kg dry		*10.8*		*46*	*30-150*		
Matrix Spike Dup (9020140-MSD1) **Source: SA90481-05**										
Prepared: 03-Feb-09 Analyzed: 04-Feb-09										
PCB 1016	87.6		µg/kg dry	10.8	135	BRL	65	40-140	2	50
PCB 1260	99.7		µg/kg dry	10.8	135	BRL	74	40-140	7	50
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*7.09*		µg/kg dry		*10.8*		*65*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*5.19*		µg/kg dry		*10.8*		*48*	*30-150*		
Batch 9020246 - SW846 3550B										
Blank (9020246-BLK1)										
Prepared & Analyzed: 04-Feb-09										
2,4,5-T	BRL		µg/kg wet	6.70						

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9020246 - SW846 3550B										
Blank (9020246-BLK1)										
Prepared & Analyzed: 04-Feb-09										
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)	*9.93*		µg/kg wet		*13.3*		*75*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [	*9.20*		µg/kg wet		*13.3*		*69*	*30-150*		
LCS (9020246-BS1)										
Prepared & Analyzed: 04-Feb-09										
2,4,5-T	26.6		µg/kg wet	6.70	33.3		80	40-140		
2,4,5-T [2C]	27.2		µg/kg wet	6.70	33.3		82	40-140		
2,4,5-TP (Silvex)	26.7		µg/kg wet	6.70	33.3		80	40-140		
2,4,5-TP (Silvex) [2C]	28.7		µg/kg wet	6.70	33.3		86	40-140		
2,4-D	24.7		µg/kg wet	6.70	33.3		74	40-140		
2,4-D [2C]	25.7		µg/kg wet	6.70	33.3		77	40-140		
2,4-DB	26.1		µg/kg wet	6.70	33.3		78	40-140		
2,4-DB [2C]	25.1		µg/kg wet	6.70	33.3		75	40-140		
Dalapon	16.9		µg/kg wet	6.70	33.3		51	40-140		
Dalapon [2C]	18.5		µg/kg wet	6.70	33.3		55	40-140		
Dicamba	24.5		µg/kg wet	6.70	33.3		74	40-140		
Dicamba [2C]	26.5		µg/kg wet	6.70	33.3		79	40-140		
Dichlorprop	29.4		µg/kg wet	6.70	33.3		88	40-140		
Dichlorprop [2C]	28.7		µg/kg wet	6.70	33.3		86	40-140		
Dinoseb	27.8		µg/kg wet	6.70	33.3		83	40-140		
Dinoseb [2C]	30.4		µg/kg wet	6.70	33.3		91	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*9.60*		µg/kg wet		*13.3*		*72*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [	*10.1*		µg/kg wet		*13.3*		*76*	*30-150*		
LCS (9020246-BS2)										
Prepared & Analyzed: 04-Feb-09										
MCPA	12200		µg/kg wet	670	10000		122	40-140		
MCPA [2C]	12500		µg/kg wet	670	10000		125	40-140		
MCPB	11900		µg/kg wet	670	10000		119	40-140		
MCPB [2C]	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 9020246 - SW846 3550B										
LCS (9020246-BS2)										
Prepared & Analyzed: 04-Feb-09										
MCPP	12300		µg/kg wet	670	10000		123	40-140		
MCPP [2C]	12700		µg/kg wet	670	10000		127	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*9.87*		µg/kg wet		*13.3*		*74*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [:	*9.80*		µg/kg wet		*13.3*		*74*	*30-150*		
LCS Dup (9020246-BSD1)										
Prepared: 04-Feb-09 Analyzed: 05-Feb-09										
2,4,5-T	26.9		µg/kg wet	6.70	33.3		81	40-140	1	25
2,4,5-T [2C]	26.1		µg/kg wet	6.70	33.3		78	40-140	4	25
2,4,5-TP (Silvex)	27.5		µg/kg wet	6.70	33.3		83	40-140	3	25
2,4,5-TP (Silvex) [2C]	27.3		µg/kg wet	6.70	33.3		82	40-140	5	25
2,4-D	24.4		µg/kg wet	6.70	33.3		73	40-140	1	25
2,4-D [2C]	23.7		µg/kg wet	6.70	33.3		71	40-140	8	25
2,4-DB	27.1		µg/kg wet	6.70	33.3		81	40-140	4	25
2,4-DB [2C]	28.4		µg/kg wet	6.70	33.3		85	40-140	12	25
Dalapon	22.8	QR2	µg/kg wet	6.70	33.3		68	40-140	30	25
Dalapon [2C]	19.9		µg/kg wet	6.70	33.3		60	40-140	8	25
Dicamba	25.4		µg/kg wet	6.70	33.3		76	40-140	3	25
Dicamba [2C]	24.5		µg/kg wet	6.70	33.3		74	40-140	8	25
Dichlorprop	29.1		µg/kg wet	6.70	33.3		87	40-140	0.9	25
Dichlorprop [2C]	27.0		µg/kg wet	6.70	33.3		81	40-140	6	25
Dinoseb	28.6		µg/kg wet	6.70	33.3		86	40-140	3	25
Dinoseb [2C]	28.8		µg/kg wet	6.70	33.3		86	40-140	5	25
MCPA	BRL		µg/kg wet	670				40-140		25
MCPA [2C]	BRL		µg/kg wet	670				40-140		25
MCPB	BRL		µg/kg wet	670				40-140		25
MCPB [2C]	BRL		µg/kg wet	670				40-140		25
MCPP	BRL		µg/kg wet	670				40-140		25
MCPP [2C]	BRL		µg/kg wet	670				40-140		25
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*9.73*		µg/kg wet		*13.3*		*73*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [:	*9.60*		µg/kg wet		*13.3*		*72*	*30-150*		
LCS Dup (9020246-BSD2)										
Prepared & Analyzed: 04-Feb-09										
MCPA	12700		µg/kg wet	670	10000		127	40-140	4	25
MCPA [2C]	12900		µg/kg wet	670	10000		129	40-140	4	25
MCPB	12400		µg/kg wet	670	10000		124	40-140	4	25
MCPB [2C]	12400		µg/kg wet	670	10000		124	40-140	10	25
MCPP	12600		µg/kg wet	670	10000		126	40-140	2	25
MCPP [2C]	13300		µg/kg wet	670	10000		133	40-140	4	25
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*10.2*		µg/kg wet		*13.3*		*77*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [:	*9.87*		µg/kg wet		*13.3*		*74*	*30-150*		
Duplicate (9020246-DUP1) **Source: SA90481-05**										
Prepared: 04-Feb-09 Analyzed: 05-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

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9020246 - SW846 3550B										
Duplicate (9020246-DUP1) **Source: SA90481-05**										
Prepared: 04-Feb-09 Analyzed: 05-Feb-09										
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)	*12.3*		µg/kg dry		*14.3*		*85*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [	*12.6*		µg/kg dry		*14.3*		*87*	*30-150*		

Extractable Petroleum Hydrocarbons - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9020217 - SW846 3550B										
Blank (9020217-BLK1)										
Prepared: 03-Feb-09 Analyzed: 04-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	*2.76*		mg/kg wet		*3.33*		*83*	*50-150*		
LCS (9020217-BS1)										
Prepared: 03-Feb-09 Analyzed: 04-Feb-09										
C9-C36 Aliphatic Hydrocarbons	66.8		mg/kg wet	13.3	93.3		72	60-120		
Surrogate: 1-Chlorooctadecane	*2.29*		mg/kg wet		*3.33*		*69*	*50-150*		
Duplicate (9020217-DUP1) **Source: SA90481-02**										
Prepared: 03-Feb-09 Analyzed: 04-Feb-09										
Gasoline	BRL		mg/kg dry	17.6		BRL				50
Fuel Oil #2	BRL		mg/kg dry	17.6		BRL				50
Fuel Oil #4	BRL		mg/kg dry	17.6		BRL				50
Fuel Oil #6	BRL		mg/kg dry	17.6		BRL				50
Motor Oil	BRL		mg/kg dry	17.6		BRL				50
Aviation Fuel	BRL		mg/kg dry	17.6		BRL				50
Unidentified	BRL		mg/kg dry	17.6		BRL				50
Other Oil	BRL		mg/kg dry	17.6		BRL				50
Total Petroleum Hydrocarbons	BRL		mg/kg dry	17.6		BRL				50
C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	17.6		BRL				50
Surrogate: 1-Chlorooctadecane	*1.75*		mg/kg dry		*2.20*		*79*	*50-150*		
Matrix Spike (9020217-MS1) **Source: SA90481-02**										
Prepared: 03-Feb-09 Analyzed: 04-Feb-09										
C9-C36 Aliphatic Hydrocarbons	92.4		mg/kg dry	17.7	124	BRL	74	50-150		
Surrogate: 1-Chlorooctadecane	*3.05*		mg/kg dry		*4.44*		*69*	*50-150*		
Matrix Spike Dup (9020217-MSD1) **Source: SA90481-02**										
Prepared: 03-Feb-09 Analyzed: 04-Feb-09										
C9-C36 Aliphatic Hydrocarbons	83.6		mg/kg dry	17.5	123	BRL	68	50-150	9	30
Surrogate: 1-Chlorooctadecane	*2.86*		mg/kg dry		*4.38*		*65*	*50-150*		

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

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9020044 - SW846 3050B										
Blank (9020044-BLK1)										
Prepared: 02-Feb-09 Analyzed: 03-Feb-09										
Selenium	BRL		mg/kg wet	1.47						
Lead	BRL		mg/kg wet	1.47						
Arsenic	BRL		mg/kg wet	1.47						
Chromium	BRL		mg/kg wet	0.978						
Silver	BRL		mg/kg wet	1.47						
Cadmium	BRL		mg/kg wet	0.489						
Barium	BRL		mg/kg wet	0.978						
Duplicate (9020044-DUP1) **Source: SA90481-01**										
Prepared: 02-Feb-09 Analyzed: 03-Feb-09										
Selenium	0.679	J	mg/kg dry	1.76		0.641			6	20
Lead	177		mg/kg dry	1.76		182			3	20
Arsenic	8.25		mg/kg dry	1.76		7.48			10	20
Silver	BRL		mg/kg dry	1.76		BRL				20
Cadmium	0.796		mg/kg dry	0.585		0.774			3	20
Chromium	8.17		mg/kg dry	1.17		7.99			2	20
Barium	105		mg/kg dry	1.17		94.7			11	20
Matrix Spike (9020044-MS1) **Source: SA90481-02**										
Prepared: 02-Feb-09 Analyzed: 03-Feb-09										
Lead	272		mg/kg dry	1.71	142	151	85	75-125		
Selenium	144		mg/kg dry	1.71	142	BRL	101	75-125		
Arsenic	147		mg/kg dry	1.71	142	4.44	101	75-125		
Chromium	153		mg/kg dry	1.14	142	8.05	102	75-125		
Silver	144		mg/kg dry	1.71	142	BRL	101	75-125		
Cadmium	138		mg/kg dry	0.569	142	0.585	97	75-125		
Barium	217		mg/kg dry	1.14	142	63.2	108	75-125		
Matrix Spike Dup (9020044-MSD1) **Source: SA90481-02**										
Prepared: 02-Feb-09 Analyzed: 03-Feb-09										
Lead	370	QM8, QR7	mg/kg dry	1.86	155	151	141	75-125	30	20
Selenium	156		mg/kg dry	1.86	155	BRL	101	75-125	8	20
Arsenic	160		mg/kg dry	1.86	155	4.44	101	75-125	8	20
Cadmium	151		mg/kg dry	0.619	155	0.585	97	75-125	8	20
Silver	156		mg/kg dry	1.86	155	BRL	101	75-125	8	20
Chromium	180		mg/kg dry	1.24	155	8.05	111	75-125	16	20
Barium	249		mg/kg dry	1.24	155	63.2	120	75-125	14	20
Post Spike (9020044-PS1) **Source: SA90481-02**										
Prepared: 02-Feb-09 Analyzed: 03-Feb-09										
Lead	280		mg/kg dry	1.81	151	151	85	80-120		
Selenium	155		mg/kg dry	1.81	151	BRL	103	80-120		
Cadmium	150		mg/kg dry	0.603	151	0.585	99	80-120		
Silver	154		mg/kg dry	1.81	151	BRL	102	80-120		
Arsenic	157		mg/kg dry	1.81	151	4.44	101	80-120		
Chromium	158		mg/kg dry	1.21	151	8.05	100	80-120		
Barium	208		mg/kg dry	1.21	151	63.2	96	80-120		
Reference (9020044-SRM1)										
Prepared: 02-Feb-09 Analyzed: 03-Feb-09										
Selenium	99.5		mg/kg wet	1.50	99.3		100	76.8-123.2		
Lead	33.1		mg/kg wet	1.50	36.6		91	77.5-122.4		

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 9020044 - SW846 3050B										
Reference (9020044-SRM1)										
Prepared: 02-Feb-09 Analyzed: 03-Feb-09										
Cadmium	63.9		mg/kg wet	0.500	70.7		90	80.9-119.9		
Silver	23.8		mg/kg wet	1.50	23.5		101	66.3-133.7		
Chromium	37.8		mg/kg wet	1.00	38.3		99	80.6-119.3		
Arsenic	78.0		mg/kg wet	1.50	78.2		100	79.5-120.5		
Barium	187		mg/kg wet	1.00	182		103	82.6-117.1		
Reference (9020044-SRM2)										
Prepared: 02-Feb-09 Analyzed: 03-Feb-09										
Selenium	104		mg/kg wet	1.50	101		104	76.8-123.2		
Lead	35.0		mg/kg wet	1.50	37.1		94	77.5-122.4		
Chromium	40.0		mg/kg wet	1.00	38.9		103	80.6-119.3		
Silver	25.1		mg/kg wet	1.50	23.9		105	66.3-133.7		
Arsenic	81.8		mg/kg wet	1.50	79.5		103	79.5-120.5		
Cadmium	68.9		mg/kg wet	0.500	71.8		96	80.9-119.9		
Barium	202		mg/kg wet	1.00	184		110	82.6-117.1		
Batch 9020045 - EPA200/SW7000 Series										
Blank (9020045-BLK1)										
Prepared: 02-Feb-09 Analyzed: 03-Feb-09										
Mercury	BRL		mg/kg wet	0.0297						
Duplicate (9020045-DUP1) **Source: SA90481-01**										
Prepared: 02-Feb-09 Analyzed: 03-Feb-09										
Mercury	0.511	QR6	mg/kg dry	0.0376		0.177			97	20
Matrix Spike (9020045-MS1) **Source: SA90481-02**										
Prepared: 02-Feb-09 Analyzed: 03-Feb-09										
Mercury	2.32	QM9	mg/kg dry	0.0356	0.494	1.45	177	75-125		
Matrix Spike Dup (9020045-MSD1) **Source: SA90481-02**										
Prepared: 02-Feb-09 Analyzed: 03-Feb-09										
Mercury	2.63	QM9	mg/kg dry	0.0396	0.551	1.45	214	75-125	12	20
Reference (9020045-SRM1)										
Prepared: 02-Feb-09 Analyzed: 03-Feb-09										
Mercury	3.41		mg/kg wet	0.0300	3.08		110	66-135		
Batch 9020294 - SW846 3050B										
Blank (9020294-BLK1)										
Prepared: 04-Feb-09 Analyzed: 05-Feb-09										
Selenium	BRL		mg/kg wet	1.29						
Lead	BRL		mg/kg wet	1.29						
Arsenic	BRL		mg/kg wet	1.29						
Silver	BRL		mg/kg wet	1.29						
Chromium	BRL		mg/kg wet	0.861						
Cadmium	BRL		mg/kg wet	0.430						
Barium	BRL		mg/kg wet	0.861						
Duplicate (9020294-DUP1) **Source: SA90481-03**										
Prepared: 04-Feb-09 Analyzed: 05-Feb-09										
Selenium	BRL		mg/kg dry	1.50		BRL				20
Lead	113	QR9	mg/kg dry	1.50		49.8			78	20
Silver	BRL		mg/kg dry	1.50		BRL				20

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 9020294 - SW846 3050B										
Duplicate (9020294-DUP1)	**Source: SA90481-03**									
Prepared: 04-Feb-09 Analyzed: 05-Feb-09										
Cadmium	0.703		mg/kg dry	0.499		0.678			4	20
Arsenic	5.02	QR6	mg/kg dry	1.50		2.08			83	20
Chromium	13.3		mg/kg dry	0.998		11.8			11	20
Barium	54.1		mg/kg dry	0.998		51.5			5	20
Matrix Spike (9020294-MS1)	**Source: SA90481-03**									
Prepared: 04-Feb-09 Analyzed: 05-Feb-09										
Selenium	109		mg/kg dry	1.59	133	BRL	82	75-125		
Lead	585	QM8	mg/kg dry	1.59	133	49.8	404	75-125		
Silver	120		mg/kg dry	1.59	133	BRL	91	75-125		
Arsenic	118		mg/kg dry	1.59	133	2.08	88	75-125		
Chromium	136		mg/kg dry	1.06	133	11.8	94	75-125		
Cadmium	119		mg/kg dry	0.530	133	0.678	89	75-125		
Barium	176		mg/kg dry	1.06	133	51.5	94	75-125		
Matrix Spike Dup (9020294-MSD1)	**Source: SA90481-03**									
Prepared: 04-Feb-09 Analyzed: 05-Feb-09										
Lead	164	QR9	mg/kg dry	1.50	125	49.8	91	75-125	112	20
Selenium	107		mg/kg dry	1.50	125	BRL	85	75-125	2	20
Silver	117		mg/kg dry	1.50	125	BRL	93	75-125	3	20
Cadmium	117		mg/kg dry	0.500	125	0.678	93	75-125	2	20
Arsenic	115		mg/kg dry	1.50	125	2.08	90	75-125	3	20
Chromium	131		mg/kg dry	1.00	125	11.8	95	75-125	4	20
Barium	163		mg/kg dry	1.00	125	51.5	89	75-125	8	20
Post Spike (9020294-PS1)	**Source: SA90481-03**									
Prepared: 04-Feb-09 Analyzed: 05-Feb-09										
Lead	188		mg/kg dry	1.62	135	49.8	102	80-120		
Selenium	120		mg/kg dry	1.62	135	BRL	89	80-120		
Arsenic	125		mg/kg dry	1.62	135	2.08	91	80-120		
Silver	127		mg/kg dry	1.62	135	BRL	94	80-120		
Chromium	136		mg/kg dry	1.08	135	11.8	92	80-120		
Cadmium	125		mg/kg dry	0.540	135	0.678	92	80-120		
Barium	170		mg/kg dry	1.08	135	51.5	88	80-120		
Reference (9020294-SRM1)										
Prepared: 04-Feb-09 Analyzed: 05-Feb-09										
Selenium	97.8		mg/kg wet	1.50	101		97	76.8-123.2		
Lead	34.7		mg/kg wet	1.50	37.1		93	77.5-122.4		
Silver	24.4		mg/kg wet	1.50	23.8		102	66.3-133.7		
Chromium	37.6		mg/kg wet	1.00	38.8		97	80.6-119.3		
Cadmium	73.1		mg/kg wet	0.500	71.7		102	80.9-119.9		
Arsenic	76.6		mg/kg wet	1.50	79.3		97	79.5-120.5		
Barium	171		mg/kg wet	1.00	184		93	82.6-117.1		
Reference (9020294-SRM2)										
Prepared: 04-Feb-09 Analyzed: 05-Feb-09										
Selenium	92.5		mg/kg wet	1.50	101		92	76.8-123.2		
Lead	33.2		mg/kg wet	1.50	37.1		89	77.5-122.4		
Chromium	35.4		mg/kg wet	1.00	38.9		91	80.6-119.3		
Silver	21.9		mg/kg wet	1.50	23.9		92	66.3-133.7		
Cadmium	65.2		mg/kg wet	0.500	71.8		91	80.9-119.9		

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 9020294 - SW846 3050B										
Reference (9020294-SRM2)										
Prepared: 04-Feb-09 Analyzed: 05-Feb-09										
Arsenic	73.4		mg/kg wet	1.50	79.5		92	79.5-120.5		
Barium	164		mg/kg wet	1.00	184		89	82.6-117.1		

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 9020765 - SW846 3010A										
Blank (9020765-BLK1)										
Prepared & Analyzed: 11-Feb-09										
Lead	BRL		mg/l	0.0150						
LCS (9020765-BS1)										
Prepared: 11-Feb-09 Analyzed: 12-Feb-09										
Lead	2.14		mg/l	0.0150	2.50		86	85-115		
LCS Dup (9020765-BSD1)										
Prepared: 11-Feb-09 Analyzed: 12-Feb-09										
Lead	2.16		mg/l	0.0150	2.50		86	85-115	1	20
Duplicate (9020765-DUP1) **Source: SA90481-02**										
Prepared & Analyzed: 11-Feb-09										
Lead	0.0225		mg/l	0.0150		0.0211			6	20
Matrix Spike (9020765-MS1) **Source: SA90830-01**										
Prepared: 11-Feb-09 Analyzed: 12-Feb-09										
Lead	3.42		mg/l	0.0150	2.50	1.39	81	75-125		
Matrix Spike Dup (9020765-MSD1) **Source: SA90830-01**										
Prepared: 11-Feb-09 Analyzed: 12-Feb-09										
Lead	3.48		mg/l	0.0150	2.50	1.39	83	75-125	2	20
Post Spike (9020765-PS1) **Source: SA90830-01**										
Prepared: 11-Feb-09 Analyzed: 12-Feb-09										
Lead	3.54		mg/l	0.0150	2.50	1.39	86	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 9020768 - SW846 3010A										
Blank (9020768-BLK1)										
Prepared: 11-Feb-09 Analyzed: 12-Feb-09										
Lead	BRL		mg/l	0.0150						
Arsenic	BRL		mg/l	0.0080						
Barium	BRL		mg/l	0.0100						
LCS (9020768-BS1)										
Prepared: 11-Feb-09 Analyzed: 12-Feb-09										
Lead	2.46		mg/l	0.0150	2.50		98	85-115		
Arsenic	2.47		mg/l	0.0080	2.50		99	85-115		
Barium	2.54		mg/l	0.0100	2.50		102	85-115		
LCS Dup (9020768-BSD1)										
Prepared: 11-Feb-09 Analyzed: 12-Feb-09										
Lead	2.45		mg/l	0.0150	2.50		98	85-115	0.5	20
Arsenic	2.44		mg/l	0.0080	2.50		98	85-115	1	20
Barium	2.52		mg/l	0.0100	2.50		101	85-115	0.6	20
Duplicate (9020768-DUP1) **Source: SA90481-04**										
Prepared: 11-Feb-09 Analyzed: 12-Feb-09										
Lead	0.0094	J	mg/l	0.0150		0.0098			4	20
Arsenic	BRL		mg/l	0.0080		BRL				20
Barium	0.0241		mg/l	0.0100		0.0219			10	20
Matrix Spike (9020768-MS1) **Source: SA90545-04**										
Prepared: 11-Feb-09 Analyzed: 12-Feb-09										
Lead	2.46		mg/l	0.0150	2.50	0.0104	98	75-125		
Arsenic	2.46		mg/l	0.0080	2.50	BRL	98	75-125		
Barium	2.57		mg/l	0.0100	2.50	0.0244	102	75-125		
Matrix Spike Dup (9020768-MSD1) **Source: SA90545-04**										
Prepared: 11-Feb-09 Analyzed: 12-Feb-09										
Lead	2.50		mg/l	0.0150	2.50	0.0104	100	75-125	1	20
Arsenic	2.51		mg/l	0.0080	2.50	BRL	100	75-125	2	20
Barium	2.61		mg/l	0.0100	2.50	0.0244	104	75-125	2	20
Post Spike (9020768-PS1) **Source: SA90545-04**										
Prepared: 11-Feb-09 Analyzed: 12-Feb-09										
Lead	2.51		mg/l	0.0150	2.50	0.0104	100	75-125		
Arsenic	2.52		mg/l	0.0080	2.50	BRL	101	75-125		
Barium	2.62		mg/l	0.0100	2.50	0.0244	104	75-125		
Batch 9020769 - EPA200/SW7000 Series										
Blank (9020769-BLK1)										
Prepared: 11-Feb-09 Analyzed: 12-Feb-09										
Mercury	BRL		mg/l	0.00020						
LCS (9020769-BS1)										
Prepared: 11-Feb-09 Analyzed: 12-Feb-09										
Mercury	0.00405		mg/l	0.00020	0.00500		81	56.1-122		
Duplicate (9020769-DUP1) **Source: SA90481-04**										
Prepared: 11-Feb-09 Analyzed: 12-Feb-09										
Mercury	BRL		mg/l	0.00020		BRL				20
Matrix Spike (9020769-MS1) **Source: SA90481-04**										
Prepared: 11-Feb-09 Analyzed: 12-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 9020769 - EPA200/SW7000 Series										
Matrix Spike (9020769-MS1)	**Source: SA90481-04**									
Prepared: 11-Feb-09 Analyzed: 12-Feb-09										
Mercury	0.00425		mg/l	0.00020	0.00500	BRL	85	59.8-119		
Matrix Spike Dup (9020769-MSD1)	**Source: SA90481-04**									
Prepared: 11-Feb-09 Analyzed: 12-Feb-09										
Mercury	0.00420		mg/l	0.00020	0.00500	BRL	84	59.8-119	1	20
Post Spike (9020769-PS1)	**Source: SA90481-04**									
Prepared: 11-Feb-09 Analyzed: 12-Feb-09										
Mercury	0.00422		mg/l	0.00020	0.00500	BRL	84	72.4-113		

General Chemistry Parameters - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9020077 - General Preparation										
Duplicate (9020077-DUP1)	**Source: SA90414-34**									
Prepared & Analyzed: 02-Feb-09										
% Solids	70.7		%			74.0			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).
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.
QM7	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QM8	The spike recovery exceeded the QC control limits for the MS and/or MSD. The batch was accepted based upon acceptable PS and /or LCS recovery
QM9	The spike recovery for this QC sample is outside the established control limits. The sample results for the QC batch were accepted based on LCS 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.
QR7	The RPD exceeded the QC control limits; however precision is demonstrated with acceptable RPD values for batch duplicate.
QR9	RPD out of acceptance range. The batch is accepted based upon LCS and/or LCSD recovery.
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

SA90481 OK

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 # 44236

P.O. No.: _____ RQN: _____

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

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

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

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analyses: VOC 8260	SVOC 8270	CT ETPH	PCB 8082	Pesticides/Herbicides 8151	Total RCRA 8 Metals
SA90481-01	RSB-C6	1/29/09	1330	G	SO	7	3	2			X	X	X	X	X	X
02	RSB-C7		1145													
03	RSB-C8		1045													
04	RSB-C9		1000													
05	RSB-C10		900													

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

☐ Fax results when available to (____) _____
☒ E-mail to patrick.depaula@tetratech.com
EDD Format _____
Condition upon receipt: ☐ Iced ☐ Ambient ☐ °C 3.8

Relinquished by:	Received by:	Date:	Time:
Patrick dePaula		1-30-09	1000
	Michael Beckett	1-30-09	1617

-10°

SA90481 UK

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 # 44236

P.O. No.: _____ RQN: _____

Project No.: 127-17797-08011
Site Name: Hartford Busway
Location: Newington 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

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	SPLP Chrysene	Analyses: VOC 8260	SVOC 8270	CT ETPH	PCB 8082	Pesticides/Herbicides 8151	Total RCRA 8 Metals	SPLP Pb, Mg, Pb, Cd	TCLP Pb	QA Reporting Notes (check if needed)
01	RSB-C6	1/29/09	1330	G	So	7	3	2				X	X	X	X	X	X		X	
02	RSB-C7	↓	1145	↓	↓	↓	↓	↓				↓	↓	↓	↓	↓	↓		X	added Pesticide request 2/10
03	RSB-C8		1045								X									
04	RSB-C9		1000															X	X	
05	RSB-C10		900																	

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

Condition upon receipt: ☐ Iced ☐ Ambient ☐ °C 3B

Relinquished by:	Received by:	Date:	Time:
Patrick dePaula	[signature]	1-30-09	1000
[signature]	[signature]	1-30-09	1617

-10°

Report Date:
17-Feb-09 17:21

☑ 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 - Newington, CT
Project 127-17797-08011

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SA90388-01	RSB-C11	Soil	27-Jan-09 13:30	28-Jan-09 13:05
SA90388-02	RSB-C12	Soil	27-Jan-09 11:00	28-Jan-09 13:05
SA90388-03	RSB-C13	Soil	27-Jan-09 09:30	28-Jan-09 13:05
SA90388-04	RSB-C14	Soil	27-Jan-09 08:30	28-Jan-09 13:05

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).

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 3.0 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

Duplicates:

9011923-DUP1 *Source: SA90388-01*

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

Arsenic
Barium

SW846 7471A

Duplicates:

9011924-DUP1 *Source: SA90388-01*

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

Mercury

SW846 8260B

SW846 8260B

Laboratory Control Samples:

9012026-BS1

Analyte out of acceptance range.

2-Hexanone (MBK)

9012026-BSD1

Analyte out of acceptance range.

Chloromethane

9020086-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

9020086-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

Analyte out of acceptance range.

cis-1,3-Dichloropropene
trans-1,4-Dichloro-2-butene

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

1,4-Dioxane

Samples:

SA90388-04 *RSB-C14*

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:

9020005-BS1

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

3,3´-Dichlorobenzidine
4-Chloroaniline
Aniline

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C11	127-17797-08011	Soil	27-Jan-09 13:30	28-Jan-09
SA90388-01				

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	29-Jan-09	29-Jan-09	9011910	
Volatile Organic Compounds						Initial weight: 5.46 g					
Prepared by method SW846 5035A Soil (low level)											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	7.4	1	SW846 8260B	30-Jan-09	30-Jan-09	9012026	X
67-64-1	Acetone	BRL		µg/kg dry	74.1	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	7.4	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	7.4	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	7.4	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	7.4	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	14.8	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	74.1	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	37.1	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	7.4	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	14.8	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	7.4	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	14.8	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	14.8	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	7.4	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	7.4	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	7.4	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	14.8	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	7.4	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	7.4	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	7.4	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	7.4	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	7.4	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	74.1	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	7.4	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	74.1	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	74.1	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	7.4	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C11	127-17797-08011	Soil	27-Jan-09 13:30	28-Jan-09
SA90388-01				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
Volatile Organic Compounds						Initial weight: 5.46 g					
Prepared by method SW846 5035A Soil (low level)											
103-65-1	n-Propylbenzene	BRL		µg/kg dry	7.4	1	SW846 8260B	30-Jan-09	30-Jan-09	9012026	X
100-42-5	Styrene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	7.4	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	7.4	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	7.4	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	7.4	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	7.4	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	7.4	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	7.4	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	7.4	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	7.4	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	14.8	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	74.1	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	7.4	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	7.4	1	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	7.4	1	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	7.4	1	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	74.1	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	148	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	37.1	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	2970	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*79*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*90*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*120*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*102*		*70-130 %*			"	"	"	"	
Semivolatile Organic Compounds by GCMS											
	SPLP Extraction	Completed		N/A		1	SW846 1312	09-Feb-09	09-Feb-09	9020650	
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3545A											
83-32-9	Acenaphthene	BRL		µg/kg dry	2140	5	SW846 8270C	02-Feb-09	03-Feb-09	9020005	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	2140	5	"	"	"	"	X
62-53-3	Aniline	BRL		µg/kg dry	2140	5	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	2140	5	"	"	"	"	X
1912-24-9	Atrazine	BRL		µg/kg dry	2140	5	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/kg dry	2140	5	"	"	"	"	
92-87-5	Benzidine	BRL		µg/kg dry	2140	5	"	"	"	"	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	2140	5	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	2140	5	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	2140	5	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	2140	5	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	3,040		µg/kg dry	2140	5	"	"	"	"	X
65-85-0	Benzoic acid	BRL		µg/kg dry	2140	5	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C11	127-17797-08011	Soil	27-Jan-09 13:30	28-Jan-09
SA90388-01				

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 3545A											
100-51-6	Benzyl alcohol	BRL		µg/kg dry	2140	5	SW846 8270C	02-Feb-09	03-Feb-09	9020005	X
111-91-1	Bis(2-chloroethoxy)methane	BRL		µg/kg dry	2140	5	"	"	"	"	X
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/kg dry	2140	5	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	2140	5	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	2140	5	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/kg dry	2140	5	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	BRL		µg/kg dry	2140	5	"	"	"	"	X
86-74-8	Carbazole	BRL		µg/kg dry	2140	5	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	BRL		µg/kg dry	2140	5	"	"	"	"	X
106-47-8	4-Chloroaniline	BRL		µg/kg dry	2140	5	"	"	"	"	X
91-58-7	2-Chloronaphthalene	BRL		µg/kg dry	2140	5	"	"	"	"	X
95-57-8	2-Chlorophenol	BRL		µg/kg dry	2140	5	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/kg dry	2140	5	"	"	"	"	X
218-01-9	Chrysene	2,640		µg/kg dry	2140	5	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	2140	5	"	"	"	"	X
132-64-9	Dibenzofuran	BRL		µg/kg dry	2140	5	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	2140	5	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	2140	5	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	2140	5	"	"	"	"	X
91-94-1	3,3'-Dichlorobenzidine	BRL		µg/kg dry	2140	5	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	BRL		µg/kg dry	2140	5	"	"	"	"	X
84-66-2	Diethyl phthalate	BRL		µg/kg dry	2140	5	"	"	"	"	X
131-11-3	Dimethyl phthalate	BRL		µg/kg dry	2140	5	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	BRL		µg/kg dry	2140	5	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	BRL		µg/kg dry	2140	5	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	2140	5	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	BRL		µg/kg dry	2140	5	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	BRL		µg/kg dry	2140	5	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	BRL		µg/kg dry	2140	5	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	BRL		µg/kg dry	2140	5	"	"	"	"	X
206-44-0	Fluoranthene	6,200		µg/kg dry	2140	5	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	2140	5	"	"	"	"	X
118-74-1	Hexachlorobenzene	BRL		µg/kg dry	2140	5	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	2140	5	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	BRL		µg/kg dry	2140	5	"	"	"	"	X
67-72-1	Hexachloroethane	BRL		µg/kg dry	2140	5	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	2140	5	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	2140	5	"	"	"	"	
78-59-1	Isophorone	BRL		µg/kg dry	2140	5	"	"	"	"	X
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	2140	5	"	"	"	"	X
95-48-7	2-Methylphenol	BRL		µg/kg dry	2140	5	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	BRL		µg/kg dry	2140	5	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	2140	5	"	"	"	"	X
88-74-4	2-Nitroaniline	BRL		µg/kg dry	2140	5	"	"	"	"	X
99-09-2	3-Nitroaniline	BRL		µg/kg dry	2140	5	"	"	"	"	X
100-01-6	4-Nitroaniline	BRL		µg/kg dry	8550	5	"	"	"	"	X
98-95-3	Nitrobenzene	BRL		µg/kg dry	2140	5	"	"	"	"	X
88-75-5	2-Nitrophenol	BRL		µg/kg dry	2140	5	"	"	"	"	X
100-02-7	4-Nitrophenol	BRL		µg/kg dry	8550	5	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	BRL		µg/kg dry	2140	5	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C11 SA90388-01	127-17797-08011	Soil	27-Jan-09 13:30	28-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 3545A											
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/kg dry	2140	5	SW846 8270C	02-Feb-09	03-Feb-09	9020005	X
86-30-6	N-Nitrosodiphenylamine	BRL		µg/kg dry	2140	5	"	"	"	"	X
87-86-5	Pentachlorophenol	BRL		µg/kg dry	2140	5	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	2140	5	"	"	"	"	X
108-95-2	Phenol	BRL		µg/kg dry	2140	5	"	"	"	"	X
129-00-0	Pyrene	4,220		µg/kg dry	2140	5	"	"	"	"	X
110-86-1	Pyridine	BRL		µg/kg dry	2140	5	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	2140	5	"	"	"	"	X
95-95-4	2,4,5-Trichlorophenol	BRL		µg/kg dry	2140	5	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	BRL		µg/kg dry	2140	5	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	BRL		µg/kg dry	2140	5	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	2140	5	"	"	"	"	X
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*40*		*30-130 %*			"	"	"	"	
367-12-4	*2-Fluorophenol*	*37*		*15-110 %*			"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*35*		*30-130 %*			"	"	"	"	
4165-62-2	*Phenol-d5*	*32*		*15-110 %*			"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*35*		*30-130 %*			"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*29*		*15-110 %*			"	"	"	"	
SPLP PAHs by SW846 1312/8270C											
Prepared by method SW846 3535											
83-32-9	Acenaphthene	BRL		µg/l	0.200	1	SW846 1312/8270C	10-Feb-09	10-Feb-09	9020693	X
208-96-8	Acenaphthylene	BRL		µg/l	0.200	1	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/l	0.200	1	"	"	"	"	
120-12-7	Anthracene	BRL		µg/l	0.200	1	"	"	"	"	X
56-55-3	Benzo (a) anthracene	BRL		µg/l	0.200	1	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/l	0.200	1	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/l	0.200	1	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/l	0.200	1	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/l	0.200	1	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/l	0.200	1	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/l	0.200	1	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/l	0.200	1	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/l	0.200	1	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/l	0.200	1	"	"	"	"	X
91-57-6	2-Methylnaphthalene	BRL		µg/l	0.200	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/l	0.200	1	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/l	0.200	1	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/l	0.200	1	"	"	"	"	X
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*68*		*30-130 %*			"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*60*		*30-130 %*			"	"	"	"	
Semivolatile Organic Compounds by GC											
Polychlorinated Biphenyls by SW846 8082											
Prepared by method SW846 3550B											
12674-11-2	PCB 1016	BRL		µg/kg dry	24.1	1	SW846 8082	30-Jan-09	01-Feb-09	9012042	X
11104-28-2	PCB 1221	BRL		µg/kg dry	24.1	1	"	"	"	"	X
11141-16-5	PCB 1232	BRL		µg/kg dry	24.1	1	"	"	"	"	X
53469-21-9	PCB 1242	BRL		µg/kg dry	24.1	1	"	"	"	"	X
12672-29-6	PCB 1248	BRL		µg/kg dry	24.1	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C11	127-17797-08011	Soil	27-Jan-09 13:30	28-Jan-09
SA90388-01				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GC											
Polychlorinated Biphenyls by SW846 8082											
Prepared by method SW846 3550B											
11097-69-1	PCB 1254	BRL		µg/kg dry	24.1	1	SW846 8082	30-Jan-09	01-Feb-09	9012042	X
11096-82-5	PCB 1260	BRL		µg/kg dry	24.1	1	"	"	"	"	X
37324-23-5	PCB 1262	BRL		µg/kg dry	24.1	1	"	"	"	"	X
11100-14-4	PCB 1268	BRL		µg/kg dry	24.1	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*110*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*72*		*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
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)*	*79*		*30-150 %*			"	"	"	"	
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	02-Feb-09	03-Feb-09	9020006	
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	156		mg/kg dry	17.2	1	"	"	"	"	
	Other Oil	Calculated as		mg/kg dry	17.2	1	"	"	"	"	
	Total Petroleum Hydrocarbons	156		mg/kg dry	17.2	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	156		mg/kg dry	17.2	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	1.88	1	SW846 6010B	02-Feb-09	03-Feb-09	9011923	X
7440-38-2	Arsenic	34.5		mg/kg dry	1.88	1	"	"	"	"	X
7440-39-3	Barium	83.9		mg/kg dry	1.25	1	"	"	"	"	X
7440-43-9	Cadmium	0.929		mg/kg dry	0.627	1	"	"	"	"	X
7440-47-3	Chromium	10.8		mg/kg dry	1.25	1	"	"	"	"	X
7439-97-6	Mercury	0.491		mg/kg dry	0.0385	1	SW846 7471A	"	03-Feb-09	9011924	X
7439-92-1	Lead	184		mg/kg dry	1.88	1	SW846 6010B	"	03-Feb-09	9011923	X
7782-49-2	Selenium	BRL		mg/kg dry	1.88	1	"	"	"	"	X
TCLP Metals by EPA 1311 & 6000/7000 Series Methods											
	TCLP Extraction	Completed		N/A		1	SW846 1311	09-Feb-09	09-Feb-09	9020651	X
7439-92-1	Lead	0.0301		mg/l	0.0150	1	SW846 1311/6010B	10-Feb-09	11-Feb-09	9020684	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C11 SA90388-01	127-17797-08011	Soil	27-Jan-09 13:30	28-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
SPLP Metals by EPA 1312 & 6000/7000 Series Methods											
	SPLP Extraction	Completed		N/A		1	SW846 1312	09-Feb-09	09-Feb-09	9020649	
7440-38-2	Arsenic	BRL		mg/l	0.0040	1	SW846 1312/6010B	10-Feb-09	10-Feb-09	9020682	
7440-43-9	Cadmium	BRL		mg/l	0.0025	1	"	"	"	"	
7440-47-3	Chromium	BRL		mg/l	0.0050	1	"	"	"	"	
7439-97-6	Mercury	BRL		mg/l	0.00020	1	SW846 1312/7470A	"	10-Feb-09	9020683	
7439-92-1	Lead	0.0099		mg/l	0.0075	1	SW846 1312/6010B	"	10-Feb-09	9020682	
General Chemistry Parameters											
	% Solids	77.2		%		1	SM2540 G Mod.	29-Jan-09	29-Jan-09	9011937	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C12	127-17797-08011	Soil	27-Jan-09 11:00	28-Jan-09
SA90388-02				

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	29-Jan-09	29-Jan-09	9011910	
Volatile Organic Compounds											
Prepared by method SW846 5035A Soil (low level)						Initial weight: 5.05 g					
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	6.5	1	SW846 8260B	30-Jan-09	30-Jan-09	9012026	X
67-64-1	Acetone	BRL		µg/kg dry	65.1	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	13.0	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	65.1	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	32.5	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	13.0	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	6.5	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	13.0	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	13.0	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	13.0	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	65.1	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	65.1	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	65.1	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	6.5	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C12 SA90388-02	127-17797-08011	Soil	27-Jan-09 11:00	28-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
Volatile Organic Compounds						Initial weight: 5.05 g					
Prepared by method SW846 5035A Soil (low level)											
103-65-1	n-Propylbenzene	BRL		µg/kg dry	6.5	1	SW846 8260B	30-Jan-09	30-Jan-09	9012026	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	13.0	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	65.1	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	65.1	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	130	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	32.5	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	2600	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*79*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*90*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*122*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*100*		*70-130 %*			"	"	"	"	
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3545A											
83-32-9	Acenaphthene	BRL		µg/kg dry	379	1	SW846 8270C	02-Feb-09	03-Feb-09	9020005	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	379	1	"	"	"	"	X
62-53-3	Aniline	BRL		µg/kg dry	379	1	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	379	1	"	"	"	"	X
1912-24-9	Atrazine	BRL		µg/kg dry	379	1	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/kg dry	379	1	"	"	"	"	
92-87-5	Benzidine	BRL		µg/kg dry	379	1	"	"	"	"	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	379	1	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	379	1	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	379	1	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	379	1	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	379	1	"	"	"	"	X
65-85-0	Benzoic acid	BRL		µg/kg dry	379	1	"	"	"	"	X
100-51-6	Benzyl alcohol	BRL		µg/kg dry	379	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C12 SA90388-02	127-17797-08011	Soil	27-Jan-09 11:00	28-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 3545A											
111-91-1	Bis(2-chloroethoxy)methane	BRL		µg/kg dry	379	1	SW846 8270C	02-Feb-09	03-Feb-09	9020005	X
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/kg dry	379	1	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	379	1	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	379	1	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/kg dry	379	1	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	BRL		µg/kg dry	379	1	"	"	"	"	X
86-74-8	Carbazole	BRL		µg/kg dry	379	1	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	BRL		µg/kg dry	379	1	"	"	"	"	X
106-47-8	4-Chloroaniline	BRL		µg/kg dry	379	1	"	"	"	"	X
91-58-7	2-Chloronaphthalene	BRL		µg/kg dry	379	1	"	"	"	"	X
95-57-8	2-Chlorophenol	BRL		µg/kg dry	379	1	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/kg dry	379	1	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	379	1	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	379	1	"	"	"	"	X
132-64-9	Dibenzofuran	BRL		µg/kg dry	379	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	379	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	379	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	379	1	"	"	"	"	X
91-94-1	3,3'-Dichlorobenzidine	BRL		µg/kg dry	379	1	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	BRL		µg/kg dry	379	1	"	"	"	"	X
84-66-2	Diethyl phthalate	BRL		µg/kg dry	379	1	"	"	"	"	X
131-11-3	Dimethyl phthalate	BRL		µg/kg dry	379	1	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	BRL		µg/kg dry	379	1	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	BRL		µg/kg dry	379	1	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	379	1	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	BRL		µg/kg dry	379	1	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	BRL		µg/kg dry	379	1	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	BRL		µg/kg dry	379	1	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	BRL		µg/kg dry	379	1	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	379	1	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	379	1	"	"	"	"	X
118-74-1	Hexachlorobenzene	BRL		µg/kg dry	379	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	379	1	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	BRL		µg/kg dry	379	1	"	"	"	"	X
67-72-1	Hexachloroethane	BRL		µg/kg dry	379	1	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	379	1	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	379	1	"	"	"	"	
78-59-1	Isophorone	BRL		µg/kg dry	379	1	"	"	"	"	X
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	379	1	"	"	"	"	X
95-48-7	2-Methylphenol	BRL		µg/kg dry	379	1	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	BRL		µg/kg dry	379	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	379	1	"	"	"	"	X
88-74-4	2-Nitroaniline	BRL		µg/kg dry	379	1	"	"	"	"	X
99-09-2	3-Nitroaniline	BRL		µg/kg dry	379	1	"	"	"	"	X
100-01-6	4-Nitroaniline	BRL		µg/kg dry	1510	1	"	"	"	"	X
98-95-3	Nitrobenzene	BRL		µg/kg dry	379	1	"	"	"	"	X
88-75-5	2-Nitrophenol	BRL		µg/kg dry	379	1	"	"	"	"	X
100-02-7	4-Nitrophenol	BRL		µg/kg dry	1510	1	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	BRL		µg/kg dry	379	1	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/kg dry	379	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C12 SA90388-02	127-17797-08011	Soil	27-Jan-09 11:00	28-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 3545A											
86-30-6	N-Nitrosodiphenylamine	BRL		µg/kg dry	379	1	SW846 8270C	02-Feb-09	03-Feb-09	9020005	X
87-86-5	Pentachlorophenol	BRL		µg/kg dry	379	1	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	379	1	"	"	"	"	X
108-95-2	Phenol	BRL		µg/kg dry	379	1	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	379	1	"	"	"	"	X
110-86-1	Pyridine	BRL		µg/kg dry	379	1	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	379	1	"	"	"	"	X
95-95-4	2,4,5-Trichlorophenol	BRL		µg/kg dry	379	1	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	BRL		µg/kg dry	379	1	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	BRL		µg/kg dry	379	1	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	379	1	"	"	"	"	X
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*68*		*30-130 %*			"	"	"	"	
367-12-4	*2-Fluorophenol*	*58*		*15-110 %*			"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*65*		*30-130 %*			"	"	"	"	
4165-62-2	*Phenol-d5*	*66*		*15-110 %*			"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*55*		*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	21.2	1	SW846 8082	30-Jan-09	01-Feb-09	9012042	X
11104-28-2	PCB 1221	BRL		µg/kg dry	21.2	1	"	"	"	"	X
11141-16-5	PCB 1232	BRL		µg/kg dry	21.2	1	"	"	"	"	X
53469-21-9	PCB 1242	BRL		µg/kg dry	21.2	1	"	"	"	"	X
12672-29-6	PCB 1248	BRL		µg/kg dry	21.2	1	"	"	"	"	X
11097-69-1	PCB 1254	BRL		µg/kg dry	21.2	1	"	"	"	"	X
11096-82-5	PCB 1260	BRL		µg/kg dry	21.2	1	"	"	"	"	X
37324-23-5	PCB 1262	BRL		µg/kg dry	21.2	1	"	"	"	"	X
11100-14-4	PCB 1268	BRL		µg/kg dry	21.2	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*90*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*75*		*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
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)*	*70*		*30-150 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C12 SA90388-02	127-17797-08011	Soil	27-Jan-09 11:00	28-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	15.3	1	+CT ETPH	02-Feb-09	03-Feb-09	9020006	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	15.3	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	15.3	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	15.3	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	15.3	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	15.3	1	"	"	"	"	
	Unidentified	BRL		mg/kg dry	15.3	1	"	"	"	"	
	Other Oil	BRL		mg/kg dry	15.3	1	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL		mg/kg dry	15.3	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	15.3	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	1.65	1	SW846 6010B	02-Feb-09	03-Feb-09	9011923	X
7440-38-2	Arsenic	5.92		mg/kg dry	1.65	1	"	"	"	"	X
7440-39-3	Barium	67.2		mg/kg dry	1.10	1	"	"	"	"	X
7440-43-9	Cadmium	BRL		mg/kg dry	0.548	1	"	"	"	"	X
7440-47-3	Chromium	11.3		mg/kg dry	1.10	1	"	"	"	"	X
7439-97-6	Mercury	0.372		mg/kg dry	0.0302	1	SW846 7471A	"	03-Feb-09	9011924	X
7439-92-1	Lead	92.0		mg/kg dry	1.65	1	SW846 6010B	"	03-Feb-09	9011923	X
7782-49-2	Selenium	BRL		mg/kg dry	1.65	1	"	"	"	"	X
General Chemistry Parameters											
	% Solids	86.5		%		1	SM2540 G Mod.	29-Jan-09	29-Jan-09	9011937	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C13 SA90388-03	127-17797-08011	Soil	27-Jan-09 09:30	28-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	29-Jan-09	29-Jan-09	9011910	
Volatile Organic Compounds						Initial weight: 6.03 g					
Prepared by method SW846 5035A Soil (low level)											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	5.6	1	SW846 8260B	30-Jan-09	30-Jan-09	9012026	X
67-64-1	Acetone	BRL		µg/kg dry	56.3	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	56.3	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)	312	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	56.3	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	56.3	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	56.3	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	5.6	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C13	127-17797-08011	Soil	27-Jan-09 09:30	28-Jan-09
SA90388-03				

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: 6.03 g					
103-65-1	n-Propylbenzene	BRL		µg/kg dry	5.6	1	SW846 8260B	30-Jan-09	30-Jan-09	9012026	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	56.3	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	56.3	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	2250	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*	*122*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*103*		*70-130 %*			"	"	"	"	
Re-analysis of Volatile Organic Compounds											
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	126	50	SW846 8260B	02-Feb-09	03-Feb-09	9020086	X
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*104*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*106*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*95*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*99*		*70-130 %*			"	"	"	"	
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3545A											
83-32-9	Acenaphthene	BRL		µg/kg dry	378	1	SW846 8270C	02-Feb-09	03-Feb-09	9020005	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

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C13 SA90388-03	127-17797-08011	Soil	27-Jan-09 09:30	28-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 3545A											
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	378	1	SW846 8270C	02-Feb-09	03-Feb-09	9020005	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
111-91-1	Bis(2-chloroethoxy)methane	BRL		µg/kg dry	378	1	"	"	"	"	X
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/kg dry	378	1	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	378	1	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	378	1	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/kg dry	378	1	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	BRL		µg/kg dry	378	1	"	"	"	"	X
86-74-8	Carbazole	BRL		µg/kg dry	378	1	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	BRL		µg/kg dry	378	1	"	"	"	"	X
106-47-8	4-Chloroaniline	BRL		µg/kg dry	378	1	"	"	"	"	X
91-58-7	2-Chloronaphthalene	BRL		µg/kg dry	378	1	"	"	"	"	X
95-57-8	2-Chlorophenol	BRL		µg/kg dry	378	1	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/kg dry	378	1	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	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

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C13 SA90388-03	127-17797-08011	Soil	27-Jan-09 09:30	28-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 3545A											
99-09-2	3-Nitroaniline	BRL		µg/kg dry	378	1	SW846 8270C	02-Feb-09	03-Feb-09	9020005	X
100-01-6	4-Nitroaniline	BRL		µg/kg dry	1510	1	"	"	"	"	X
98-95-3	Nitrobenzene	BRL		µg/kg dry	378	1	"	"	"	"	X
88-75-5	2-Nitrophenol	BRL		µg/kg dry	378	1	"	"	"	"	X
100-02-7	4-Nitrophenol	BRL		µg/kg dry	1510	1	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	BRL		µg/kg dry	378	1	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/kg dry	378	1	"	"	"	"	X
86-30-6	N-Nitrosodiphenylamine	BRL		µg/kg dry	378	1	"	"	"	"	X
87-86-5	Pentachlorophenol	BRL		µg/kg dry	378	1	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	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*	*57*		*30-130 %*			"	"	"	"	
367-12-4	*2-Fluorophenol*	*49*		*15-110 %*			"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*51*		*30-130 %*			"	"	"	"	
4165-62-2	*Phenol-d5*	*56*		*15-110 %*			"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*47*		*30-130 %*			"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*45*		*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	22.2	1	SW846 8082	30-Jan-09	01-Feb-09	9012042	X
11104-28-2	PCB 1221	BRL		µg/kg dry	22.2	1	"	"	"	"	X
11141-16-5	PCB 1232	BRL		µg/kg dry	22.2	1	"	"	"	"	X
53469-21-9	PCB 1242	BRL		µg/kg dry	22.2	1	"	"	"	"	X
12672-29-6	PCB 1248	BRL		µg/kg dry	22.2	1	"	"	"	"	X
11097-69-1	PCB 1254	BRL		µg/kg dry	22.2	1	"	"	"	"	X
11096-82-5	PCB 1260	BRL		µg/kg dry	22.2	1	"	"	"	"	X
37324-23-5	PCB 1262	BRL		µg/kg dry	22.2	1	"	"	"	"	X
11100-14-4	PCB 1268	BRL		µg/kg dry	22.2	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*97*		*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	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-C13 SA90388-03	127-17797-08011	Soil	27-Jan-09 09:30	28-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)*	*68*		*30-150 %*			"	"	"	"	
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	02-Feb-09	03-Feb-09	9020006	
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*	*75*		*50-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	BRL		mg/kg dry	1.72	1	SW846 6010B	02-Feb-09	03-Feb-09	9011923	X
7440-38-2	Arsenic	6.98		mg/kg dry	1.72	1	"	"	"	"	X
7440-39-3	Barium	53.5		mg/kg dry	1.14	1	"	"	"	"	X
7440-43-9	Cadmium	BRL		mg/kg dry	0.572	1	"	"	"	"	X
7440-47-3	Chromium	8.26		mg/kg dry	1.14	1	"	"	"	"	X
7439-97-6	Mercury	0.0514		mg/kg dry	0.0332	1	SW846 7471A	"	03-Feb-09	9011924	X
7439-92-1	Lead	15.9		mg/kg dry	1.72	1	SW846 6010B	"	03-Feb-09	9011923	X
7782-49-2	Selenium	BRL		mg/kg dry	1.72	1	"	"	"	"	X
General Chemistry Parameters											
	% Solids	86.0		%		1	SM2540 G Mod.	29-Jan-09	29-Jan-09	9011937	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C14 SA90388-04	127-17797-08011	Soil	27-Jan-09 08:30	28-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	29-Jan-09	29-Jan-09	9011910	
Volatile Organic Compounds			VC10								
Prepared by method SW846 5035A Soil (low level)						Initial weight: 6.6 g					
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	5.2	1	SW846 8260B	30-Jan-09	30-Jan-09	9012026	X
67-64-1	Acetone	BRL		µg/kg dry	51.8	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	5.2	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	5.2	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	5.2	1	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	5.2	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	5.2	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	5.2	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	10.4	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	51.8	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	5.2	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	5.2	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	5.2	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	25.9	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	5.2	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	5.2	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	10.4	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	5.2	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	10.4	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	5.2	1	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	5.2	1	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	10.4	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	5.2	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	5.2	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	5.2	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	5.2	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	5.2	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	5.2	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	10.4	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	5.2	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	5.2	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	5.2	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	5.2	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	5.2	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	5.2	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	5.2	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	5.2	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	5.2	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	5.2	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	5.2	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	5.2	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	5.2	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	51.8	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	5.2	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	5.2	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	5.2	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	51.8	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	51.8	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	5.2	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C14 SA90388-04	127-17797-08011	Soil	27-Jan-09 08:30	28-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
Volatile Organic Compounds			VC10		Initial weight: 6.6 g						
Prepared by method SW846 5035A Soil (low level)											
103-65-1	n-Propylbenzene	BRL		µg/kg dry	5.2	1	SW846 8260B	30-Jan-09	30-Jan-09	9012026	X
100-42-5	Styrene	BRL		µg/kg dry	5.2	1	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	5.2	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	5.2	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	5.2	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	5.2	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	5.2	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	5.2	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	5.2	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	5.2	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	5.2	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	5.2	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	5.2	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	5.2	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	5.2	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	5.2	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	5.2	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	10.4	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	5.2	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	51.8	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	5.2	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	5.2	1	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	5.2	1	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	5.2	1	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	51.8	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	104	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	25.9	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	2070	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*81*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*91*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*123*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*100*		*70-130 %*			"	"	"	"	
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3545A											
83-32-9	Acenaphthene	BRL		µg/kg dry	378	1	SW846 8270C	02-Feb-09	03-Feb-09	9020005	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-C14	127-17797-08011	Soil	27-Jan-09 08:30	28-Jan-09
SA90388-04				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3545A											
111-91-1	Bis(2-chloroethoxy)methane	BRL		µg/kg dry	378	1	SW846 8270C	02-Feb-09	03-Feb-09	9020005	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	475		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-C14 SA90388-04	127-17797-08011	Soil	27-Jan-09 08:30	28-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 3545A											
86-30-6	N-Nitrosodiphenylamine	BRL		µg/kg dry	378	1	SW846 8270C	02-Feb-09	03-Feb-09	9020005	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*	*65*		*30-130 %*			"	"	"	"	
367-12-4	*2-Fluorophenol*	*54*		*15-110 %*			"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*59*		*30-130 %*			"	"	"	"	
4165-62-2	*Phenol-d5*	*63*		*15-110 %*			"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*54*		*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	22.5	1	SW846 8082	30-Jan-09	01-Feb-09	9012042	X
11104-28-2	PCB 1221	BRL		µg/kg dry	22.5	1	"	"	"	"	X
11141-16-5	PCB 1232	BRL		µg/kg dry	22.5	1	"	"	"	"	X
53469-21-9	PCB 1242	BRL		µg/kg dry	22.5	1	"	"	"	"	X
12672-29-6	PCB 1248	BRL		µg/kg dry	22.5	1	"	"	"	"	X
11097-69-1	PCB 1254	BRL		µg/kg dry	22.5	1	"	"	"	"	X
11096-82-5	PCB 1260	BRL		µg/kg dry	22.5	1	"	"	"	"	X
37324-23-5	PCB 1262	BRL		µg/kg dry	22.5	1	"	"	"	"	X
11100-14-4	PCB 1268	BRL		µg/kg dry	22.5	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*91*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*41*		*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
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)*	*55*		*30-150 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C14	127-17797-08011	Soil	27-Jan-09 08:30	28-Jan-09
SA90388-04				

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	02-Feb-09	03-Feb-09	9020006	
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	25.3		mg/kg dry	15.2	1	"	"	"	"	
	Other Oil	Calculated as		mg/kg dry	15.2	1	"	"	"	"	
	Total Petroleum Hydrocarbons	25.3		mg/kg dry	15.2	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	25.3		mg/kg dry	15.2	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*92*		*50-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	BRL		mg/kg dry	1.72	1	SW846 6010B	02-Feb-09	03-Feb-09	9011923	X
7440-38-2	Arsenic	6.11		mg/kg dry	1.72	1	"	"	"	"	X
7440-39-3	Barium	82.2		mg/kg dry	1.15	1	"	"	"	"	X
7440-43-9	Cadmium	BRL		mg/kg dry	0.573	1	"	"	"	"	X
7440-47-3	Chromium	11.2		mg/kg dry	1.15	1	"	"	"	"	X
7439-97-6	Mercury	0.0879		mg/kg dry	0.0343	1	SW846 7471A	"	03-Feb-09	9011924	X
7439-92-1	Lead	31.0		mg/kg dry	1.72	1	SW846 6010B	"	03-Feb-09	9011923	X
7782-49-2	Selenium	BRL		mg/kg dry	1.72	1	"	"	"	"	X
General Chemistry Parameters											
	% Solids	86.3		%		1	SM2540 G Mod.	29-Jan-09	29-Jan-09	9011937	

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9012026 - SW846 5035A Soil (low level)										
Blank (9012026-BLK1)										
Prepared & Analyzed: 30-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 9012026 - SW846 5035A Soil (low level)										
Blank (9012026-BLK1)										
Prepared & Analyzed: 30-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	*44.4*		µg/kg wet		*50.0*		*89*	*70-130*		
Surrogate: Toluene-d8	*46.8*		µg/kg wet		*50.0*		*94*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*59.4*		µg/kg wet		*50.0*		*119*	*70-130*		
Surrogate: Dibromofluoromethane	*51.0*		µg/kg wet		*50.0*		*102*	*70-130*		
LCS (9012026-BS1)										
Prepared & Analyzed: 30-Jan-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	19.4		µg/kg wet		20.0		97	70-130		
Acetone	9.8		µg/kg wet		20.0		49	7.9-168		
Acrylonitrile	16.0		µg/kg wet		20.0		80	70-130		
Benzene	19.8		µg/kg wet		20.0		99	70-130		
Bromobenzene	17.0		µg/kg wet		20.0		85	70-130		
Bromochloromethane	16.8		µg/kg wet		20.0		84	70-130		
Bromodichloromethane	18.9		µg/kg wet		20.0		95	70-130		
Bromoform	16.9		µg/kg wet		20.0		85	70-130		
Bromomethane	16.5		µg/kg wet		20.0		82	50-134		
2-Butanone (MEK)	13.3		µg/kg wet		20.0		67	44.6-130		
n-Butylbenzene	21.3		µg/kg wet		20.0		106	70-130		
sec-Butylbenzene	19.2		µg/kg wet		20.0		96	70-130		
tert-Butylbenzene	18.1		µg/kg wet		20.0		90	70-130		
Carbon disulfide	21.3		µg/kg wet		20.0		106	70-130		
Carbon tetrachloride	19.8		µg/kg wet		20.0		99	70-130		
Chlorobenzene	18.5		µg/kg wet		20.0		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 9012026 - SW846 5035A Soil (low level)										
LCS (9012026-BS1)										
Prepared & Analyzed: 30-Jan-09										
Chloroethane	17.0		µg/kg wet		20.0		85	59.2-130		
Chloroform	17.6		µg/kg wet		20.0		88	70-130		
Chloromethane	16.3		µg/kg wet		20.0		81	70-130		
2-Chlorotoluene	19.3		µg/kg wet		20.0		97	70-130		
4-Chlorotoluene	18.0		µg/kg wet		20.0		90	70-130		
1,2-Dibromo-3-chloropropane	18.5		µg/kg wet		20.0		92	70-130		
Dibromochloromethane	16.6		µg/kg wet		20.0		83	63.8-130		
1,2-Dibromoethane (EDB)	16.1		µg/kg wet		20.0		80	70-130		
Dibromomethane	16.8		µg/kg wet		20.0		84	70-130		
1,2-Dichlorobenzene	18.9		µg/kg wet		20.0		95	70-130		
1,3-Dichlorobenzene	17.5		µg/kg wet		20.0		87	70-130		
1,4-Dichlorobenzene	18.9		µg/kg wet		20.0		94	70-130		
Dichlorodifluoromethane (Freon12)	17.6		µg/kg wet		20.0		88	41.8-130		
1,1-Dichloroethane	19.5		µg/kg wet		20.0		97	70-130		
1,2-Dichloroethane	17.6		µg/kg wet		20.0		88	70-130		
1,1-Dichloroethene	20.6		µg/kg wet		20.0		103	70-130		
cis-1,2-Dichloroethene	18.3		µg/kg wet		20.0		92	70-130		
trans-1,2-Dichloroethene	17.9		µg/kg wet		20.0		90	70-130		
1,2-Dichloropropane	18.7		µg/kg wet		20.0		93	70-130		
1,3-Dichloropropane	17.1		µg/kg wet		20.0		86	70-130		
2,2-Dichloropropane	18.0		µg/kg wet		20.0		90	70-130		
1,1-Dichloropropene	19.7		µg/kg wet		20.0		99	70-130		
cis-1,3-Dichloropropene	17.8		µg/kg wet		20.0		89	70-130		
trans-1,3-Dichloropropene	18.2		µg/kg wet		20.0		91	70-130		
Ethylbenzene	19.0		µg/kg wet		20.0		95	70-130		
Hexachlorobutadiene	16.9		µg/kg wet		20.0		85	68.3-130		
2-Hexanone (MBK)	13.6	QC1	µg/kg wet		20.0		68	70-130		
Isopropylbenzene	18.3		µg/kg wet		20.0		92	70-130		
4-Isopropyltoluene	19.9		µg/kg wet		20.0		100	70-130		
Methyl tert-butyl ether	16.9		µg/kg wet		20.0		84	70-130		
4-Methyl-2-pentanone (MIBK)	13.4		µg/kg wet		20.0		67	53.1-132		
Methylene chloride	18.0		µg/kg wet		20.0		90	70-130		
Naphthalene	15.0		µg/kg wet		20.0		75	70-130		
n-Propylbenzene	18.8		µg/kg wet		20.0		94	70-130		
Styrene	17.8		µg/kg wet		20.0		89	70-130		
1,1,1,2-Tetrachloroethane	17.8		µg/kg wet		20.0		89	70-130		
1,1,2,2-Tetrachloroethane	18.5		µg/kg wet		20.0		92	70-130		
Tetrachloroethene	16.5		µg/kg wet		20.0		83	70-130		
Toluene	15.7		µg/kg wet		20.0		79	70-130		
1,2,3-Trichlorobenzene	16.2		µg/kg wet		20.0		81	70-130		
1,2,4-Trichlorobenzene	15.9		µg/kg wet		20.0		80	70-130		
1,3,5-Trichlorobenzene	17.7		µg/kg wet		20.0		88	70-130		
1,1,1-Trichloroethane	18.8		µg/kg wet		20.0		94	70-130		
1,1,2-Trichloroethane	17.3		µg/kg wet		20.0		87	70-130		
Trichloroethene	18.9		µg/kg wet		20.0		95	70-130		
Trichlorofluoromethane (Freon 11)	20.3		µg/kg wet		20.0		101	68.2-130		
1,2,3-Trichloropropane	17.6		µg/kg wet		20.0		88	70-130		
1,2,4-Trimethylbenzene	18.3		µg/kg wet		20.0		92	70-130		
1,3,5-Trimethylbenzene	18.6		µg/kg wet		20.0		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 9012026 - SW846 5035A Soil (low level)										
LCS (9012026-BS1)										
Prepared & Analyzed: 30-Jan-09										
Vinyl chloride	19.6		µg/kg wet		20.0		98	70-130		
m,p-Xylene	37.9		µg/kg wet		40.0		95	70-130		
o-Xylene	18.1		µg/kg wet		20.0		90	70-130		
Tetrahydrofuran	14.8		µg/kg wet		20.0		74	70-130		
Ethyl ether	16.7		µg/kg wet		20.0		84	70-130		
Tert-amyl methyl ether	15.9		µg/kg wet		20.0		80	70-130		
Ethyl tert-butyl ether	16.9		µg/kg wet		20.0		84	70-130		
Di-isopropyl ether	18.0		µg/kg wet		20.0		90	70-130		
Tert-Butanol / butyl alcohol	146		µg/kg wet		200		73	70-130		
1,4-Dioxane	157		µg/kg wet		200		79	48.7-130		
trans-1,4-Dichloro-2-butene	18.8		µg/kg wet		20.0		94	70-130		
Ethanol	367		µg/kg wet		400		92	70-130		
Surrogate: 4-Bromofluorobenzene	*47.4*		µg/kg wet		*50.0*		*95*	*70-130*		
Surrogate: Toluene-d8	*44.7*		µg/kg wet		*50.0*		*89*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*45.6*		µg/kg wet		*50.0*		*91*	*70-130*		
Surrogate: Dibromofluoromethane	*45.5*		µg/kg wet		*50.0*		*91*	*70-130*		
LCS Dup (9012026-BSD1)										
Prepared & Analyzed: 30-Jan-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	22.3		µg/kg wet		20.0		112	70-130	14	25
Acetone	9.7		µg/kg wet		20.0		49	7.9-168	1	50
Acrylonitrile	17.8		µg/kg wet		20.0		89	70-130	11	25
Benzene	21.0		µg/kg wet		20.0		105	70-130	6	25
Bromobenzene	17.0		µg/kg wet		20.0		85	70-130	0.3	25
Bromochloromethane	15.8		µg/kg wet		20.0		79	70-130	6	25
Bromodichloromethane	21.2		µg/kg wet		20.0		106	70-130	11	25
Bromoform	20.0		µg/kg wet		20.0		100	70-130	17	25
Bromomethane	14.3		µg/kg wet		20.0		71	50-134	14	50
2-Butanone (MEK)	14.9		µg/kg wet		20.0		75	44.6-130	11	50
n-Butylbenzene	21.7		µg/kg wet		20.0		108	70-130	2	25
sec-Butylbenzene	17.5		µg/kg wet		20.0		87	70-130	9	25
tert-Butylbenzene	16.5		µg/kg wet		20.0		83	70-130	9	25
Carbon disulfide	20.7		µg/kg wet		20.0		104	70-130	3	25
Carbon tetrachloride	22.3		µg/kg wet		20.0		112	70-130	12	25
Chlorobenzene	19.8		µg/kg wet		20.0		99	70-130	7	25
Chloroethane	14.6		µg/kg wet		20.0		73	59.2-130	15	50
Chloroform	19.1		µg/kg wet		20.0		95	70-130	8	25
Chloromethane	13.9	QC1	µg/kg wet		20.0		69	70-130	16	25
2-Chlorotoluene	18.7		µg/kg wet		20.0		94	70-130	3	25
4-Chlorotoluene	17.8		µg/kg wet		20.0		89	70-130	1	25
1,2-Dibromo-3-chloropropane	20.9		µg/kg wet		20.0		104	70-130	12	25
Dibromochloromethane	19.2		µg/kg wet		20.0		96	63.8-130	15	50
1,2-Dibromoethane (EDB)	18.4		µg/kg wet		20.0		92	70-130	14	25
Dibromomethane	18.6		µg/kg wet		20.0		93	70-130	10	25
1,2-Dichlorobenzene	19.9		µg/kg wet		20.0		99	70-130	5	25
1,3-Dichlorobenzene	16.4		µg/kg wet		20.0		82	70-130	6	25
1,4-Dichlorobenzene	20.0		µg/kg wet		20.0		100	70-130	6	25
Dichlorodifluoromethane (Freon12)	16.4		µg/kg wet		20.0		82	41.8-130	7	50
1,1-Dichloroethane	19.9		µg/kg wet		20.0		100	70-130	2	25
1,2-Dichloroethane	20.4		µg/kg wet		20.0		102	70-130	15	25
1,1-Dichloroethene	20.3		µg/kg wet		20.0		101	70-130	2	25

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9012026 - SW846 5035A Soil (low level)										
LCS Dup (9012026-BSD1)										
Prepared & Analyzed: 30-Jan-09										
cis-1,2-Dichloroethene	19.4		µg/kg wet		20.0		97	70-130	6	25
trans-1,2-Dichloroethene	21.0		µg/kg wet		20.0		105	70-130	16	25
1,2-Dichloropropane	21.2		µg/kg wet		20.0		106	70-130	13	25
1,3-Dichloropropane	18.7		µg/kg wet		20.0		93	70-130	9	25
2,2-Dichloropropane	20.8		µg/kg wet		20.0		104	70-130	14	25
1,1-Dichloropropene	21.7		µg/kg wet		20.0		108	70-130	9	25
cis-1,3-Dichloropropene	19.0		µg/kg wet		20.0		95	70-130	7	25
trans-1,3-Dichloropropene	19.1		µg/kg wet		20.0		96	70-130	5	25
Ethylbenzene	19.9		µg/kg wet		20.0		100	70-130	5	25
Hexachlorobutadiene	16.5		µg/kg wet		20.0		83	68.3-130	2	50
2-Hexanone (MBK)	14.2		µg/kg wet		20.0		71	70-130	5	25
Isopropylbenzene	18.3		µg/kg wet		20.0		91	70-130	0.3	25
4-Isopropyltoluene	20.8		µg/kg wet		20.0		104	70-130	4	25
Methyl tert-butyl ether	21.1		µg/kg wet		20.0		105	70-130	22	25
4-Methyl-2-pentanone (MIBK)	13.7		µg/kg wet		20.0		68	53.1-132	2	50
Methylene chloride	17.9		µg/kg wet		20.0		90	70-130	0.2	25
Naphthalene	15.2		µg/kg wet		20.0		76	70-130	1	25
n-Propylbenzene	18.1		µg/kg wet		20.0		91	70-130	4	25
Styrene	18.3		µg/kg wet		20.0		91	70-130	2	25
1,1,1,2-Tetrachloroethane	20.4		µg/kg wet		20.0		102	70-130	13	25
1,1,2,2-Tetrachloroethane	19.5		µg/kg wet		20.0		98	70-130	5	25
Tetrachloroethene	17.4		µg/kg wet		20.0		87	70-130	5	25
Toluene	16.6		µg/kg wet		20.0		83	70-130	6	25
1,2,3-Trichlorobenzene	16.0		µg/kg wet		20.0		80	70-130	1	25
1,2,4-Trichlorobenzene	15.8		µg/kg wet		20.0		79	70-130	0.8	25
1,3,5-Trichlorobenzene	18.3		µg/kg wet		20.0		92	70-130	4	25
1,1,1-Trichloroethane	21.3		µg/kg wet		20.0		107	70-130	12	25
1,1,2-Trichloroethane	19.0		µg/kg wet		20.0		95	70-130	9	25
Trichloroethene	20.8		µg/kg wet		20.0		104	70-130	10	25
Trichlorofluoromethane (Freon 11)	19.3		µg/kg wet		20.0		96	68.2-130	5	50
1,2,3-Trichloropropane	18.8		µg/kg wet		20.0		94	70-130	7	25
1,2,4-Trimethylbenzene	17.4		µg/kg wet		20.0		87	70-130	5	25
1,3,5-Trimethylbenzene	17.7		µg/kg wet		20.0		88	70-130	5	25
Vinyl chloride	16.9		µg/kg wet		20.0		85	70-130	15	25
m,p-Xylene	38.6		µg/kg wet		40.0		96	70-130	2	25
o-Xylene	18.7		µg/kg wet		20.0		94	70-130	4	25
Tetrahydrofuran	17.0		µg/kg wet		20.0		85	70-130	14	25
Ethyl ether	21.6		µg/kg wet		20.0		108	70-130	26	50
Tert-amyl methyl ether	18.1		µg/kg wet		20.0		91	70-130	13	25
Ethyl tert-butyl ether	20.4		µg/kg wet		20.0		102	70-130	19	25
Di-isopropyl ether	21.0		µg/kg wet		20.0		105	70-130	15	25
Tert-Butanol / butyl alcohol	158		µg/kg wet		200		79	70-130	8	25
1,4-Dioxane	142		µg/kg wet		200		71	48.7-130	10	25
trans-1,4-Dichloro-2-butene	17.2		µg/kg wet		20.0		86	70-130	9	25
Ethanol	289		µg/kg wet		400		72	70-130	24	30
Surrogate: 4-Bromofluorobenzene	*44.9*		µg/kg wet		*50.0*		*90*	*70-130*		
Surrogate: Toluene-d8	*45.2*		µg/kg wet		*50.0*		*90*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*49.7*		µg/kg wet		*50.0*		*99*	*70-130*		
Surrogate: Dibromofluoromethane	*48.6*		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 9020086 - SW846 5030 Soil (high level)										
Blank (9020086-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 9020086 - SW846 5030 Soil (high level)										
Blank (9020086-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	*29.5*		µg/kg wet		*30.0*		*98*	*70-130*		
Surrogate: Toluene-d8	*31.7*		µg/kg wet		*30.0*		*106*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*30.9*		µg/kg wet		*30.0*		*103*	*70-130*		
Surrogate: Dibromofluoromethane	*30.4*		µg/kg wet		*30.0*		*101*	*70-130*		
LCS (9020086-BS1)										
Prepared & Analyzed: 02-Feb-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	25.0		µg/kg wet		20.0		125	70-130		
Acetone	16.6		µg/kg wet		20.0		83	7.9-168		
Acrylonitrile	23.5		µg/kg wet		20.0		118	70-130		
Benzene	19.4		µg/kg wet		20.0		97	70-130		
Bromobenzene	22.5		µg/kg wet		20.0		113	70-130		
Bromochloromethane	22.3		µg/kg wet		20.0		112	70-130		
Bromodichloromethane	19.1		µg/kg wet		20.0		96	70-130		
Bromoform	17.1		µg/kg wet		20.0		86	70-130		
Bromomethane	19.5		µg/kg wet		20.0		98	50-134		
2-Butanone (MEK)	20.9		µg/kg wet		20.0		104	44.6-130		
n-Butylbenzene	18.1		µg/kg wet		20.0		91	70-130		
sec-Butylbenzene	21.7		µg/kg wet		20.0		109	70-130		
tert-Butylbenzene	22.8		µg/kg wet		20.0		114	70-130		
Carbon disulfide	22.3		µg/kg wet		20.0		112	70-130		
Carbon tetrachloride	15.5		µg/kg wet		20.0		77	70-130		
Chlorobenzene	23.4		µg/kg wet		20.0		117	70-130		
Chloroethane	16.2		µg/kg wet		20.0		81	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 9020086 - SW846 5030 Soil (high level)										
LCS (9020086-BS1)										
Prepared & Analyzed: 02-Feb-09										
Chloroform	22.6		µg/kg wet		20.0		113	70-130		
Chloromethane	17.0		µg/kg wet		20.0		85	70-130		
2-Chlorotoluene	18.6		µg/kg wet		20.0		93	70-130		
4-Chlorotoluene	20.2		µg/kg wet		20.0		101	70-130		
1,2-Dibromo-3-chloropropane	9.8	QC2	µg/kg wet		20.0		49	70-130		
Dibromochloromethane	18.7		µg/kg wet		20.0		93	63.8-130		
1,2-Dibromoethane (EDB)	19.1		µg/kg wet		20.0		96	70-130		
Dibromomethane	21.3		µg/kg wet		20.0		107	70-130		
1,2-Dichlorobenzene	19.2		µg/kg wet		20.0		96	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)	14.0		µg/kg wet		20.0		70	41.8-130		
1,1-Dichloroethane	23.1		µg/kg wet		20.0		116	70-130		
1,2-Dichloroethane	22.8		µg/kg wet		20.0		114	70-130		
1,1-Dichloroethene	23.0		µg/kg wet		20.0		115	70-130		
cis-1,2-Dichloroethene	23.3		µg/kg wet		20.0		116	70-130		
trans-1,2-Dichloroethene	21.7		µg/kg wet		20.0		108	70-130		
1,2-Dichloropropane	18.7		µg/kg wet		20.0		94	70-130		
1,3-Dichloropropane	19.1		µg/kg wet		20.0		95	70-130		
2,2-Dichloropropane	11.6	QC2	µg/kg wet		20.0		58	70-130		
1,1-Dichloropropene	20.1		µg/kg wet		20.0		100	70-130		
cis-1,3-Dichloropropene	15.1		µg/kg wet		20.0		75	70-130		
trans-1,3-Dichloropropene	12.9	QC2	µg/kg wet		20.0		64	70-130		
Ethylbenzene	19.7		µg/kg wet		20.0		99	70-130		
Hexachlorobutadiene	18.8		µg/kg wet		20.0		94	68.3-130		
2-Hexanone (MBK)	19.6		µg/kg wet		20.0		98	70-130		
Isopropylbenzene	17.8		µg/kg wet		20.0		89	70-130		
4-Isopropyltoluene	19.1		µg/kg wet		20.0		96	70-130		
Methyl tert-butyl ether	21.7		µg/kg wet		20.0		109	70-130		
4-Methyl-2-pentanone (MIBK)	19.0		µg/kg wet		20.0		95	53.1-132		
Methylene chloride	24.6		µg/kg wet		20.0		123	70-130		
Naphthalene	18.7		µg/kg wet		20.0		94	70-130		
n-Propylbenzene	20.4		µg/kg wet		20.0		102	70-130		
Styrene	20.9		µg/kg wet		20.0		104	70-130		
1,1,1,2-Tetrachloroethane	15.7		µg/kg wet		20.0		79	70-130		
1,1,2,2-Tetrachloroethane	19.2		µg/kg wet		20.0		96	70-130		
Tetrachloroethene	23.0		µg/kg wet		20.0		115	70-130		
Toluene	20.5		µg/kg wet		20.0		103	70-130		
1,2,3-Trichlorobenzene	20.4		µg/kg wet		20.0		102	70-130		
1,2,4-Trichlorobenzene	19.4		µg/kg wet		20.0		97	70-130		
1,3,5-Trichlorobenzene	18.8		µg/kg wet		20.0		94	70-130		
1,1,1-Trichloroethane	17.2		µg/kg wet		20.0		86	70-130		
1,1,2-Trichloroethane	20.5		µg/kg wet		20.0		103	70-130		
Trichloroethene	21.6		µg/kg wet		20.0		108	70-130		
Trichlorofluoromethane (Freon 11)	20.3		µg/kg wet		20.0		102	68.2-130		
1,2,3-Trichloropropane	24.1		µg/kg wet		20.0		121	70-130		
1,2,4-Trimethylbenzene	21.0		µg/kg wet		20.0		105	70-130		
1,3,5-Trimethylbenzene	21.5		µg/kg wet		20.0		107	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 9020086 - SW846 5030 Soil (high level)										
LCS (9020086-BS1)										
Prepared & Analyzed: 02-Feb-09										
m,p-Xylene	40.3		µg/kg wet		40.0		101	70-130		
o-Xylene	21.4		µg/kg wet		20.0		107	70-130		
Tetrahydrofuran	20.5		µg/kg wet		20.0		103	70-130		
Ethyl ether	21.8		µg/kg wet		20.0		109	70-130		
Tert-amyl methyl ether	25.7		µg/kg wet		20.0		128	70-130		
Ethyl tert-butyl ether	13.6	QC2	µg/kg wet		20.0		68	70-130		
Di-isopropyl ether	17.2		µg/kg wet		20.0		86	70-130		
Tert-Butanol / butyl alcohol	217		µg/kg wet		200		108	70-130		
1,4-Dioxane	131		µg/kg wet		200		65	48.7-130		
trans-1,4-Dichloro-2-butene	15.0		µg/kg wet		20.0		75	70-130		
Ethanol	458		µg/kg wet		400		114	70-130		
Surrogate: 4-Bromofluorobenzene	*30.7*		µg/kg wet		*30.0*		*102*	*70-130*		
Surrogate: Toluene-d8	*31.8*		µg/kg wet		*30.0*		*106*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*29.8*		µg/kg wet		*30.0*		*100*	*70-130*		
Surrogate: Dibromofluoromethane	*32.4*		µg/kg wet		*30.0*		*108*	*70-130*		
LCS Dup (9020086-BSD1)										
Prepared & Analyzed: 02-Feb-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	24.3		µg/kg wet		20.0		122	70-130	3	25
Acetone	12.3		µg/kg wet		20.0		61	7.9-168	30	50
Acrylonitrile	19.4		µg/kg wet		20.0		97	70-130	19	25
Benzene	18.2		µg/kg wet		20.0		91	70-130	6	25
Bromobenzene	21.3		µg/kg wet		20.0		106	70-130	6	25
Bromochloromethane	20.9		µg/kg wet		20.0		104	70-130	7	25
Bromodichloromethane	17.4		µg/kg wet		20.0		87	70-130	10	25
Bromoform	16.6		µg/kg wet		20.0		83	70-130	3	25
Bromomethane	18.1		µg/kg wet		20.0		90	50-134	8	50
2-Butanone (MEK)	19.0		µg/kg wet		20.0		95	44.6-130	9	50
n-Butylbenzene	17.2		µg/kg wet		20.0		86	70-130	5	25
sec-Butylbenzene	20.7		µg/kg wet		20.0		103	70-130	5	25
tert-Butylbenzene	21.9		µg/kg wet		20.0		110	70-130	4	25
Carbon disulfide	20.9		µg/kg wet		20.0		104	70-130	7	25
Carbon tetrachloride	14.7		µg/kg wet		20.0		74	70-130	5	25
Chlorobenzene	22.6		µg/kg wet		20.0		113	70-130	3	25
Chloroethane	15.7		µg/kg wet		20.0		79	59.2-130	3	50
Chloroform	21.3		µg/kg wet		20.0		106	70-130	6	25
Chloromethane	16.2		µg/kg wet		20.0		81	70-130	5	25
2-Chlorotoluene	17.9		µg/kg wet		20.0		90	70-130	4	25
4-Chlorotoluene	19.4		µg/kg wet		20.0		97	70-130	4	25
1,2-Dibromo-3-chloropropane	9.4	QC2	µg/kg wet		20.0		47	70-130	4	25
Dibromochloromethane	17.5		µg/kg wet		20.0		87	63.8-130	7	50
1,2-Dibromoethane (EDB)	16.8		µg/kg wet		20.0		84	70-130	13	25
Dibromomethane	19.1		µg/kg wet		20.0		96	70-130	11	25
1,2-Dichlorobenzene	18.2		µg/kg wet		20.0		91	70-130	5	25
1,3-Dichlorobenzene	21.4		µg/kg wet		20.0		107	70-130	7	25
1,4-Dichlorobenzene	19.8		µg/kg wet		20.0		99	70-130	7	25
Dichlorodifluoromethane (Freon12)	13.6		µg/kg wet		20.0		68	41.8-130	3	50
1,1-Dichloroethane	21.6		µg/kg wet		20.0		108	70-130	7	25
1,2-Dichloroethane	20.4		µg/kg wet		20.0		102	70-130	12	25
1,1-Dichloroethene	21.6		µg/kg wet		20.0		108	70-130	7	25
cis-1,2-Dichloroethene	21.2		µg/kg wet		20.0		106	70-130	10	25

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9020086 - SW846 5030 Soil (high level)										
LCS Dup (9020086-BSD1)										
Prepared & Analyzed: 02-Feb-09										
trans-1,2-Dichloroethene	20.2		µg/kg wet		20.0		101	70-130	7	25
1,2-Dichloropropane	17.1		µg/kg wet		20.0		86	70-130	9	25
1,3-Dichloropropane	17.9		µg/kg wet		20.0		89	70-130	6	25
2,2-Dichloropropane	11.0	QC2	µg/kg wet		20.0		55	70-130	5	25
1,1-Dichloropropene	18.6		µg/kg wet		20.0		93	70-130	8	25
cis-1,3-Dichloropropene	13.4	QC1	µg/kg wet		20.0		67	70-130	12	25
trans-1,3-Dichloropropene	11.4	QC2	µg/kg wet		20.0		57	70-130	12	25
Ethylbenzene	19.0		µg/kg wet		20.0		95	70-130	4	25
Hexachlorobutadiene	17.5		µg/kg wet		20.0		87	68.3-130	7	50
2-Hexanone (MBK)	16.6		µg/kg wet		20.0		83	70-130	17	25
Isopropylbenzene	17.0		µg/kg wet		20.0		85	70-130	5	25
4-Isopropyltoluene	18.3		µg/kg wet		20.0		92	70-130	4	25
Methyl tert-butyl ether	19.7		µg/kg wet		20.0		98	70-130	10	25
4-Methyl-2-pentanone (MIBK)	17.8		µg/kg wet		20.0		89	53.1-132	6	50
Methylene chloride	22.6		µg/kg wet		20.0		113	70-130	8	25
Naphthalene	17.1		µg/kg wet		20.0		86	70-130	9	25
n-Propylbenzene	19.4		µg/kg wet		20.0		97	70-130	5	25
Styrene	20.0		µg/kg wet		20.0		100	70-130	4	25
1,1,1,2-Tetrachloroethane	14.9		µg/kg wet		20.0		75	70-130	5	25
1,1,2,2-Tetrachloroethane	18.2		µg/kg wet		20.0		91	70-130	6	25
Tetrachloroethene	21.7		µg/kg wet		20.0		108	70-130	6	25
Toluene	19.1		µg/kg wet		20.0		95	70-130	7	25
1,2,3-Trichlorobenzene	18.8		µg/kg wet		20.0		94	70-130	8	25
1,2,4-Trichlorobenzene	17.6		µg/kg wet		20.0		88	70-130	10	25
1,3,5-Trichlorobenzene	17.6		µg/kg wet		20.0		88	70-130	6	25
1,1,1-Trichloroethane	16.4		µg/kg wet		20.0		82	70-130	5	25
1,1,2-Trichloroethane	18.6		µg/kg wet		20.0		93	70-130	10	25
Trichloroethene	19.8		µg/kg wet		20.0		99	70-130	9	25
Trichlorofluoromethane (Freon 11)	20.0		µg/kg wet		20.0		100	68.2-130	2	50
1,2,3-Trichloropropane	22.5		µg/kg wet		20.0		112	70-130	7	25
1,2,4-Trimethylbenzene	20.0		µg/kg wet		20.0		100	70-130	5	25
1,3,5-Trimethylbenzene	20.4		µg/kg wet		20.0		102	70-130	5	25
Vinyl chloride	19.6		µg/kg wet		20.0		98	70-130	3	25
m,p-Xylene	38.8		µg/kg wet		40.0		97	70-130	4	25
o-Xylene	20.4		µg/kg wet		20.0		102	70-130	5	25
Tetrahydrofuran	17.9		µg/kg wet		20.0		90	70-130	13	25
Ethyl ether	19.8		µg/kg wet		20.0		99	70-130	10	50
Tert-amyl methyl ether	24.1		µg/kg wet		20.0		120	70-130	6	25
Ethyl tert-butyl ether	12.4	QC2	µg/kg wet		20.0		62	70-130	10	25
Di-isopropyl ether	15.8		µg/kg wet		20.0		79	70-130	9	25
Tert-Butanol / butyl alcohol	180		µg/kg wet		200		90	70-130	19	25
1,4-Dioxane	198	QR2	µg/kg wet		200		99	48.7-130	41	25
trans-1,4-Dichloro-2-butene	13.9	QC1	µg/kg wet		20.0		69	70-130	7	25
Ethanol	348		µg/kg wet		400		87	70-130	27	30
Surrogate: 4-Bromofluorobenzene	*30.5*		µg/kg wet		*30.0*		*102*	*70-130*		
Surrogate: Toluene-d8	*31.7*		µg/kg wet		*30.0*		*106*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*28.9*		µg/kg wet		*30.0*		*96*	*70-130*		
Surrogate: Dibromofluoromethane	*31.3*		µg/kg wet		*30.0*		*104*	*70-130*		
Matrix Spike (9020086-MS1) **Source: SA90388-03**										
Prepared: 02-Feb-09 Analyzed: 03-Feb-09										

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9020086 - SW846 5030 Soil (high level)										
Matrix Spike (9020086-MS1) **Source: SA90388-03**										
Prepared: 02-Feb-09 Analyzed: 03-Feb-09										
Benzene	20.0		µg/kg dry		20.0	BRL	100	70-130		
Chlorobenzene	24.7		µg/kg dry		20.0	BRL	124	70-130		
1,1-Dichloroethene	21.5		µg/kg dry		20.0	BRL	108	70-130		
Toluene	21.4		µg/kg dry		20.0	0.8	103	70-130		
Trichloroethene	21.3		µg/kg dry		20.0	BRL	106	70-130		
Surrogate: 4-Bromofluorobenzene	*32.3*		µg/kg dry		*30.0*		*108*	*70-130*		
Surrogate: Toluene-d8	*32.4*		µg/kg dry		*30.0*		*108*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*31.1*		µg/kg dry		*30.0*		*104*	*70-130*		
Surrogate: Dibromofluoromethane	*31.0*		µg/kg dry		*30.0*		*104*	*70-130*		
Matrix Spike Dup (9020086-MSD1) **Source: SA90388-03**										
Prepared: 02-Feb-09 Analyzed: 03-Feb-09										
Benzene	20.7		µg/kg dry		20.0	BRL	104	70-130	3	30
Chlorobenzene	25.7		µg/kg dry		20.0	BRL	128	70-130	4	30
1,1-Dichloroethene	23.1		µg/kg dry		20.0	BRL	115	70-130	7	30
Toluene	22.4		µg/kg dry		20.0	0.8	108	70-130	5	30
Trichloroethene	22.3		µg/kg dry		20.0	BRL	112	70-130	5	30
Surrogate: 4-Bromofluorobenzene	*32.7*		µg/kg dry		*30.0*		*109*	*70-130*		
Surrogate: Toluene-d8	*32.6*		µg/kg dry		*30.0*		*109*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*31.3*		µg/kg dry		*30.0*		*104*	*70-130*		
Surrogate: Dibromofluoromethane	*32.5*		µg/kg dry		*30.0*		*108*	*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 9020005 - SW846 3545A										
Blank (9020005-BLK1)										
Prepared & Analyzed: 02-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 9020005 - SW846 3545A										
Blank (9020005-BLK1)										
Prepared & Analyzed: 02-Feb-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	*2570*		µg/kg wet		*3330*		*77*	*30-130*		
Surrogate: 2-Fluorophenol	*2390*		µg/kg wet		*3330*		*72*	*15-110*		
Surrogate: Nitrobenzene-d5	*2540*		µg/kg wet		*3330*		*76*	*30-130*		
Surrogate: Phenol-d5	*2510*		µg/kg wet		*3330*		*75*	*15-110*		
Surrogate: Terphenyl-dl4	*2060*		µg/kg wet		*3330*		*62*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*2200*		µg/kg wet		*3330*		*66*	*15-110*		
LCS (9020005-BS1)										
Prepared & Analyzed: 02-Feb-09										
Acenaphthene	2640		µg/kg wet	330	3330		79	40-130		
Acenaphthylene	2600		µg/kg wet	330	3330		78	40-130		
Aniline	95.3	QC2	µg/kg wet	330	3330		3	40-130		
Anthracene	2890		µg/kg wet	330	3330		87	40-130		
Atrazine	3030		µg/kg wet	330	3330		91	40-130		
Azobenzene/Diphenyldiazine	3090		µg/kg wet	330	3330		93	40-130		
Benzidine	58.7		µg/kg wet	330	3330		2	0-130		
Benzo (a) anthracene	2140		µg/kg wet	330	3330		64	40-130		
Benzo (a) pyrene	2550		µg/kg wet	330	3330		76	40-130		
Benzo (b) fluoranthene	2170		µg/kg wet	330	3330		65	40-130		
Benzo (g,h,i) perylene	2480		µg/kg wet	330	3330		74	40-130		
Benzo (k) fluoranthene	3130		µg/kg wet	330	3330		94	40-130		
Benzoic acid	2570		µg/kg wet	330	3330		77	19.5-130		
Benzyl alcohol	2460		µg/kg wet	330	3330		74	40-130		
Bis(2-chloroethoxy)methane	2910		µg/kg wet	330	3330		87	40-130		
Bis(2-chloroethyl)ether	2960		µg/kg wet	330	3330		89	40-130		

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9020005 - SW846 3545A										
LCS (9020005-BS1)										
Prepared & Analyzed: 02-Feb-09										
Bis(2-chloroisopropyl)ether	2740		µg/kg wet	330	3330		82	40-130		
Bis(2-ethylhexyl)phthalate	2770		µg/kg wet	330	3330		83	40-130		
4-Bromophenyl phenyl ether	2900		µg/kg wet	330	3330		87	40-130		
Butyl benzyl phthalate	2660		µg/kg wet	330	3330		80	40-130		
Carbazole	4310		µg/kg wet	330	3330		129	40-130		
4-Chloro-3-methylphenol	2930		µg/kg wet	330	3330		88	40-130		
4-Chloroaniline	294	QC2	µg/kg wet	330	3330		9	40-130		
2-Chloronaphthalene	2390		µg/kg wet	330	3330		72	40-130		
2-Chlorophenol	2420		µg/kg wet	330	3330		73	40-130		
4-Chlorophenyl phenyl ether	2840		µg/kg wet	330	3330		85	40-130		
Chrysene	2380		µg/kg wet	330	3330		72	40-130		
Dibenzo (a,h) anthracene	2590		µg/kg wet	330	3330		78	40-130		
Dibenzofuran	2600		µg/kg wet	330	3330		78	40-130		
1,2-Dichlorobenzene	2430		µg/kg wet	330	3330		73	40-130		
1,3-Dichlorobenzene	1950		µg/kg wet	330	3330		58	40-130		
1,4-Dichlorobenzene	2570		µg/kg wet	330	3330		77	40-130		
3,3'-Dichlorobenzidine	BRL	QC2	µg/kg wet	330	3330			40-130		
2,4-Dichlorophenol	2440		µg/kg wet	330	3330		73	40-130		
Diethyl phthalate	2890		µg/kg wet	330	3330		87	40-130		
Dimethyl phthalate	2760		µg/kg wet	330	3330		83	40-130		
2,4-Dimethylphenol	2360		µg/kg wet	330	3330		71	40-130		
Di-n-butyl phthalate	3250		µg/kg wet	330	3330		97	40-130		
4,6-Dinitro-2-methylphenol	2550		µg/kg wet	330	3330		77	40-130		
2,4-Dinitrophenol	2570		µg/kg wet	330	3330		77	40-130		
2,4-Dinitrotoluene	2600		µg/kg wet	330	3330		78	40-130		
2,6-Dinitrotoluene	2610		µg/kg wet	330	3330		78	40-130		
Di-n-octyl phthalate	3250		µg/kg wet	330	3330		97	40-130		
Fluoranthene	2770		µg/kg wet	330	3330		83	40-130		
Fluorene	2760		µg/kg wet	330	3330		83	40-130		
Hexachlorobenzene	2540		µg/kg wet	330	3330		76	40-130		
Hexachlorobutadiene	2400		µg/kg wet	330	3330		72	40-130		
Hexachlorocyclopentadiene	1910		µg/kg wet	330	3330		57	40-130		
Hexachloroethane	2410		µg/kg wet	330	3330		72	40-130		
Indeno (1,2,3-cd) pyrene	2590		µg/kg wet	330	3330		78	40-130		
Isophorone	2640		µg/kg wet	330	3330		79	40-130		
1-Methylnaphthalene	2740		µg/kg wet	330	3330		82	40-140		
2-Methylnaphthalene	2470		µg/kg wet	330	3330		74	40-130		
2-Methylphenol	2500		µg/kg wet	330	3330		75	40-130		
3 & 4-Methylphenol	2850		µg/kg wet	330	3330		86	40-130		
Naphthalene	2570		µg/kg wet	330	3330		77	40-130		
2-Nitroaniline	2630		µg/kg wet	330	3330		79	40-130		
3-Nitroaniline	1600		µg/kg wet	330	3330		48	40-130		
4-Nitroaniline	2330		µg/kg wet	1320	3330		70	40-130		
Nitrobenzene	3000		µg/kg wet	330	3330		90	40-130		
2-Nitrophenol	2490		µg/kg wet	330	3330		75	40-130		
4-Nitrophenol	2730		µg/kg wet	1320	3330		82	40-130		
N-Nitrosodimethylamine	2810		µg/kg wet	330	3330		84	40-130		
N-Nitrosodi-n-propylamine	2860		µg/kg wet	330	3330		86	40-130		
N-Nitrosodiphenylamine	2910		µg/kg wet	330	3330		87	40-130		

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9020005 - SW846 3545A										
LCS (9020005-BS1)										
Prepared & Analyzed: 02-Feb-09										
Pentachlorophenol	2410		µg/kg wet	330	3330		72	40-130		
Phenanthrene	2710		µg/kg wet	330	3330		81	40-130		
Phenol	2370		µg/kg wet	330	3330		71	40-130		
Pyrene	2230		µg/kg wet	330	3330		67	40-130		
Pyridine	143		µg/kg wet	330	3330		4	0-130		
1,2,4-Trichlorobenzene	2230		µg/kg wet	330	3330		67	40-130		
2,4,5-Trichlorophenol	2860		µg/kg wet	330	3330		86	40-130		
2,4,6-Trichlorophenol	2200		µg/kg wet	330	3330		66	40-130		
Pentachloronitrobenzene	3420		µg/kg wet	330	3330		102	40-140		
1,2,4,5-Tetrachlorobenzene	2190		µg/kg wet	330	3330		66	40-140		
Surrogate: 2-Fluorobiphenyl	*2400*		µg/kg wet		*3330*		*72*	*30-130*		
Surrogate: 2-Fluorophenol	*2010*		µg/kg wet		*3330*		*60*	*15-110*		
Surrogate: Nitrobenzene-d5	*2630*		µg/kg wet		*3330*		*79*	*30-130*		
Surrogate: Phenol-d5	*1870*		µg/kg wet		*3330*		*56*	*15-110*		
Surrogate: Terphenyl-d14	*1920*		µg/kg wet		*3330*		*58*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*2810*		µg/kg wet		*3330*		*84*	*15-110*		
Duplicate (9020005-DUP1)	**Source: SA90423-05**									
Prepared & Analyzed: 02-Feb-09										
Acenaphthene	BRL		µg/kg dry	715		BRL				50
Acenaphthylene	BRL		µg/kg dry	715		BRL				50
Aniline	BRL		µg/kg dry	715		BRL				50
Anthracene	BRL		µg/kg dry	715		BRL				50
Atrazine	BRL		µg/kg dry	715		BRL				50
Azobenzene/Diphenyldiazine	BRL		µg/kg dry	715		BRL				50
Benzidine	BRL		µg/kg dry	715		BRL				50
Benzo (a) anthracene	BRL		µg/kg dry	715		BRL				50
Benzo (a) pyrene	BRL		µg/kg dry	715		BRL				50
Benzo (b) fluoranthene	BRL		µg/kg dry	715		BRL				50
Benzo (g,h,i) perylene	BRL		µg/kg dry	715		BRL				50
Benzo (k) fluoranthene	BRL		µg/kg dry	715		BRL				50
Benzoic acid	BRL		µg/kg dry	715		BRL				50
Benzyl alcohol	BRL		µg/kg dry	715		BRL				50
Bis(2-chloroethoxy)methane	BRL		µg/kg dry	715		BRL				50
Bis(2-chloroethyl)ether	BRL		µg/kg dry	715		BRL				50
Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	715		BRL				50
Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	715		BRL				50
4-Bromophenyl phenyl ether	BRL		µg/kg dry	715		BRL				50
Butyl benzyl phthalate	BRL		µg/kg dry	715		BRL				50
Carbazole	BRL		µg/kg dry	715		BRL				50
4-Chloro-3-methylphenol	BRL		µg/kg dry	715		BRL				50
4-Chloroaniline	BRL		µg/kg dry	715		BRL				50
2-Chloronaphthalene	BRL		µg/kg dry	715		BRL				50
2-Chlorophenol	BRL		µg/kg dry	715		BRL				50
4-Chlorophenyl phenyl ether	BRL		µg/kg dry	715		BRL				50
Chrysene	BRL		µg/kg dry	715		BRL				50
Dibenzo (a,h) anthracene	BRL		µg/kg dry	715		BRL				50
Dibenzofuran	BRL		µg/kg dry	715		BRL				50
1,2-Dichlorobenzene	BRL		µg/kg dry	715		BRL				50
1,3-Dichlorobenzene	BRL		µg/kg dry	715		BRL				50
1,4-Dichlorobenzene	BRL		µg/kg dry	715		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 9020693 - SW846 3535										
Blank (9020693-BLK1)										
Prepared & Analyzed: 10-Feb-09										
Anthracene	BRL		µg/l	0.200						
Benzo (a) anthracene	BRL		µg/l	0.200						
Benzo (a) pyrene	BRL		µg/l	0.200						
Benzo (b) fluoranthene	BRL		µg/l	0.200						
Benzo (g,h,i) perylene	BRL		µg/l	0.200						
Benzo (k) fluoranthene	BRL		µg/l	0.200						
Chrysene	BRL		µg/l	0.200						
Dibenzo (a,h) anthracene	BRL		µg/l	0.200						
Fluoranthene	BRL		µg/l	0.200						
Fluorene	BRL		µg/l	0.200						
Indeno (1,2,3-cd) pyrene	BRL		µg/l	0.200						
2-Methylnaphthalene	BRL		µg/l	0.200						
Naphthalene	BRL		µg/l	0.200						
Phenanthrene	BRL		µg/l	0.200						
Pyrene	BRL		µg/l	0.200						
Surrogate: 2-Fluorobiphenyl	*49.6*		µg/l		*62.5*		*79*	*30-130*		
Surrogate: Terphenyl-dl4	*39.8*		µg/l		*62.5*		*64*	*30-130*		
LCS (9020693-BS1)										
Prepared & Analyzed: 10-Feb-09										
Acenaphthene	52.0		µg/l	0.200	62.5		83	40-140		
Acenaphthylene	50.4		µg/l	0.200	62.5		81	40-140		
1-Methylnaphthalene	52.6		µg/l	0.200	62.5		84	40-140		
Anthracene	55.9		µg/l	0.200	62.5		89	40-140		
Benzo (a) anthracene	48.0		µg/l	0.200	62.5		77	40-140		
Benzo (a) pyrene	52.7		µg/l	0.200	62.5		84	40-140		
Benzo (b) fluoranthene	57.4		µg/l	0.200	62.5		92	40-140		
Benzo (g,h,i) perylene	53.0		µg/l	0.200	62.5		85	40-140		
Benzo (k) fluoranthene	45.6		µg/l	0.200	62.5		73	40-140		
Chrysene	47.2		µg/l	0.200	62.5		76	40-140		
Dibenzo (a,h) anthracene	51.4		µg/l	0.200	62.5		82	40-140		
Fluoranthene	56.4		µg/l	0.200	62.5		90	40-140		
Fluorene	51.6		µg/l	0.200	62.5		83	40-140		
Indeno (1,2,3-cd) pyrene	52.7		µg/l	0.200	62.5		84	40-140		
2-Methylnaphthalene	49.3		µg/l	0.200	62.5		79	40-140		
Naphthalene	49.9		µg/l	0.200	62.5		80	40-140		
Phenanthrene	56.9		µg/l	0.200	62.5		91	40-140		
Pyrene	50.0		µg/l	0.200	62.5		80	40-140		
Surrogate: 2-Fluorobiphenyl	*48.0*		µg/l		*62.5*		*77*	*30-130*		
Surrogate: Terphenyl-dl4	*45.4*		µg/l		*62.5*		*73*	*30-130*		
Duplicate (9020693-DUP1)	**Source: SA90388-01**									
Prepared & Analyzed: 10-Feb-09										
Acenaphthene	BRL		µg/l	0.200		BRL				50
Acenaphthylene	BRL		µg/l	0.200		BRL				50
1-Methylnaphthalene	BRL		µg/l	0.200		BRL				50
Anthracene	BRL		µg/l	0.200		BRL				50
Benzo (a) anthracene	BRL		µg/l	0.200		BRL				50
Benzo (a) pyrene	BRL		µg/l	0.200		BRL				50
Benzo (b) fluoranthene	BRL		µg/l	0.200		BRL				50
Benzo (g,h,i) perylene	BRL		µg/l	0.200		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 9020693 - SW846 3535										
Duplicate (9020693-DUP1)	**Source: SA90388-01**									
Prepared & Analyzed: 10-Feb-09										
Benzo (k) fluoranthene	BRL		µg/l	0.200		BRL				50
Chrysene	BRL		µg/l	0.200		BRL				50
Dibenzo (a,h) anthracene	BRL		µg/l	0.200		BRL				50
Fluoranthene	BRL		µg/l	0.200		BRL				50
Fluorene	BRL		µg/l	0.200		BRL				50
Indeno (1,2,3-cd) pyrene	BRL		µg/l	0.200		BRL				50
2-Methylnaphthalene	BRL		µg/l	0.200		BRL				50
Naphthalene	BRL		µg/l	0.200		BRL				50
Phenanthrene	BRL		µg/l	0.200		BRL				50
Pyrene	BRL		µg/l	0.200		BRL				50
Surrogate: 2-Fluorobiphenyl	*41.3*		µg/l		*62.5*		*66*	*30-130*		
Surrogate: Terphenyl-dl4	*36.2*		µg/l		*62.5*		*58*	*30-130*		

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) [2	*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 9020006 - SW846 3550B										
Blank (9020006-BLK1)										
Prepared: 02-Feb-09 Analyzed: 03-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	*2.59*		mg/kg wet		*3.33*		*78*	*50-150*		
LCS (9020006-BS1)										
Prepared: 02-Feb-09 Analyzed: 03-Feb-09										
C9-C36 Aliphatic Hydrocarbons	62.3		mg/kg wet	13.3	93.3		67	60-120		
Surrogate: 1-Chlorooctadecane	*2.55*		mg/kg wet		*3.33*		*77*	*50-150*		
Duplicate (9020006-DUP1) **Source: SA90396-01**										
Prepared: 02-Feb-09 Analyzed: 03-Feb-09										
Gasoline	BRL		mg/kg dry	27.8		BRL				50
Fuel Oil #2	BRL		mg/kg dry	27.8		BRL				50
Fuel Oil #4	BRL		mg/kg dry	27.8		BRL				50
Fuel Oil #6	BRL		mg/kg dry	27.8		BRL				50
Motor Oil	BRL		mg/kg dry	27.8		BRL				50
Aviation Fuel	BRL		mg/kg dry	27.8		BRL				50
Unidentified	BRL		mg/kg dry	27.8		BRL				50
Other Oil	BRL		mg/kg dry	27.8		BRL				50
Total Petroleum Hydrocarbons	BRL		mg/kg dry	27.8		BRL				50
C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	27.8		BRL				50
Surrogate: 1-Chlorooctadecane	*2.87*		mg/kg dry		*3.48*		*82*	*50-150*		
Matrix Spike (9020006-MS1) **Source: SA90396-01**										
Prepared: 02-Feb-09 Analyzed: 03-Feb-09										
C9-C36 Aliphatic Hydrocarbons	58.0		mg/kg dry	13.6	95.6	BRL	61	50-150		
Surrogate: 1-Chlorooctadecane	*2.13*		mg/kg dry		*3.41*		*62*	*50-150*		
Matrix Spike Dup (9020006-MSD1) **Source: SA90396-01**										
Prepared: 02-Feb-09 Analyzed: 03-Feb-09										
C9-C36 Aliphatic Hydrocarbons	62.2		mg/kg dry	14.0	97.9	BRL	64	50-150	5	30
Surrogate: 1-Chlorooctadecane	*2.59*		mg/kg dry		*3.50*		*74*	*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 9011923 - SW846 3050B										
Blank (9011923-BLK1)										
Prepared: 02-Feb-09 Analyzed: 03-Feb-09										
Lead	BRL		mg/kg wet	1.50						
Selenium	BRL		mg/kg wet	1.50						
Chromium	BRL		mg/kg wet	1.00						
Silver	BRL		mg/kg wet	1.50						
Arsenic	BRL		mg/kg wet	1.50						
Cadmium	BRL		mg/kg wet	0.500						
Barium	BRL		mg/kg wet	1.00						
Duplicate (9011923-DUP1)	**Source: SA90388-01**									
Prepared: 02-Feb-09 Analyzed: 03-Feb-09										
Lead	153		mg/kg dry	1.86		184			19	20
Selenium	BRL		mg/kg dry	1.86		0.609				20
Chromium	11.2		mg/kg dry	1.24		10.8			4	20
Silver	BRL		mg/kg dry	1.86		BRL				20
Arsenic	24.7	QR6	mg/kg dry	1.86		34.5			33	20
Cadmium	0.854		mg/kg dry	0.619		0.929			8	20
Barium	63.3	QR6	mg/kg dry	1.24		83.9			28	20
Matrix Spike (9011923-MS1)	**Source: SA90388-02**									
Prepared: 02-Feb-09 Analyzed: 03-Feb-09										
Selenium	141		mg/kg dry	1.69	141	0.516	100	75-125		
Lead	220		mg/kg dry	1.69	141	92.0	91	75-125		
Arsenic	147		mg/kg dry	1.69	141	5.92	100	75-125		
Cadmium	138		mg/kg dry	0.563	141	0.521	98	75-125		
Silver	142		mg/kg dry	1.69	141	BRL	101	75-125		
Chromium	152		mg/kg dry	1.13	141	11.3	100	75-125		
Barium	208		mg/kg dry	1.13	141	67.2	100	75-125		
Matrix Spike Dup (9011923-MSD1)	**Source: SA90388-02**									
Prepared: 02-Feb-09 Analyzed: 03-Feb-09										
Selenium	143		mg/kg dry	1.73	144	0.516	99	75-125	2	20
Lead	215		mg/kg dry	1.73	144	92.0	85	75-125	2	20
Silver	144		mg/kg dry	1.73	144	BRL	100	75-125	1	20
Arsenic	147		mg/kg dry	1.73	144	5.92	98	75-125	0.07	20
Cadmium	141		mg/kg dry	0.575	144	0.521	98	75-125	2	20
Chromium	153		mg/kg dry	1.15	144	11.3	99	75-125	1	20
Barium	208		mg/kg dry	1.15	144	67.2	98	75-125	0.04	20
Post Spike (9011923-PS1)	**Source: SA90388-02**									
Prepared: 02-Feb-09 Analyzed: 03-Feb-09										
Selenium	135		mg/kg dry	1.61	135	0.516	100	80-120		
Lead	209		mg/kg dry	1.61	135	92.0	87	80-120		
Silver	136		mg/kg dry	1.61	135	BRL	101	80-120		
Arsenic	139		mg/kg dry	1.61	135	5.92	99	80-120		
Chromium	144		mg/kg dry	1.08	135	11.3	98	80-120		
Cadmium	134		mg/kg dry	0.538	135	0.521	99	80-120		
Barium	192		mg/kg dry	1.08	135	67.2	93	80-120		
Reference (9011923-SRM1)										
Prepared: 02-Feb-09 Analyzed: 03-Feb-09										
Selenium	99.8		mg/kg wet	1.50	101		99	76.8-123.2		
Lead	34.5		mg/kg wet	1.50	37.2		93	77.5-122.4		

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 9011923 - SW846 3050B										
Reference (9011923-SRM1)										
Prepared: 02-Feb-09 Analyzed: 03-Feb-09										
Silver	25.3		mg/kg wet	1.50	23.9		106	66.3-133.7		
Chromium	38.1		mg/kg wet	1.00	38.9		98	80.6-119.3		
Arsenic	79.5		mg/kg wet	1.50	79.6		100	79.5-120.5		
Cadmium	64.8		mg/kg wet	0.500	72.0		90	80.9-119.9		
Barium	194		mg/kg wet	1.00	185		105	82.6-117.1		
Reference (9011923-SRM2)										
Prepared: 02-Feb-09 Analyzed: 03-Feb-09										
Selenium	93.6		mg/kg wet	1.50	99.5		94	76.8-123.2		
Lead	33.4		mg/kg wet	1.50	36.6		91	77.5-122.4		
Chromium	36.0		mg/kg wet	1.00	38.3		94	80.6-119.3		
Arsenic	73.1		mg/kg wet	1.50	78.4		93	79.5-120.5		
Silver	21.8		mg/kg wet	1.50	23.6		93	66.3-133.7		
Cadmium	64.0		mg/kg wet	0.500	70.9		90	80.9-119.9		
Barium	175		mg/kg wet	1.00	182		96	82.6-117.1		
Batch 9011924 - EPA200/SW7000 Series										
Blank (9011924-BLK1)										
Prepared: 02-Feb-09 Analyzed: 03-Feb-09										
Mercury	BRL		mg/kg wet	0.0298						
Duplicate (9011924-DUP1) **Source: SA90388-01**										
Prepared: 02-Feb-09 Analyzed: 03-Feb-09										
Mercury	0.388	QR6	mg/kg dry	0.0367		0.491			24	20
Matrix Spike (9011924-MS1) **Source: SA90388-02**										
Prepared: 02-Feb-09 Analyzed: 03-Feb-09										
Mercury	0.863		mg/kg dry	0.0316	0.439	0.372	112	75-125		
Matrix Spike Dup (9011924-MSD1) **Source: SA90388-02**										
Prepared: 02-Feb-09 Analyzed: 03-Feb-09										
Mercury	0.942		mg/kg dry	0.0341	0.474	0.372	120	75-125	9	20
Reference (9011924-SRM1)										
Prepared: 02-Feb-09 Analyzed: 03-Feb-09										
Mercury	3.19		mg/kg wet	0.0300	3.06		104	66-135		

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 9020684 - SW846 3010A										
Blank (9020684-BLK1)										
Prepared: 10-Feb-09 Analyzed: 11-Feb-09										
Lead	BRL		mg/l	0.0150						
LCS (9020684-BS1)										
Prepared: 10-Feb-09 Analyzed: 11-Feb-09										
Lead	2.66		mg/l	0.0150	2.50		106	85-115		
LCS Dup (9020684-BSD1)										
Prepared: 10-Feb-09 Analyzed: 11-Feb-09										
Lead	2.67		mg/l	0.0150	2.50		107	85-115	0.3	20
Duplicate (9020684-DUP1) **Source: SA90745-02**										
Prepared: 10-Feb-09 Analyzed: 11-Feb-09										
Lead	1.04		mg/l	0.0150		0.999			4	20
Matrix Spike (9020684-MS1) **Source: SA90745-06**										
Prepared: 10-Feb-09 Analyzed: 11-Feb-09										
Lead	2.75		mg/l	0.0150	2.50	0.135	105	75-125		
Matrix Spike Dup (9020684-MSD1) **Source: SA90745-06**										
Prepared: 10-Feb-09 Analyzed: 11-Feb-09										
Lead	2.76		mg/l	0.0150	2.50	0.135	105	75-125	0.2	20
Post Spike (9020684-PS1) **Source: SA90745-06**										
Prepared: 10-Feb-09 Analyzed: 11-Feb-09										
Lead	2.80		mg/l	0.0150	2.50	0.135	106	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 9020682 - SW846 3010A										
Blank (9020682-BLK1)										
Prepared & Analyzed: 10-Feb-09										
Lead	BRL		mg/l	0.0075						
Arsenic	BRL		mg/l	0.0040						
Cadmium	BRL		mg/l	0.0025						
Chromium	BRL		mg/l	0.0050						
LCS (9020682-BS1)										
Prepared & Analyzed: 10-Feb-09										
Lead	1.15		mg/l	0.0075	1.25		92	85-115		
Arsenic	1.22		mg/l	0.0040	1.25		97	85-115		
Cadmium	1.21		mg/l	0.0025	1.25		97	85-115		
Chromium	1.20		mg/l	0.0050	1.25		96	85-115		
LCS Dup (9020682-BSD1)										
Prepared & Analyzed: 10-Feb-09										
Lead	1.13		mg/l	0.0075	1.25		91	85-115	1	20
Arsenic	1.20		mg/l	0.0040	1.25		96	85-115	1	20
Cadmium	1.20		mg/l	0.0025	1.25		96	85-115	1	20
Chromium	1.20		mg/l	0.0050	1.25		96	85-115	0.3	20
Duplicate (9020682-DUP1)	**Source: SA90388-01**									
Prepared & Analyzed: 10-Feb-09										
Lead	0.0094		mg/l	0.0075		0.0099			6	20
Arsenic	BRL		mg/l	0.0040		BRL				20
Cadmium	BRL		mg/l	0.0025		BRL				20
Chromium	BRL		mg/l	0.0050		BRL				20
Matrix Spike (9020682-MS1)	**Source: SA90703-28**									
Prepared & Analyzed: 10-Feb-09										
Lead	1.12		mg/l	0.0075	1.25	BRL	90	75-125		
Chromium	1.15		mg/l	0.0050	1.25	BRL	92	75-125		
Arsenic	1.22		mg/l	0.0040	1.25	BRL	97	75-125		
Cadmium	1.20		mg/l	0.0025	1.25	BRL	96	75-125		
Matrix Spike Dup (9020682-MSD1)	**Source: SA90703-28**									
Prepared & Analyzed: 10-Feb-09										
Lead	1.13		mg/l	0.0075	1.25	BRL	91	75-125	0.9	20
Chromium	1.17		mg/l	0.0050	1.25	BRL	93	75-125	1	20
Arsenic	1.23		mg/l	0.0040	1.25	BRL	99	75-125	1	20
Cadmium	1.21		mg/l	0.0025	1.25	BRL	97	75-125	1	20
Post Spike (9020682-PS1)	**Source: SA90703-28**									
Prepared & Analyzed: 10-Feb-09										
Lead	1.14		mg/l	0.0075	1.25	BRL	91	75-125		
Chromium	1.17		mg/l	0.0050	1.25	BRL	93	75-125		
Cadmium	1.22		mg/l	0.0025	1.25	BRL	97	75-125		
Arsenic	1.24		mg/l	0.0040	1.25	BRL	99	75-125		
Batch 9020683 - EPA200/SW7000 Series										
Blank (9020683-BLK1)										
Prepared & Analyzed: 10-Feb-09										
Mercury	BRL		mg/l	0.00020						
LCS (9020683-BS1)										
Prepared & Analyzed: 10-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 9020683 - EPA200/SW7000 Series										
LCS (9020683-BS1)										
Prepared & Analyzed: 10-Feb-09										
Mercury	0.00474		mg/l	0.00020	0.00500		95	56.1-122		
Duplicate (9020683-DUP1)	**Source: SA90388-01**									
Prepared & Analyzed: 10-Feb-09										
Mercury	BRL		mg/l	0.00020		BRL				20
Matrix Spike (9020683-MS1)	**Source: SA90580-04**									
Prepared & Analyzed: 10-Feb-09										
Mercury	0.00485		mg/l	0.00020	0.00500	BRL	97	59.8-119		
Matrix Spike Dup (9020683-MSD1)	**Source: SA90580-04**									
Prepared & Analyzed: 10-Feb-09										
Mercury	0.00479		mg/l	0.00020	0.00500	BRL	96	59.8-119	1	20
Post Spike (9020683-PS1)	**Source: SA90580-04**									
Prepared & Analyzed: 10-Feb-09										
Mercury	0.00476		mg/l	0.00020	0.00500	BRL	95	72.4-113		

General Chemistry Parameters - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9011937 - General Preparation										
Duplicate (9011937-DUP1)	**Source: SA90388-01**									
Prepared & Analyzed: 29-Jan-09										
% Solids	77.9		%			77.2			0.9	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.
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.
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 90388 01C

SPECTRUM ANALYTICAL, INC.
Powering
HANDHELD 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
150 Trumbull St. 4th Fl.
Hartford, CT 06103

Project Mgr.: David Brassard

Invoice To: DAS #44236

P.O. No.: _____ RQN: _____

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

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

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analyses: VOC 8260	SVOC 8270	CT ETPH	PCB 8082	Herbicides 8151	Total RCRA 8 Metals	QA Reporting Notes: (check if needed)
SA90388-01	RSB-C11	1/27/09	1330	G	SO	4	3	2			X	X	X	X	X	X	
02	RSB-C12	"	1100	"	"	"	"	"			"	"	"	"	"	"	
03	RSB-C13	"	930	"	"	"	"	"			"	"	"	"	"	"	
04	RSB-C14	"	830	"	"	"	"	"			"	"	"	"	"	"	

- [ ] 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

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

Condition upon receipt: [ ] Iced [ ] Ambient [ ] °C 3°

Relinquished by:	Received by:	Date:	Time:
David S. Brassard		12809	930
		1/28/09	1305

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

SA 90388 OK

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling: Q

- ☒ 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
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 Busway
Location: Newington 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

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	TCLP Pb	SPLP RCRAS	SPLP PAHs
SA90388-01	RSB-C11	1/27/09	1330	G	SO	7	3	2				X	X	X	X	X	X	✓	✓	✓
02	RSB-C12	↓	1100	↓	↓	↓	↓	↓				↓	↓	↓	↓	↓	↓			
03	RSB-C13	↓	930	↓	↓	↓	↓	↓				↓	↓	↓	↓	↓	↓			
04	RSB-C14	↓	830	↓	↓	↓	↓	↓				↓	↓	↓	↓	↓	↓			

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

ADDED ANALYSIS 2/6/09 See attached

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

Condition upon receipt: ☐ Iced ☐ Ambient ☐ °C 3°

Relinquished by:	Received by:	Date:	Time:
Patrick S. de Paula	[signature]	12809	930
[signature]	[signature]	1/28/09	1305

Report Date:
13-Feb-09 12:26

☑ 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 - Newington, CT
Project 127-17797-08011

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SA90345-01	RSB-C15	Soil	26-Jan-09 14:00	27-Jan-09 15:15
SA90345-02	RSB-C16	Soil	26-Jan-09 12:30	27-Jan-09 15:15
SA90345-03	RSB-C17	Soil	26-Jan-09 10:30	27-Jan-09 15:15
SA90345-04	RSB-C18	Soil	26-Jan-09 09:00	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 52 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 5.3 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.

Sample SA90345-04 (RSB-C18) did not contain enough sample to analyze for TCLP at the required weight of 100 grams. Per client instructions, the sample was prepared with the remaining contents of the sample container. The final sample weight used for SA90345-04 was 28.70 grams.

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

SW846 1311/6010B

Duplicates:

9020572-DUP1 *Source: SA90629-01*

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

Lead

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:

SA90345-01 *RSB-C15*

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

1,2-Dichloroethane-d4

SW846 8270C

Laboratory Control Samples:

9012003-BS1

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

Aniline

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C15 SA90345-01	127-17797-08011	Soil	26-Jan-09 14:00	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: 6.07 g					
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	6.1	1	SW846 8260B	29-Jan-09	29-Jan-09	9011897	X
67-64-1	Acetone	BRL		µg/kg dry	61.3	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	6.1	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	6.1	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	6.1	1	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	6.1	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	6.1	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	6.1	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	12.3	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	61.3	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	6.1	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	6.1	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	6.1	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	30.6	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	6.1	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	6.1	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	12.3	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	6.1	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	12.3	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	6.1	1	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	6.1	1	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	12.3	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	6.1	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	6.1	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	6.1	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	6.1	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	6.1	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	6.1	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	12.3	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	6.1	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	6.1	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	6.1	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	6.1	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	6.1	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	6.1	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	6.1	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	6.1	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	6.1	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	6.1	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	6.1	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	6.1	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	6.1	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	61.3	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	6.1	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	6.1	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	6.1	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	61.3	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	61.3	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	6.1	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C15 SA90345-01	127-17797-08011	Soil	26-Jan-09 14:00	27-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
Volatile Organic Compounds					Initial weight: 6.07 g						
Prepared by method SW846 5035A Soil (low level)											
103-65-1	n-Propylbenzene	BRL		µg/kg dry	6.1	1	SW846 8260B	29-Jan-09	29-Jan-09	9011897	X
100-42-5	Styrene	BRL		µg/kg dry	6.1	1	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	6.1	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	6.1	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	6.1	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	6.1	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	6.1	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	6.1	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	6.1	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	6.1	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	6.1	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	6.1	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	6.1	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	6.1	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	6.1	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	6.1	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	6.1	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	12.3	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	6.1	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	61.3	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	6.1	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	6.1	1	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	6.1	1	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	6.1	1	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	61.3	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	123	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	30.6	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	2450	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*	*131*	SGC	*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*104*		*70-130 %*			"	"	"	"	
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
83-32-9	Acenaphthene	BRL		µg/kg dry	401	1	SW846 8270C	30-Jan-09	01-Feb-09	9012003	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	401	1	"	"	"	"	X
62-53-3	Aniline	BRL		µg/kg dry	401	1	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	401	1	"	"	"	"	X
1912-24-9	Atrazine	BRL		µg/kg dry	401	1	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/kg dry	401	1	"	"	"	"	
92-87-5	Benzidine	BRL		µg/kg dry	401	1	"	"	"	"	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	401	1	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	401	1	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	401	1	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	401	1	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	401	1	"	"	"	"	X
65-85-0	Benzoic acid	BRL		µg/kg dry	401	1	"	"	"	"	X
100-51-6	Benzyl alcohol	BRL		µg/kg dry	401	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C15	127-17797-08011	Soil	26-Jan-09 14:00	27-Jan-09
SA90345-01				

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	401	1	SW846 8270C	30-Jan-09	01-Feb-09	9012003	X
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/kg dry	401	1	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	401	1	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	401	1	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/kg dry	401	1	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	BRL		µg/kg dry	401	1	"	"	"	"	X
86-74-8	Carbazole	BRL		µg/kg dry	401	1	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	BRL		µg/kg dry	401	1	"	"	"	"	X
106-47-8	4-Chloroaniline	BRL		µg/kg dry	401	1	"	"	"	"	X
91-58-7	2-Chloronaphthalene	BRL		µg/kg dry	401	1	"	"	"	"	X
95-57-8	2-Chlorophenol	BRL		µg/kg dry	401	1	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/kg dry	401	1	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	401	1	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	401	1	"	"	"	"	X
132-64-9	Dibenzofuran	BRL		µg/kg dry	401	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	401	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	401	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	401	1	"	"	"	"	X
91-94-1	3,3'-Dichlorobenzidine	BRL		µg/kg dry	401	1	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	BRL		µg/kg dry	401	1	"	"	"	"	X
84-66-2	Diethyl phthalate	BRL		µg/kg dry	401	1	"	"	"	"	X
131-11-3	Dimethyl phthalate	BRL		µg/kg dry	401	1	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	BRL		µg/kg dry	401	1	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	BRL		µg/kg dry	401	1	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	401	1	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	BRL		µg/kg dry	401	1	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	BRL		µg/kg dry	401	1	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	BRL		µg/kg dry	401	1	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	BRL		µg/kg dry	401	1	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	401	1	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	401	1	"	"	"	"	X
118-74-1	Hexachlorobenzene	BRL		µg/kg dry	401	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	401	1	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	BRL		µg/kg dry	401	1	"	"	"	"	X
67-72-1	Hexachloroethane	BRL		µg/kg dry	401	1	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	401	1	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	401	1	"	"	"	"	
78-59-1	Isophorone	BRL		µg/kg dry	401	1	"	"	"	"	X
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	401	1	"	"	"	"	X
95-48-7	2-Methylphenol	BRL		µg/kg dry	401	1	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	BRL		µg/kg dry	401	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	401	1	"	"	"	"	X
88-74-4	2-Nitroaniline	BRL		µg/kg dry	401	1	"	"	"	"	X
99-09-2	3-Nitroaniline	BRL		µg/kg dry	401	1	"	"	"	"	X
100-01-6	4-Nitroaniline	BRL		µg/kg dry	1600	1	"	"	"	"	X
98-95-3	Nitrobenzene	BRL		µg/kg dry	401	1	"	"	"	"	X
88-75-5	2-Nitrophenol	BRL		µg/kg dry	401	1	"	"	"	"	X
100-02-7	4-Nitrophenol	BRL		µg/kg dry	1600	1	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	BRL		µg/kg dry	401	1	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/kg dry	401	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C15 SA90345-01	127-17797-08011	Soil	26-Jan-09 14:00	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											
86-30-6	N-Nitrosodiphenylamine	BRL		µg/kg dry	401	1	SW846 8270C	30-Jan-09	01-Feb-09	9012003	X
87-86-5	Pentachlorophenol	BRL		µg/kg dry	401	1	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	401	1	"	"	"	"	X
108-95-2	Phenol	BRL		µg/kg dry	401	1	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	401	1	"	"	"	"	X
110-86-1	Pyridine	BRL		µg/kg dry	401	1	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	401	1	"	"	"	"	X
95-95-4	2,4,5-Trichlorophenol	BRL		µg/kg dry	401	1	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	BRL		µg/kg dry	401	1	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	BRL		µg/kg dry	401	1	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	401	1	"	"	"	"	X
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*61*		*30-130 %*			"	"	"	"	
367-12-4	*2-Fluorophenol*	*52*		*15-110 %*			"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*58*		*30-130 %*			"	"	"	"	
4165-62-2	*Phenol-d5*	*60*		*15-110 %*			"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*58*		*30-130 %*			"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*59*		*15-110 %*			"	"	"	"	
Semivolatile Organic Compounds by GC											
Polychlorinated Biphenyls by SW846 8082											
Prepared by method SW846 3550B											
12674-11-2	PCB 1016	BRL		µg/kg dry	24.2	1	SW846 8082	30-Jan-09	01-Feb-09	9012042	X
11104-28-2	PCB 1221	BRL		µg/kg dry	24.2	1	"	"	"	"	X
11141-16-5	PCB 1232	BRL		µg/kg dry	24.2	1	"	"	"	"	X
53469-21-9	PCB 1242	BRL		µg/kg dry	24.2	1	"	"	"	"	X
12672-29-6	PCB 1248	BRL		µg/kg dry	24.2	1	"	"	"	"	X
11097-69-1	PCB 1254	BRL		µg/kg dry	24.2	1	"	"	"	"	X
11096-82-5	PCB 1260	BRL		µg/kg dry	24.2	1	"	"	"	"	X
37324-23-5	PCB 1262	BRL		µg/kg dry	24.2	1	"	"	"	"	X
11100-14-4	PCB 1268	BRL		µg/kg dry	24.2	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*83*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*48*		*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
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:											
10388-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*69*		*30-150 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C15 SA90345-01	127-17797-08011	Soil	26-Jan-09 14:00	27-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	16.2	1	+CT ETPH	30-Jan-09	02-Feb-09	9012000	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	16.2	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	16.2	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	16.2	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	16.2	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	16.2	1	"	"	"	"	
	Unidentified	BRL		mg/kg dry	16.2	1	"	"	"	"	
	Other Oil	BRL		mg/kg dry	16.2	1	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL		mg/kg dry	16.2	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	16.2	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	1.71	1	SW846 6010B	28-Jan-09	29-Jan-09	9011820	X
7440-38-2	Arsenic	2.78		mg/kg dry	1.71	1	"	"	"	"	X
7440-39-3	Barium	83.5		mg/kg dry	1.14	1	"	"	"	"	X
7440-43-9	Cadmium	0.930		mg/kg dry	0.570	1	"	"	"	"	X
7440-47-3	Chromium	9.46		mg/kg dry	1.14	1	"	"	"	"	X
7439-97-6	Mercury	0.172		mg/kg dry	0.0348	1	SW846 7471A	"	29-Jan-09	9011823	X
7439-92-1	Lead	118		mg/kg dry	1.71	1	SW846 6010B	"	29-Jan-09	9011820	X
7782-49-2	Selenium	BRL		mg/kg dry	1.71	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	BRL		mg/l	0.0150	1	SW846 1311/6010B	06-Feb-09	07-Feb-09	9020466	X
General Chemistry Parameters											
	% Solids	82.0		%		1	SM2540 G Mod.	28-Jan-09	28-Jan-09	9011835	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C16 SA90345-02	127-17797-08011	Soil	26-Jan-09 12:30	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: 6.12 g					
Prepared by method SW846 5035A Soil (low level)											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	7.9	1	SW846 8260B	29-Jan-09	29-Jan-09	9011897	X
67-64-1	Acetone	BRL		µg/kg dry	78.5	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	7.9	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	7.9	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	7.9	1	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	7.9	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	7.9	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	7.9	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	15.7	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	78.5	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	7.9	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	7.9	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	7.9	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	39.3	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	7.9	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	7.9	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	15.7	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	7.9	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	15.7	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	7.9	1	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	7.9	1	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	15.7	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	7.9	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	7.9	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	7.9	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	7.9	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	7.9	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	7.9	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	95.5		µg/kg dry	15.7	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	28.9		µg/kg dry	7.9	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	7.9	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	7.9	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	34.4		µg/kg dry	7.9	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	7.9	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	7.9	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	7.9	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	7.9	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	7.9	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	7.9	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	7.9	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	7.9	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	7.9	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	78.5	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	7.9	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	7.9	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	7.9	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	78.5	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	78.5	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	7.9	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C16	127-17797-08011	Soil	26-Jan-09 12:30	27-Jan-09
SA90345-02				

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: 6.12 g					
103-65-1	n-Propylbenzene	BRL		µg/kg dry	7.9	1	SW846 8260B	29-Jan-09	29-Jan-09	9011897	X
100-42-5	Styrene	BRL		µg/kg dry	7.9	1	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	7.9	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	7.9	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	7.9	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	7.9	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	7.9	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	7.9	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	7.9	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	25.1		µg/kg dry	7.9	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	7.9	1	"	"	"	"	X
79-01-6	Trichloroethene	9.5		µg/kg dry	7.9	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	7.9	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	7.9	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	7.9	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	7.9	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	7.9	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	15.7	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	7.9	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	78.5	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	7.9	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	7.9	1	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	7.9	1	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	7.9	1	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	78.5	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	157	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	39.3	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	3140	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*81*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*92*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*125*		*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	463	1	SW846 8270C	30-Jan-09	01-Feb-09	9012003	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	463	1	"	"	"	"	X
62-53-3	Aniline	BRL		µg/kg dry	463	1	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	463	1	"	"	"	"	X
1912-24-9	Atrazine	BRL		µg/kg dry	463	1	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/kg dry	463	1	"	"	"	"	
92-87-5	Benzidine	BRL		µg/kg dry	463	1	"	"	"	"	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	463	1	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	463	1	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	463	1	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	463	1	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	463	1	"	"	"	"	X
65-85-0	Benzoic acid	BRL		µg/kg dry	463	1	"	"	"	"	X
100-51-6	Benzyl alcohol	BRL		µg/kg dry	463	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C16 SA90345-02	127-17797-08011	Soil	26-Jan-09 12:30	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											
111-91-1	Bis(2-chloroethoxy)methane	BRL		µg/kg dry	463	1	SW846 8270C	30-Jan-09	01-Feb-09	9012003	X
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/kg dry	463	1	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	463	1	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	463	1	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/kg dry	463	1	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	BRL		µg/kg dry	463	1	"	"	"	"	X
86-74-8	Carbazole	BRL		µg/kg dry	463	1	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	BRL		µg/kg dry	463	1	"	"	"	"	X
106-47-8	4-Chloroaniline	BRL		µg/kg dry	463	1	"	"	"	"	X
91-58-7	2-Chloronaphthalene	BRL		µg/kg dry	463	1	"	"	"	"	X
95-57-8	2-Chlorophenol	BRL		µg/kg dry	463	1	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/kg dry	463	1	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	463	1	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	463	1	"	"	"	"	X
132-64-9	Dibenzofuran	BRL		µg/kg dry	463	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	463	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	463	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	463	1	"	"	"	"	X
91-94-1	3,3'-Dichlorobenzidine	BRL		µg/kg dry	463	1	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	BRL		µg/kg dry	463	1	"	"	"	"	X
84-66-2	Diethyl phthalate	BRL		µg/kg dry	463	1	"	"	"	"	X
131-11-3	Dimethyl phthalate	BRL		µg/kg dry	463	1	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	BRL		µg/kg dry	463	1	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	BRL		µg/kg dry	463	1	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	463	1	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	BRL		µg/kg dry	463	1	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	BRL		µg/kg dry	463	1	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	BRL		µg/kg dry	463	1	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	BRL		µg/kg dry	463	1	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	463	1	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	463	1	"	"	"	"	X
118-74-1	Hexachlorobenzene	BRL		µg/kg dry	463	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	463	1	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	BRL		µg/kg dry	463	1	"	"	"	"	X
67-72-1	Hexachloroethane	BRL		µg/kg dry	463	1	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	463	1	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	463	1	"	"	"	"	
78-59-1	Isophorone	BRL		µg/kg dry	463	1	"	"	"	"	X
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	463	1	"	"	"	"	X
95-48-7	2-Methylphenol	BRL		µg/kg dry	463	1	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	BRL		µg/kg dry	463	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	463	1	"	"	"	"	X
88-74-4	2-Nitroaniline	BRL		µg/kg dry	463	1	"	"	"	"	X
99-09-2	3-Nitroaniline	BRL		µg/kg dry	463	1	"	"	"	"	X
100-01-6	4-Nitroaniline	BRL		µg/kg dry	1850	1	"	"	"	"	X
98-95-3	Nitrobenzene	BRL		µg/kg dry	463	1	"	"	"	"	X
88-75-5	2-Nitrophenol	BRL		µg/kg dry	463	1	"	"	"	"	X
100-02-7	4-Nitrophenol	BRL		µg/kg dry	1850	1	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	BRL		µg/kg dry	463	1	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/kg dry	463	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C16 SA90345-02	127-17797-08011	Soil	26-Jan-09 12:30	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											
86-30-6	N-Nitrosodiphenylamine	BRL		µg/kg dry	463	1	SW846 8270C	30-Jan-09	01-Feb-09	9012003	X
87-86-5	Pentachlorophenol	BRL		µg/kg dry	463	1	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	463	1	"	"	"	"	X
108-95-2	Phenol	BRL		µg/kg dry	463	1	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	463	1	"	"	"	"	X
110-86-1	Pyridine	BRL		µg/kg dry	463	1	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	463	1	"	"	"	"	X
95-95-4	2,4,5-Trichlorophenol	BRL		µg/kg dry	463	1	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	BRL		µg/kg dry	463	1	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	BRL		µg/kg dry	463	1	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	463	1	"	"	"	"	X
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*73*		*30-130 %*			"	"	"	"	
367-12-4	*2-Fluorophenol*	*64*		*15-110 %*			"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*70*		*30-130 %*			"	"	"	"	
4165-62-2	*Phenol-d5*	*71*		*15-110 %*			"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*64*		*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	25.8	1	SW846 8082	30-Jan-09	01-Feb-09	9012042	X
11104-28-2	PCB 1221	BRL		µg/kg dry	25.8	1	"	"	"	"	X
11141-16-5	PCB 1232	BRL		µg/kg dry	25.8	1	"	"	"	"	X
53469-21-9	PCB 1242	BRL		µg/kg dry	25.8	1	"	"	"	"	X
12672-29-6	PCB 1248	BRL		µg/kg dry	25.8	1	"	"	"	"	X
11097-69-1	PCB 1254	BRL		µg/kg dry	25.8	1	"	"	"	"	X
11096-82-5	PCB 1260	BRL		µg/kg dry	25.8	1	"	"	"	"	X
37324-23-5	PCB 1262	119		µg/kg dry	25.8	1	"	"	"	"	X
11100-14-4	PCB 1268	BRL		µg/kg dry	25.8	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*89*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*45*		*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
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											

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-C16 SA90345-02	127-17797-08011	Soil	26-Jan-09 12:30	27-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	18.7	1	+CT ETPH	30-Jan-09	02-Feb-09	9012000	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	18.7	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	18.7	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	18.7	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	18.7	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	18.7	1	"	"	"	"	
	Unidentified	36.3		mg/kg dry	18.7	1	"	"	"	"	
	Other Oil	Calculated as		mg/kg dry	18.7	1	"	"	"	"	
	Total Petroleum Hydrocarbons	36.3		mg/kg dry	18.7	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	36.3		mg/kg dry	18.7	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	1.85	1	SW846 6010B	28-Jan-09	29-Jan-09	9011820	X
7440-38-2	Arsenic	15.5		mg/kg dry	1.85	1	"	"	"	"	X
7440-39-3	Barium	84.5		mg/kg dry	1.24	1	"	"	"	"	X
7440-43-9	Cadmium	1.22		mg/kg dry	0.618	1	"	"	"	"	X
7440-47-3	Chromium	16.7		mg/kg dry	1.24	1	"	"	"	"	X
7439-97-6	Mercury	10.2		mg/kg dry	0.0409	1	SW846 7471A	"	29-Jan-09	9011823	X
7439-92-1	Lead	109		mg/kg dry	1.85	1	SW846 6010B	"	29-Jan-09	9011820	X
7782-49-2	Selenium	BRL		mg/kg dry	1.85	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
7439-97-6	Mercury	BRL		mg/l	0.00020	1	SW846 1311/7470A	06-Feb-09	09-Feb-09	9020467	X
7439-92-1	Lead	BRL		mg/l	0.0150	1	SW846 1311/6010B	"	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	BRL		mg/l	0.0080	1	SW846 1312/6010B	06-Feb-09	07-Feb-09	9020464	
General Chemistry Parameters											
	% Solids	70.7		%		1	SM2540 G Mod.	28-Jan-09	28-Jan-09	9011835	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C17	127-17797-08011	Soil	26-Jan-09 10:30	27-Jan-09
SA90345-03				

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	28-Jan-09	28-Jan-09	9011833	
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	9.0	1	SW846 8260B	29-Jan-09	29-Jan-09	9011897	X
67-64-1	Acetone	BRL		µg/kg dry	90.0	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	9.0	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	9.0	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	9.0	1	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	9.0	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	9.0	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	9.0	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	18.0	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	90.0	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	9.0	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	9.0	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	9.0	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	45.0	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	9.0	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	9.0	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	18.0	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	9.0	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	18.0	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	9.0	1	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	9.0	1	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	18.0	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	9.0	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	9.0	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	9.0	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	9.0	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	9.0	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	9.0	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	18.0	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	134		µg/kg dry	9.0	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	9.0	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	9.0	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	439	E	µg/kg dry	9.0	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	29.8		µg/kg dry	9.0	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	9.0	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	9.0	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	9.0	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	9.0	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	9.0	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	9.0	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	9.0	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	9.0	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	90.0	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	9.0	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	9.0	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	9.0	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	90.0	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	90.0	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	9.0	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C17 SA90345-03	127-17797-08011	Soil	26-Jan-09 10:30	27-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
Volatile Organic Compounds					Initial weight: 5.4 g						
Prepared by method SW846 5035A Soil (low level)											
103-65-1	n-Propylbenzene	BRL		µg/kg dry	9.0	1	SW846 8260B	29-Jan-09	29-Jan-09	9011897	X
100-42-5	Styrene	BRL		µg/kg dry	9.0	1	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	9.0	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	9.0	1	"	"	"	"	X
127-18-4	Tetrachloroethene	96.0		µg/kg dry	9.0	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	9.0	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	9.0	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	9.0	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	9.0	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	205		µg/kg dry	9.0	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	9.0	1	"	"	"	"	X
79-01-6	Trichloroethene	34.9		µg/kg dry	9.0	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	9.0	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	9.0	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	9.0	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	9.0	1	"	"	"	"	X
75-01-4	Vinyl chloride	20.5		µg/kg dry	9.0	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	18.0	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	9.0	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	90.0	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	9.0	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	9.0	1	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	9.0	1	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	9.0	1	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	90.0	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	180	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	45.0	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	3600	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*82*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*87*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*119*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*108*		*70-130 %*			"	"	"	"	
Re-analysis of Volatile Organic Compounds											
156-59-2	cis-1,2-Dichloroethene	12,900		µg/kg dry	84.0	50	SW846 8260B	02-Feb-09	02-Feb-09	9020047	X
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*103*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*108*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*101*		*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	478	1	SW846 8270C	30-Jan-09	01-Feb-09	9012003	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	478	1	"	"	"	"	X
62-53-3	Aniline	BRL		µg/kg dry	478	1	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	478	1	"	"	"	"	X
1912-24-9	Atrazine	BRL		µg/kg dry	478	1	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/kg dry	478	1	"	"	"	"	
92-87-5	Benzidine	BRL		µg/kg dry	478	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C17	127-17797-08011	Soil	26-Jan-09 10:30	27-Jan-09
SA90345-03				

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											
56-55-3	Benzo (a) anthracene	809		µg/kg dry	478	1	SW846 8270C	30-Jan-09	01-Feb-09	9012003	X
50-32-8	Benzo (a) pyrene	764		µg/kg dry	478	1	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	803		µg/kg dry	478	1	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	478	1	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	845		µg/kg dry	478	1	"	"	"	"	X
65-85-0	Benzoic acid	BRL		µg/kg dry	478	1	"	"	"	"	X
100-51-6	Benzyl alcohol	BRL		µg/kg dry	478	1	"	"	"	"	X
111-91-1	Bis(2-chloroethoxy)methane	BRL		µg/kg dry	478	1	"	"	"	"	X
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/kg dry	478	1	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	478	1	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	478	1	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/kg dry	478	1	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	BRL		µg/kg dry	478	1	"	"	"	"	X
86-74-8	Carbazole	BRL		µg/kg dry	478	1	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	BRL		µg/kg dry	478	1	"	"	"	"	X
106-47-8	4-Chloroaniline	BRL		µg/kg dry	478	1	"	"	"	"	X
91-58-7	2-Chloronaphthalene	BRL		µg/kg dry	478	1	"	"	"	"	X
95-57-8	2-Chlorophenol	BRL		µg/kg dry	478	1	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/kg dry	478	1	"	"	"	"	X
218-01-9	Chrysene	928		µg/kg dry	478	1	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	478	1	"	"	"	"	X
132-64-9	Dibenzofuran	BRL		µg/kg dry	478	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	478	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	478	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	478	1	"	"	"	"	X
91-94-1	3,3'-Dichlorobenzidine	BRL		µg/kg dry	478	1	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	BRL		µg/kg dry	478	1	"	"	"	"	X
84-66-2	Diethyl phthalate	BRL		µg/kg dry	478	1	"	"	"	"	X
131-11-3	Dimethyl phthalate	BRL		µg/kg dry	478	1	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	BRL		µg/kg dry	478	1	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	BRL		µg/kg dry	478	1	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	478	1	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	BRL		µg/kg dry	478	1	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	BRL		µg/kg dry	478	1	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	BRL		µg/kg dry	478	1	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	BRL		µg/kg dry	478	1	"	"	"	"	X
206-44-0	Fluoranthene	1,620		µg/kg dry	478	1	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	478	1	"	"	"	"	X
118-74-1	Hexachlorobenzene	BRL		µg/kg dry	478	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	478	1	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	BRL		µg/kg dry	478	1	"	"	"	"	X
67-72-1	Hexachloroethane	BRL		µg/kg dry	478	1	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	478	1	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	478	1	"	"	"	"	
78-59-1	Isophorone	BRL		µg/kg dry	478	1	"	"	"	"	X
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	478	1	"	"	"	"	X
95-48-7	2-Methylphenol	BRL		µg/kg dry	478	1	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	BRL		µg/kg dry	478	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	478	1	"	"	"	"	X
88-74-4	2-Nitroaniline	BRL		µg/kg dry	478	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C17 SA90345-03	127-17797-08011	Soil	26-Jan-09 10:30	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	478	1	SW846 8270C	30-Jan-09	01-Feb-09	9012003	X
100-01-6	4-Nitroaniline	BRL		µg/kg dry	1910	1	"	"	"	"	X
98-95-3	Nitrobenzene	BRL		µg/kg dry	478	1	"	"	"	"	X
88-75-5	2-Nitrophenol	BRL		µg/kg dry	478	1	"	"	"	"	X
100-02-7	4-Nitrophenol	BRL		µg/kg dry	1910	1	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	BRL		µg/kg dry	478	1	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/kg dry	478	1	"	"	"	"	X
86-30-6	N-Nitrosodiphenylamine	BRL		µg/kg dry	478	1	"	"	"	"	X
87-86-5	Pentachlorophenol	BRL		µg/kg dry	478	1	"	"	"	"	X
85-01-8	Phenanthrene	483		µg/kg dry	478	1	"	"	"	"	X
108-95-2	Phenol	BRL		µg/kg dry	478	1	"	"	"	"	X
129-00-0	Pyrene	1,290		µg/kg dry	478	1	"	"	"	"	X
110-86-1	Pyridine	BRL		µg/kg dry	478	1	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	478	1	"	"	"	"	X
95-95-4	2,4,5-Trichlorophenol	BRL		µg/kg dry	478	1	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	BRL		µg/kg dry	478	1	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	BRL		µg/kg dry	478	1	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	478	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*	*68*		*30-130 %*			"	"	"	"	
4165-62-2	*Phenol-d5*	*66*		*15-110 %*			"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*63*		*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	BRL		µg/kg dry	28.1	1	SW846 8082	30-Jan-09	01-Feb-09	9012042	X
11104-28-2	PCB 1221	BRL		µg/kg dry	28.1	1	"	"	"	"	X
11141-16-5	PCB 1232	BRL		µg/kg dry	28.1	1	"	"	"	"	X
53469-21-9	PCB 1242	BRL		µg/kg dry	28.1	1	"	"	"	"	X
12672-29-6	PCB 1248	BRL		µg/kg dry	28.1	1	"	"	"	"	X
11097-69-1	PCB 1254	BRL		µg/kg dry	28.1	1	"	"	"	"	X
11096-82-5	PCB 1260	BRL		µg/kg dry	28.1	1	"	"	"	"	X
37324-23-5	PCB 1262	689		µg/kg dry	28.1	1	"	"	"	"	X
11100-14-4	PCB 1268	BRL		µg/kg dry	28.1	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*99*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*35*		*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-C17 SA90345-03	127-17797-08011	Soil	26-Jan-09 10:30	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)*	*84*		*30-150 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3550B											
8006-61-9	Gasoline	BRL		mg/kg dry	19.3	1	+CT ETPH	30-Jan-09	02-Feb-09	9012000	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	19.3	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	19.3	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	19.3	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	19.3	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	19.3	1	"	"	"	"	
	Unidentified	118		mg/kg dry	19.3	1	"	"	"	"	
	Other Oil	Calculated as		mg/kg dry	19.3	1	"	"	"	"	
	Total Petroleum Hydrocarbons	118		mg/kg dry	19.3	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	118		mg/kg dry	19.3	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	2.09	1	SW846 6010B	28-Jan-09	29-Jan-09	9011820	X
7440-38-2	Arsenic	34.9		mg/kg dry	2.09	1	"	"	"	"	X
7440-39-3	Barium	175		mg/kg dry	1.39	1	"	"	"	"	X
7440-43-9	Cadmium	2.79		mg/kg dry	0.696	1	"	"	"	"	X
7440-47-3	Chromium	76.0		mg/kg dry	1.39	1	"	"	"	"	X
7439-97-6	Mercury	0.110		mg/kg dry	0.0429	1	SW846 7471A	"	29-Jan-09	9011823	X
7439-92-1	Lead	1,140		mg/kg dry	2.09	1	SW846 6010B	"	29-Jan-09	9011820	X
7782-49-2	Selenium	BRL		mg/kg dry	2.09	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	0.0949		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	BRL		mg/l	0.0080	1	SW846 1312/6010B	06-Feb-09	07-Feb-09	9020464	
7439-92-1	Lead	0.0807		mg/l	0.0150	1	"	"	"	"	
General Chemistry Parameters											
	% Solids	68.8		%		1	SM2540 G Mod.	28-Jan-09	28-Jan-09	9011835	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C18 SA90345-04	127-17797-08011	Soil	26-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						Initial weight: 5.31 g					
Prepared by method SW846 5035A Soil (low level)											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	12.2	1	SW846 8260B	29-Jan-09	29-Jan-09	9011897	X
67-64-1	Acetone	BRL		µg/kg dry	122	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	12.2	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	12.2	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	12.2	1	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	12.2	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	12.2	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	12.2	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	24.3	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	122	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	12.2	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	12.2	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	12.2	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	60.8	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	12.2	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	12.2	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	24.3	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	12.2	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	24.3	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	12.2	1	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	12.2	1	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	24.3	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	12.2	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	12.2	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	12.2	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	12.2	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	12.2	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	12.2	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	81.5		µg/kg dry	24.3	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	12.2	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	12.2	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	12.2	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	132		µg/kg dry	12.2	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	12.2	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	12.2	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	12.2	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	12.2	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	12.2	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	12.2	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	12.2	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	12.2	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	12.2	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	122	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	12.2	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	12.2	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	12.2	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	122	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	122	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	12.2	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C18	127-17797-08011	Soil	26-Jan-09 09:00	27-Jan-09
SA90345-04				

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: 5.31 g						
103-65-1	n-Propylbenzene	BRL		µg/kg dry	12.2	1	SW846 8260B	29-Jan-09	29-Jan-09	9011897	X
100-42-5	Styrene	BRL		µg/kg dry	12.2	1	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	12.2	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	12.2	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	12.2	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	12.2	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	12.2	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	12.2	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	12.2	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	12.2	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	12.2	1	"	"	"	"	X
79-01-6	Trichloroethene	32.9		µg/kg dry	12.2	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	12.2	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	12.2	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	12.2	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	12.2	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	12.2	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	24.3	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	12.2	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	122	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	12.2	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	12.2	1	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	12.2	1	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	12.2	1	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	122	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	243	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	60.8	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	4860	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*	*119*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*104*		*70-130 %*			"	"	"	"	
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
83-32-9	Acenaphthene	BRL		µg/kg dry	1150	2	SW846 8270C	30-Jan-09	01-Feb-09	9012003	X
208-96-8	Acenaphthylene	2,030		µg/kg dry	1150	2	"	"	"	"	X
62-53-3	Aniline	BRL		µg/kg dry	1150	2	"	"	"	"	X
120-12-7	Anthracene	3,780		µg/kg dry	1150	2	"	"	"	"	X
1912-24-9	Atrazine	BRL		µg/kg dry	1150	2	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/kg dry	1150	2	"	"	"	"	
92-87-5	Benzidine	BRL		µg/kg dry	1150	2	"	"	"	"	X
56-55-3	Benzo (a) anthracene	7,470		µg/kg dry	1150	2	"	"	"	"	X
50-32-8	Benzo (a) pyrene	5,100		µg/kg dry	1150	2	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	6,350		µg/kg dry	1150	2	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	1,960		µg/kg dry	1150	2	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	5,630		µg/kg dry	1150	2	"	"	"	"	X
65-85-0	Benzoic acid	BRL		µg/kg dry	1150	2	"	"	"	"	X
100-51-6	Benzyl alcohol	BRL		µg/kg dry	1150	2	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C18 SA90345-04	127-17797-08011	Soil	26-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											
111-91-1	Bis(2-chloroethoxy)methane	BRL		µg/kg dry	1150	2	SW846 8270C	30-Jan-09	01-Feb-09	9012003	X
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/kg dry	1150	2	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	1150	2	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	1150	2	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/kg dry	1150	2	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	BRL		µg/kg dry	1150	2	"	"	"	"	X
86-74-8	Carbazole	BRL		µg/kg dry	1150	2	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	BRL		µg/kg dry	1150	2	"	"	"	"	X
106-47-8	4-Chloroaniline	BRL		µg/kg dry	1150	2	"	"	"	"	X
91-58-7	2-Chloronaphthalene	BRL		µg/kg dry	1150	2	"	"	"	"	X
95-57-8	2-Chlorophenol	BRL		µg/kg dry	1150	2	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/kg dry	1150	2	"	"	"	"	X
218-01-9	Chrysene	7,350		µg/kg dry	1150	2	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	1150	2	"	"	"	"	X
132-64-9	Dibenzofuran	1,740		µg/kg dry	1150	2	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	1150	2	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	1150	2	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	1150	2	"	"	"	"	X
91-94-1	3,3'-Dichlorobenzidine	BRL		µg/kg dry	1150	2	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	BRL		µg/kg dry	1150	2	"	"	"	"	X
84-66-2	Diethyl phthalate	BRL		µg/kg dry	1150	2	"	"	"	"	X
131-11-3	Dimethyl phthalate	BRL		µg/kg dry	1150	2	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	BRL		µg/kg dry	1150	2	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	BRL		µg/kg dry	1150	2	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	1150	2	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	BRL		µg/kg dry	1150	2	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	BRL		µg/kg dry	1150	2	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	BRL		µg/kg dry	1150	2	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	BRL		µg/kg dry	1150	2	"	"	"	"	X
206-44-0	Fluoranthene	21,000		µg/kg dry	1150	2	"	"	"	"	X
86-73-7	Fluorene	2,030		µg/kg dry	1150	2	"	"	"	"	X
118-74-1	Hexachlorobenzene	BRL		µg/kg dry	1150	2	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	1150	2	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	BRL		µg/kg dry	1150	2	"	"	"	"	X
67-72-1	Hexachloroethane	BRL		µg/kg dry	1150	2	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	2,330		µg/kg dry	1150	2	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	1150	2	"	"	"	"	
78-59-1	Isophorone	BRL		µg/kg dry	1150	2	"	"	"	"	X
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	1150	2	"	"	"	"	X
95-48-7	2-Methylphenol	BRL		µg/kg dry	1150	2	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	BRL		µg/kg dry	1150	2	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	1150	2	"	"	"	"	X
88-74-4	2-Nitroaniline	BRL		µg/kg dry	1150	2	"	"	"	"	X
99-09-2	3-Nitroaniline	BRL		µg/kg dry	1150	2	"	"	"	"	X
100-01-6	4-Nitroaniline	BRL		µg/kg dry	4590	2	"	"	"	"	X
98-95-3	Nitrobenzene	BRL		µg/kg dry	1150	2	"	"	"	"	X
88-75-5	2-Nitrophenol	BRL		µg/kg dry	1150	2	"	"	"	"	X
100-02-7	4-Nitrophenol	BRL		µg/kg dry	4590	2	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	BRL		µg/kg dry	1150	2	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/kg dry	1150	2	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C18	127-17797-08011	Soil	26-Jan-09 09:00	27-Jan-09
SA90345-04				

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	1150	2	SW846 8270C	30-Jan-09	01-Feb-09	9012003	X
87-86-5	Pentachlorophenol	BRL		µg/kg dry	1150	2	"	"	"	"	X
85-01-8	Phenanthrene	18,900		µg/kg dry	1150	2	"	"	"	"	X
108-95-2	Phenol	BRL		µg/kg dry	1150	2	"	"	"	"	X
129-00-0	Pyrene	13,900		µg/kg dry	1150	2	"	"	"	"	X
110-86-1	Pyridine	BRL		µg/kg dry	1150	2	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	1150	2	"	"	"	"	X
95-95-4	2,4,5-Trichlorophenol	BRL		µg/kg dry	1150	2	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	BRL		µg/kg dry	1150	2	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	BRL		µg/kg dry	1150	2	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	1150	2	"	"	"	"	X
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*77*		*30-130 %*			"	"	"	"	
367-12-4	*2-Fluorophenol*	*60*		*15-110 %*			"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*69*		*30-130 %*			"	"	"	"	
4165-62-2	*Phenol-d5*	*75*		*15-110 %*			"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*66*		*30-130 %*			"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*69*		*15-110 %*			"	"	"	"	
Semivolatile Organic Compounds by GC											
Polychlorinated Biphenyls by SW846 8082											
Prepared by method SW846 3550B											
12674-11-2	PCB 1016	BRL		µg/kg dry	34.9	1	SW846 8082	30-Jan-09	01-Feb-09	9012042	X
11104-28-2	PCB 1221	BRL		µg/kg dry	34.9	1	"	"	"	"	X
11141-16-5	PCB 1232	BRL		µg/kg dry	34.9	1	"	"	"	"	X
53469-21-9	PCB 1242	BRL		µg/kg dry	34.9	1	"	"	"	"	X
12672-29-6	PCB 1248	BRL		µg/kg dry	34.9	1	"	"	"	"	X
11097-69-1	PCB 1254	BRL		µg/kg dry	34.9	1	"	"	"	"	X
11096-82-5	PCB 1260	BRL		µg/kg dry	34.9	1	"	"	"	"	X
37324-23-5	PCB 1262	291		µg/kg dry	34.9	1	"	"	"	"	X
11100-14-4	PCB 1268	BRL		µg/kg dry	34.9	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*102*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*61*		*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
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)*	*76*		*30-150 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C18 SA90345-04	127-17797-08011	Soil	26-Jan-09 09:00	27-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	23.1	1	+CT ETPH	30-Jan-09	02-Feb-09	9012000	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	23.1	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	23.1	1	"	"	"	"	
68553-00-4	Fuel Oil #6	Calculated as		mg/kg dry	23.1	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	23.1	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	23.1	1	"	"	"	"	
	Unidentified	423		mg/kg dry	23.1	1	"	"	"	"	
	Other Oil	Calculated as		mg/kg dry	23.1	1	"	"	"	"	
	Total Petroleum Hydrocarbons	423		mg/kg dry	23.1	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	423		mg/kg dry	23.1	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*139*		*50-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	BRL		mg/kg dry	2.53	1	SW846 6010B	28-Jan-09	30-Jan-09	9011820	X
7440-38-2	Arsenic	327		mg/kg dry	2.53	1	"	"	"	"	X
7440-39-3	Barium	169		mg/kg dry	1.69	1	"	"	"	"	X
7440-43-9	Cadmium	3.30		mg/kg dry	0.844	1	"	"	"	"	X
7440-47-3	Chromium	47.6		mg/kg dry	1.69	1	"	"	"	"	X
7439-97-6	Mercury	0.127		mg/kg dry	0.0499	1	SW846 7471A	"	29-Jan-09	9011823	X
7439-92-1	Lead	233		mg/kg dry	2.53	1	SW846 6010B	"	30-Jan-09	9011820	X
7782-49-2	Selenium	BRL		mg/kg dry	2.53	1	"	"	"	"	X
TCLP Metals by EPA 1311 & 6000/7000 Series Methods											
	TCLP Extraction	Completed		N/A		1	SW846 1311	06-Feb-09	06-Feb-09	9020530	X
7440-38-2	Arsenic	0.0370		mg/l	0.0080	1	SW846 1311/6010B	09-Feb-09	09-Feb-09	9020572	X
7439-92-1	Lead	0.0168		mg/l	0.0150	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	0.0197		mg/l	0.0080	1	SW846 1312/6010B	06-Feb-09	07-Feb-09	9020464	
General Chemistry Parameters											
	% Solids	56.6		%		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: SA90344-01**									
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-dl4	*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		
Isophorone	2600		µg/kg wet	330	3330		78	40-130		
1-Methylnaphthalene	2640		µg/kg wet	330	3330		79	40-140		
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		98	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						
Arsenic	BRL		mg/kg wet	1.42						
Chromium	BRL		mg/kg wet	0.946						
Silver	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
Silver	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,QR6	mg/kg dry	1.80		0.836			51	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		
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		
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		
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										
Selenium	127		mg/kg dry	1.65	137	BRL	93	75-125	4	20
Lead	130		mg/kg dry	1.65	137	8.96	88	75-125	6	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
Chromium	156		mg/kg dry	1.10	137	16.9	101	75-125	6	20
Cadmium	122		mg/kg dry	0.549	137	0.522	89	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		
Silver	24.5		mg/kg wet	1.50	23.7		103	66.3-133.7		
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		
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		
Cadmium	66.8		mg/kg wet	0.500	72.0		93	80.9-119.9		
Arsenic	82.2		mg/kg wet	1.50	79.7		103	79.5-120.5		
Silver	25.1		mg/kg wet	1.50	24.0		105	66.3-133.7		
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		

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		
Batch 9020467 - EPA200/SW7000 Series										
Blank (9020467-BLK1)										
Prepared: 06-Feb-09 Analyzed: 09-Feb-09										
Mercury	BRL		mg/l	0.00020						
LCS (9020467-BS1)										
Prepared: 06-Feb-09 Analyzed: 09-Feb-09										
Mercury	0.00462		mg/l	0.00020	0.00500		92	69.2-107		
Duplicate (9020467-DUP1) Source: SA90345-02										
Prepared: 06-Feb-09 Analyzed: 09-Feb-09										
Mercury	BRL		mg/l	0.00020		0.00004				20
Matrix Spike (9020467-MS1) Source: SA90345-02										
Prepared: 06-Feb-09 Analyzed: 09-Feb-09										
Mercury	0.00489		mg/l	0.00020	0.00500	0.00004	97	57.8-123		
Matrix Spike Dup (9020467-MSD1) Source: SA90345-02										
Prepared: 06-Feb-09 Analyzed: 09-Feb-09										
Mercury	0.00475		mg/l	0.00020	0.00500	0.00004	94	57.8-123	3	20
Post Spike (9020467-PS1) Source: SA90345-02										
Prepared: 06-Feb-09 Analyzed: 09-Feb-09										
Mercury	0.00457		mg/l	0.00020	0.00500	0.00004	91	70-112		
Batch 9020572 - SW846 3010A										
Blank (9020572-BLK1)										
Prepared & Analyzed: 09-Feb-09										
Lead	BRL		mg/l	0.0150						
Arsenic	BRL		mg/l	0.0080						

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 9020572 - SW846 3010A										
LCS (9020572-BS1)										
Prepared & Analyzed: 09-Feb-09										
Lead	2.59		mg/l	0.0150	2.50		104	85-115		
Arsenic	2.45		mg/l	0.0080	2.50		98	85-115		
LCS Dup (9020572-BSD1)										
Prepared & Analyzed: 09-Feb-09										
Lead	2.62		mg/l	0.0150	2.50		105	85-115	1	20
Arsenic	2.46		mg/l	0.0080	2.50		99	85-115	0.7	20
Duplicate (9020572-DUP1)	**Source: SA90629-01**									
Prepared & Analyzed: 09-Feb-09										
Lead	0.0202	QR6	mg/l	0.0150		0.0119			52	20
Arsenic	BRL		mg/l	0.0080		BRL				20
Matrix Spike (9020572-MS1)	**Source: SA90629-01**									
Prepared: 09-Feb-09 Analyzed: 10-Feb-09										
Lead	2.40		mg/l	0.0150	2.50	0.0119	96	75-125		
Arsenic	2.40		mg/l	0.0080	2.50	BRL	96	75-125		
Matrix Spike Dup (9020572-MSD1)	**Source: SA90629-01**									
Prepared & Analyzed: 09-Feb-09										
Lead	2.62		mg/l	0.0150	2.50	0.0119	105	75-125	9	20
Arsenic	2.45		mg/l	0.0080	2.50	BRL	98	75-125	2	20
Post Spike (9020572-PS1)	**Source: SA90629-01**									
Prepared & Analyzed: 09-Feb-09										
Lead	2.63		mg/l	0.0150	2.50	0.0119	105	75-125		
Arsenic	2.46		mg/l	0.0080	2.50	BRL	98	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						
LCS (9020464-BS1)										
Prepared: 06-Feb-09 Analyzed: 07-Feb-09										
Lead	2.45		mg/l	0.0150	2.50		98	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
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
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		
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
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		

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

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.
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

SA 90345 UC

SPECTRUM ANALYTICAL, INC.
Formerly
HANSEN 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 # 4236

P.O. No.: _____ RQN: _____

Project No.: 127-17797-08011

Site Name: _____

Location: Newington State: CT

Sampler(s): Patrick dePaula

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

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analyses: VOC 8260	SVOC 8270	CT ETPH	PCB 8082	Herbicides 8151	Total RCRA 8 Metals	QA Reporting Notes: (check if needed)
SA 90345-01	RSB-C15	1/26/09	1400	G	SO	7	3	2			X	X	X	X	X	X	OT
02	RSB-C16	1/26/09	1230														
03	RSB-C17	1/26/09	1030														
04	RSB-C18	1/26/09	900														

☐ Provide MA DEP MCP CAM Report
☐ Provide CT DEP RCP Report

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

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

Condition upon receipt: ☐ Iced ☐ Ambient ☑ °C 5.3

Relinquished by:	Received by:	Date:	Time:
Patrick dePaula	[illegible]	1.27.09	1600
[illegible]	[illegible]	1/27/09	1515

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

Invoice To: DAS XX 44236

Project No: 127-12772-CB04

Site Name:

Location: Newington State: CT

Project Mgr.: David Brassard

P.O. No.: _____ RQN:

Sampler's: Patrick deFeudis

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

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analyses: VOC 8260	SVOC 8270	CT ETPH	PCB 8082	Herbicides 8151	Total RCRA Metals	TCLP Lead	QA Reporting Notes: (check if needed)
09345-01	RSB-C15	1/26/09	1400	G	SO	7	3	2			X	X	X	X	X	X	X	
02	RSB-C16	1/26/09	1230														X	
03	RSB-C17	1/26/09	1030														X	
04	RSB-C18	1/26/09	900	↓	↓	↓	↓	↓			↓	↓	↓	↓	↓	↓	X	

Provide MADEP MCP CAM Report
Provide CT DEP RCP Report

QA/QC Reporting Level
X State Std No QC
Other: _____

State specific reporting standards:
CT

Added 2nd lab
Sample receipt conditions

☐ Fax results when available to: _____
X E-mail to: patrick.defeudis@tetratech.com
EDD Format: _____

Condition upon receipt: ☐ Iced ☐ Ambient ☑ °C 5.3

Relinquished by:	Received by:	Date:	Time:
Patrick deFeudis	[illegible]	1/27/09	1020
[illegible]	[illegible]	1/28/09	1315

Report Date:
13-Feb-09 12:31

☑ 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 - Newington, CT
Project 127-17797-08011

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SA90067-01	RSB-C19	Soil	19-Jan-09 13:00	20-Jan-09 15:18
SA90067-02	RSB-C20	Soil	19-Jan-09 10:45	20-Jan-09 15:18
SA90067-03	RSB-C21	Soil	19-Jan-09 09:00	20-Jan-09 15:18

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 53 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 4.8 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.

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

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

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

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

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

According to CTDEP RCP Quality Assurance and Quality Control Requirements for VOCs by method 8260, SW-846 version 1, 7/28/05 Table 1A, recovery for some VOC analytes have been deemed potentially difficult. Although they may still be within the recommended 70%-130% recovery range, a range has been set based on historical control limits.

Sample SA90067-02 (RSB-C20) did not contain enough sample to analyze for TCLP at the required weight of 100 grams. Per client instructions, the sample was prepared with the remaining contents of the sample container. The final sample weight used for SA90067-02 was 89.56 grams.

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

SW846 1311/6010B

Duplicates:

9020572-DUP1 *Source: SA90629-01*

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

Lead

SW846 6010B

Duplicates:

9011268-DUP1 *Source: SA90067-01*

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

Chromium

SW846 7471A

Duplicates:

9011269-DUP1 *Source: SA90067-01*

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

Mercury

SW846 8260B

SW846 8260B

Laboratory Control Samples:

9011259-BSD1

Analyte out of acceptance range.

2,2-Dichloropropane

9011507-BS1

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

2,2-Dichloropropane
Ethyl tert-butyl ether
Tert-amyl methyl ether

Analyte out of acceptance range.

1,2-Dibromo-3-chloropropane

9011507-BSD1

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

2,2-Dichloropropane
Ethyl tert-butyl ether
Tert-amyl methyl ether

9011742-BS1

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

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

9011742-BSD1

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

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

Samples:

SA90067-02 *RSB-C20*

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:

9011365-BS1

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

Aniline

SW846 8270C

Spikes:

9011365-MS1 *Source: SA89905-01*

The spike recovery was outside acceptance limits for the MS, MSD and/or PS due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.

Pentachlorophenol

9011365-MSD1 *Source: SA89905-01*

The spike recovery was outside acceptance limits for the MS, MSD and/or PS due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.

Pentachlorophenol

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C19 SA90067-01	127-17797-08011	Soil	19-Jan-09 13:00	20-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	21-Jan-09	21-Jan-09	9011299	
Volatile Organic Compounds						Initial weight: 14.77 g					
Prepared by method SW846 5030 Soil (high level)											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	83.4	50	SW846 8260B	23-Jan-09	23-Jan-09	9011507	X
67-64-1	Acetone	BRL		µg/kg dry	834	50	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	83.4	50	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	83.4	50	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	83.4	50	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	83.4	50	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	83.4	50	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	83.4	50	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	167	50	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	834	50	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	83.4	50	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	83.4	50	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	83.4	50	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	417	50	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	83.4	50	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	83.4	50	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	167	50	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	83.4	50	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	167	50	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	83.4	50	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	83.4	50	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	167	50	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	83.4	50	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	83.4	50	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	83.4	50	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	83.4	50	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	83.4	50	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	83.4	50	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	167	50	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	83.4	50	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	83.4	50	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	83.4	50	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	83.4	50	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	83.4	50	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	83.4	50	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	83.4	50	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	83.4	50	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	83.4	50	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	83.4	50	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	83.4	50	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	83.4	50	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	83.4	50	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	834	50	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	83.4	50	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	83.4	50	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	83.4	50	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	834	50	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	834	50	"	"	"	"	X
91-20-3	Naphthalene	162		µg/kg dry	83.4	50	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C19 SA90067-01	127-17797-08011	Soil	19-Jan-09 13:00	20-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 5030 Soil (high level)						Initial weight: 14.77 g					
103-65-1	n-Propylbenzene	BRL		µg/kg dry	83.4	50	SW846 8260B	23-Jan-09	23-Jan-09	9011507	X
100-42-5	Styrene	BRL		µg/kg dry	83.4	50	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	83.4	50	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	83.4	50	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	83.4	50	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	83.4	50	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	83.4	50	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	83.4	50	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	83.4	50	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	83.4	50	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	83.4	50	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	83.4	50	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	83.4	50	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	83.4	50	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	83.4	50	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	83.4	50	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	83.4	50	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	167	50	"	"	"	"	X
95-47-6	o-Xylene	92.5		µg/kg dry	83.4	50	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	834	50	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	83.4	50	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	83.4	50	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	83.4	50	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	83.4	50	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	834	50	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	1670	50	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	417	50	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	33300	50	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*102*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*100*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*101*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*96*		*70-130 %*			"	"	"	"	
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
83-32-9	Acenaphthene	BRL		µg/kg dry	429	1	SW846 8270C	22-Jan-09	25-Jan-09	9011365	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	429	1	"	"	"	"	X
62-53-3	Aniline	BRL		µg/kg dry	429	1	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	429	1	"	"	"	"	X
1912-24-9	Atrazine	BRL		µg/kg dry	429	1	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/kg dry	429	1	"	"	"	"	
92-87-5	Benzidine	BRL		µg/kg dry	429	1	"	"	"	"	X
56-55-3	Benzo (a) anthracene	957		µg/kg dry	429	1	"	"	"	"	X
50-32-8	Benzo (a) pyrene	953		µg/kg dry	429	1	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	1,550		µg/kg dry	429	1	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	429	1	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	1,120		µg/kg dry	429	1	"	"	"	"	X
65-85-0	Benzoic acid	BRL		µg/kg dry	429	1	"	"	"	"	X
100-51-6	Benzyl alcohol	BRL		µg/kg dry	429	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C19 SA90067-01	127-17797-08011	Soil	19-Jan-09 13:00	20-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	429	1	SW846 8270C	22-Jan-09	25-Jan-09	9011365	X
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/kg dry	429	1	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	429	1	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	429	1	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/kg dry	429	1	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	BRL		µg/kg dry	429	1	"	"	"	"	X
86-74-8	Carbazole	BRL		µg/kg dry	429	1	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	BRL		µg/kg dry	429	1	"	"	"	"	X
106-47-8	4-Chloroaniline	BRL		µg/kg dry	429	1	"	"	"	"	X
91-58-7	2-Chloronaphthalene	BRL		µg/kg dry	429	1	"	"	"	"	X
95-57-8	2-Chlorophenol	BRL		µg/kg dry	429	1	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/kg dry	429	1	"	"	"	"	X
218-01-9	Chrysene	1,450		µg/kg dry	429	1	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	429	1	"	"	"	"	X
132-64-9	Dibenzofuran	BRL		µg/kg dry	429	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	429	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	429	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	429	1	"	"	"	"	X
91-94-1	3,3'-Dichlorobenzidine	BRL		µg/kg dry	429	1	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	BRL		µg/kg dry	429	1	"	"	"	"	X
84-66-2	Diethyl phthalate	BRL		µg/kg dry	429	1	"	"	"	"	X
131-11-3	Dimethyl phthalate	BRL		µg/kg dry	429	1	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	BRL		µg/kg dry	429	1	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	BRL		µg/kg dry	429	1	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	429	1	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	BRL		µg/kg dry	429	1	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	BRL		µg/kg dry	429	1	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	BRL		µg/kg dry	429	1	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	BRL		µg/kg dry	429	1	"	"	"	"	X
206-44-0	Fluoranthene	3,100		µg/kg dry	429	1	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	429	1	"	"	"	"	X
118-74-1	Hexachlorobenzene	BRL		µg/kg dry	429	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	429	1	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	BRL		µg/kg dry	429	1	"	"	"	"	X
67-72-1	Hexachloroethane	BRL		µg/kg dry	429	1	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	493		µg/kg dry	429	1	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	429	1	"	"	"	"	
78-59-1	Isophorone	BRL		µg/kg dry	429	1	"	"	"	"	X
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	429	1	"	"	"	"	X
95-48-7	2-Methylphenol	BRL		µg/kg dry	429	1	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	BRL		µg/kg dry	429	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	429	1	"	"	"	"	X
88-74-4	2-Nitroaniline	BRL		µg/kg dry	429	1	"	"	"	"	X
99-09-2	3-Nitroaniline	BRL		µg/kg dry	429	1	"	"	"	"	X
100-01-6	4-Nitroaniline	BRL		µg/kg dry	1720	1	"	"	"	"	X
98-95-3	Nitrobenzene	BRL		µg/kg dry	429	1	"	"	"	"	X
88-75-5	2-Nitrophenol	BRL		µg/kg dry	429	1	"	"	"	"	X
100-02-7	4-Nitrophenol	BRL		µg/kg dry	1720	1	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	BRL		µg/kg dry	429	1	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/kg dry	429	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C19 SA90067-01	127-17797-08011	Soil	19-Jan-09 13:00	20-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	429	1	SW846 8270C	22-Jan-09	25-Jan-09	9011365	X
87-86-5	Pentachlorophenol	BRL		µg/kg dry	429	1	"	"	"	"	X
85-01-8	Phenanthrene	991		µg/kg dry	429	1	"	"	"	"	X
108-95-2	Phenol	BRL		µg/kg dry	429	1	"	"	"	"	X
129-00-0	Pyrene	2,230		µg/kg dry	429	1	"	"	"	"	X
110-86-1	Pyridine	BRL		µg/kg dry	429	1	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	429	1	"	"	"	"	X
95-95-4	2,4,5-Trichlorophenol	BRL		µg/kg dry	429	1	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	BRL		µg/kg dry	429	1	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	BRL		µg/kg dry	429	1	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	429	1	"	"	"	"	X
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*77*		*30-130 %*			"	"	"	"	
367-12-4	*2-Fluorophenol*	*61*		*15-110 %*			"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*64*		*30-130 %*			"	"	"	"	
4165-62-2	*Phenol-d5*	*52*		*15-110 %*			"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*71*		*30-130 %*			"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*75*		*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	26.2	1	SW846 8082	22-Jan-09	23-Jan-09	9011361	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)*	*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	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)*	*97*		*30-150 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C19 SA90067-01	127-17797-08011	Soil	19-Jan-09 13:00	20-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	17.3	1	+CT ETPH	22-Jan-09	23-Jan-09	9011364	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	17.3	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	17.3	1	"	"	"	"	
68553-00-4	Fuel Oil #6	Calculated as		mg/kg dry	17.3	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	17.3	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	17.3	1	"	"	"	"	
	Unidentified	108		mg/kg dry	17.3	1	"	"	"	"	
	Other Oil	Calculated as		mg/kg dry	17.3	1	"	"	"	"	
	Total Petroleum Hydrocarbons	108		mg/kg dry	17.3	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	108		mg/kg dry	17.3	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*85*		*50-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	BRL		mg/kg dry	1.76	1	SW846 6010B	22-Jan-09	23-Jan-09	9011268	X
7440-38-2	Arsenic	13.2		mg/kg dry	1.76	1	"	"	"	"	X
7440-39-3	Barium	68.3		mg/kg dry	1.18	1	"	"	"	"	X
7440-43-9	Cadmium	BRL		mg/kg dry	0.588	1	"	"	"	"	X
7440-47-3	Chromium	10.6		mg/kg dry	1.18	1	"	"	"	"	X
7439-97-6	Mercury	0.732		mg/kg dry	0.0368	1	SW846 7471A	"	27-Jan-09	9011269	X
7439-92-1	Lead	135		mg/kg dry	1.76	1	SW846 6010B	"	23-Jan-09	9011268	X
7782-49-2	Selenium	BRL		mg/kg dry	1.76	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	BRL		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	BRL		mg/l	0.0080	1	SW846 1312/6010B	06-Feb-09	06-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	75.6		%		1	SM2540 G Mod.	21-Jan-09	21-Jan-09	9011296	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C20	127-17797-08011	Soil	19-Jan-09 10:45	20-Jan-09
SA90067-02				

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	21-Jan-09	21-Jan-09	9011299	
Volatile Organic Compounds			VC10								
Prepared by method SW846 5035A Soil (low level)						Initial weight: 3.73 g					
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	10.1	1	SW846 8260B	21-Jan-09	21-Jan-09	9011259	X
67-64-1	Acetone	BRL		µg/kg dry	101	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	10.1	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	10.1	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	10.1	1	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	10.1	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	10.1	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	10.1	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	20.1	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	101	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	10.1	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	10.1	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	10.1	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	50.4	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	10.1	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	10.1	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	20.1	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	10.1	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	20.1	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	10.1	1	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	10.1	1	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	20.1	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	10.1	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	10.1	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	10.1	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	10.1	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	10.1	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	10.1	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	20.1	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	10.1	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	10.1	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	10.1	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	10.1	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	10.1	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	10.1	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	10.1	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	10.1	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	10.1	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	10.1	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	10.1	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	10.1	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	10.1	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	101	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	10.1	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	10.1	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	10.1	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	101	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	101	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	10.1	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C20 SA90067-02	127-17797-08011	Soil	19-Jan-09 10:45	20-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: 3.73 g						
103-65-1	n-Propylbenzene	BRL		µg/kg dry	10.1	1	SW846 8260B	21-Jan-09	21-Jan-09	9011259	X
100-42-5	Styrene	BRL		µg/kg dry	10.1	1	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	10.1	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	10.1	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	10.1	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	10.1	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	10.1	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	10.1	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	10.1	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	10.1	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	10.1	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	10.1	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	10.1	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	10.1	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	10.1	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	10.1	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	10.1	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	20.1	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	10.1	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	101	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	10.1	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	10.1	1	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	10.1	1	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	10.1	1	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	101	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	201	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	50.4	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	4030	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*85*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*90*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*119*		*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	421	1	SW846 8270C	22-Jan-09	25-Jan-09	9011365	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	421	1	"	"	"	"	X
62-53-3	Aniline	BRL		µg/kg dry	421	1	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	421	1	"	"	"	"	X
1912-24-9	Atrazine	BRL		µg/kg dry	421	1	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/kg dry	421	1	"	"	"	"	
92-87-5	Benzidine	BRL		µg/kg dry	421	1	"	"	"	"	X
56-55-3	Benzo (a) anthracene	2,050		µg/kg dry	421	1	"	"	"	"	X
50-32-8	Benzo (a) pyrene	1,900		µg/kg dry	421	1	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	3,080		µg/kg dry	421	1	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	800		µg/kg dry	421	1	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	2,080		µg/kg dry	421	1	"	"	"	"	X
65-85-0	Benzoic acid	BRL		µg/kg dry	421	1	"	"	"	"	X
100-51-6	Benzyl alcohol	BRL		µg/kg dry	421	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C20 SA90067-02	127-17797-08011	Soil	19-Jan-09 10:45	20-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	421	1	SW846 8270C	22-Jan-09	25-Jan-09	9011365	X
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/kg dry	421	1	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	421	1	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	421	1	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/kg dry	421	1	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	BRL		µg/kg dry	421	1	"	"	"	"	X
86-74-8	Carbazole	BRL		µg/kg dry	421	1	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	BRL		µg/kg dry	421	1	"	"	"	"	X
106-47-8	4-Chloroaniline	BRL		µg/kg dry	421	1	"	"	"	"	X
91-58-7	2-Chloronaphthalene	BRL		µg/kg dry	421	1	"	"	"	"	X
95-57-8	2-Chlorophenol	BRL		µg/kg dry	421	1	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/kg dry	421	1	"	"	"	"	X
218-01-9	Chrysene	2,520		µg/kg dry	421	1	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	421	1	"	"	"	"	X
132-64-9	Dibenzofuran	BRL		µg/kg dry	421	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	421	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	421	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	421	1	"	"	"	"	X
91-94-1	3,3'-Dichlorobenzidine	BRL		µg/kg dry	421	1	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	BRL		µg/kg dry	421	1	"	"	"	"	X
84-66-2	Diethyl phthalate	BRL		µg/kg dry	421	1	"	"	"	"	X
131-11-3	Dimethyl phthalate	BRL		µg/kg dry	421	1	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	BRL		µg/kg dry	421	1	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	BRL		µg/kg dry	421	1	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	421	1	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	BRL		µg/kg dry	421	1	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	BRL		µg/kg dry	421	1	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	BRL		µg/kg dry	421	1	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	BRL		µg/kg dry	421	1	"	"	"	"	X
206-44-0	Fluoranthene	4,750		µg/kg dry	421	1	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	421	1	"	"	"	"	X
118-74-1	Hexachlorobenzene	BRL		µg/kg dry	421	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	421	1	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	BRL		µg/kg dry	421	1	"	"	"	"	X
67-72-1	Hexachloroethane	BRL		µg/kg dry	421	1	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	882		µg/kg dry	421	1	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	421	1	"	"	"	"	
78-59-1	Isophorone	BRL		µg/kg dry	421	1	"	"	"	"	X
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	421	1	"	"	"	"	X
95-48-7	2-Methylphenol	BRL		µg/kg dry	421	1	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	BRL		µg/kg dry	421	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	421	1	"	"	"	"	X
88-74-4	2-Nitroaniline	BRL		µg/kg dry	421	1	"	"	"	"	X
99-09-2	3-Nitroaniline	BRL		µg/kg dry	421	1	"	"	"	"	X
100-01-6	4-Nitroaniline	BRL		µg/kg dry	1680	1	"	"	"	"	X
98-95-3	Nitrobenzene	BRL		µg/kg dry	421	1	"	"	"	"	X
88-75-5	2-Nitrophenol	BRL		µg/kg dry	421	1	"	"	"	"	X
100-02-7	4-Nitrophenol	BRL		µg/kg dry	1680	1	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	BRL		µg/kg dry	421	1	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/kg dry	421	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C20 SA90067-02	127-17797-08011	Soil	19-Jan-09 10:45	20-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	421	1	SW846 8270C	22-Jan-09	25-Jan-09	9011365	X
87-86-5	Pentachlorophenol	BRL		µg/kg dry	421	1	"	"	"	"	X
85-01-8	Phenanthrene	1,800		µg/kg dry	421	1	"	"	"	"	X
108-95-2	Phenol	BRL		µg/kg dry	421	1	"	"	"	"	X
129-00-0	Pyrene	3,870		µg/kg dry	421	1	"	"	"	"	X
110-86-1	Pyridine	BRL		µg/kg dry	421	1	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	421	1	"	"	"	"	X
95-95-4	2,4,5-Trichlorophenol	BRL		µg/kg dry	421	1	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	BRL		µg/kg dry	421	1	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	BRL		µg/kg dry	421	1	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	421	1	"	"	"	"	X
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*61*		*30-130 %*			"	"	"	"	
367-12-4	*2-Fluorophenol*	*47*		*15-110 %*			"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*55*		*30-130 %*			"	"	"	"	
4165-62-2	*Phenol-d5*	*43*		*15-110 %*			"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*57*		*30-130 %*			"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*59*		*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	24.2	1	SW846 8082	22-Jan-09	23-Jan-09	9011361	X
11104-28-2	PCB 1221	BRL		µg/kg dry	24.2	1	"	"	"	"	X
11141-16-5	PCB 1232	BRL		µg/kg dry	24.2	1	"	"	"	"	X
53469-21-9	PCB 1242	BRL		µg/kg dry	24.2	1	"	"	"	"	X
12672-29-6	PCB 1248	BRL		µg/kg dry	24.2	1	"	"	"	"	X
11097-69-1	PCB 1254	BRL		µg/kg dry	24.2	1	"	"	"	"	X
11096-82-5	PCB 1260	BRL		µg/kg dry	24.2	1	"	"	"	"	X
37324-23-5	PCB 1262	BRL		µg/kg dry	24.2	1	"	"	"	"	X
11100-14-4	PCB 1268	BRL		µg/kg dry	24.2	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*108*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*61*		*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)*	*100*		*30-150 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											

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-C20	127-17797-08011	Soil	19-Jan-09 10:45	20-Jan-09
SA90067-02				

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	17.0	1	+CT ETPH	22-Jan-09	23-Jan-09	9011364	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	17.0	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	17.0	1	"	"	"	"	
68553-00-4	Fuel Oil #6	Calculated as		mg/kg dry	17.0	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	17.0	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	17.0	1	"	"	"	"	
	Unidentified	173		mg/kg dry	17.0	1	"	"	"	"	
	Other Oil	Calculated as		mg/kg dry	17.0	1	"	"	"	"	
	Total Petroleum Hydrocarbons	173		mg/kg dry	17.0	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	173		mg/kg dry	17.0	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*57*		*50-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	BRL		mg/kg dry	1.85	1	SW846 6010B	22-Jan-09	23-Jan-09	9011268	X
7440-38-2	Arsenic	10.7		mg/kg dry	1.85	1	"	"	"	"	X
7440-39-3	Barium	142		mg/kg dry	1.23	1	"	"	"	"	X
7440-43-9	Cadmium	0.659		mg/kg dry	0.616	1	"	"	"	"	X
7440-47-3	Chromium	32.8		mg/kg dry	1.23	1	"	"	"	"	X
7439-97-6	Mercury	0.117		mg/kg dry	0.0362	1	SW846 7471A	"	27-Jan-09	9011269	X
7439-92-1	Lead	147		mg/kg dry	1.85	1	SW846 6010B	"	23-Jan-09	9011268	X
7782-49-2	Selenium	2.55		mg/kg dry	1.85	1	"	"	"	"	X
TCLP Metals by EPA 1311 & 6000/7000 Series Methods											
	TCLP Extraction	Completed		N/A		1	SW846 1311	06-Feb-09	06-Feb-09	9020530	X
7439-92-1	Lead	BRL		mg/l	0.0150	1	SW846 1311/6010B	09-Feb-09	09-Feb-09	9020572	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	06-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	77.7		%		1	SM2540 G Mod.	21-Jan-09	21-Jan-09	9011296	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C21 SA90067-03	127-17797-08011	Soil	19-Jan-09 09:00	20-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	21-Jan-09	21-Jan-09	9011299	
Volatile Organic Compounds						Initial weight: 15.85 g					
Prepared by method SW846 5030 Soil (high level)											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	127	50	SW846 8260B	27-Jan-09	27-Jan-09	9011742	X
67-64-1	Acetone	BRL		µg/kg dry	1270	50	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	127	50	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	127	50	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	127	50	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	127	50	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	127	50	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	127	50	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	254	50	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	1270	50	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	127	50	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	127	50	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	127	50	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	635	50	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	127	50	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	127	50	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	254	50	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	127	50	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	254	50	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	127	50	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	127	50	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	254	50	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	127	50	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	127	50	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	127	50	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	127	50	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	127	50	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	127	50	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	254	50	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	127	50	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	127	50	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	127	50	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	127	50	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	127	50	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	127	50	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	127	50	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	127	50	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	127	50	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	127	50	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	127	50	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	127	50	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	127	50	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	1270	50	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	127	50	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	127	50	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	127	50	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	1270	50	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	1270	50	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	127	50	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C21	127-17797-08011	Soil	19-Jan-09 09:00	20-Jan-09
SA90067-03				

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 5030 Soil (high level)					Initial weight: 15.85 g						
103-65-1	n-Propylbenzene	BRL		µg/kg dry	127	50	SW846 8260B	27-Jan-09	27-Jan-09	9011742	X
100-42-5	Styrene	BRL		µg/kg dry	127	50	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	127	50	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	127	50	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	127	50	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	127	50	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	127	50	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	127	50	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	127	50	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	127	50	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	127	50	"	"	"	"	X
79-01-6	Trichloroethene	432		µg/kg dry	127	50	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	127	50	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	127	50	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	127	50	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	127	50	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	127	50	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	254	50	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	127	50	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	1270	50	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	127	50	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	127	50	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	127	50	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	127	50	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	1270	50	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	2540	50	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	635	50	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	50800	50	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*101*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*103*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*96*		*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	591	1	SW846 8270C	22-Jan-09	25-Jan-09	9011365	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	591	1	"	"	"	"	X
62-53-3	Aniline	BRL		µg/kg dry	591	1	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	591	1	"	"	"	"	X
1912-24-9	Atrazine	BRL		µg/kg dry	591	1	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/kg dry	591	1	"	"	"	"	
92-87-5	Benzidine	BRL		µg/kg dry	591	1	"	"	"	"	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	591	1	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	591	1	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	591	1	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	591	1	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	591	1	"	"	"	"	X
65-85-0	Benzoic acid	BRL		µg/kg dry	591	1	"	"	"	"	X
100-51-6	Benzyl alcohol	BRL		µg/kg dry	591	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C21 SA90067-03	127-17797-08011	Soil	19-Jan-09 09:00	20-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	591	1	SW846 8270C	22-Jan-09	25-Jan-09	9011365	X
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/kg dry	591	1	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	591	1	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	591	1	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/kg dry	591	1	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	BRL		µg/kg dry	591	1	"	"	"	"	X
86-74-8	Carbazole	BRL		µg/kg dry	591	1	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	BRL		µg/kg dry	591	1	"	"	"	"	X
106-47-8	4-Chloroaniline	BRL		µg/kg dry	591	1	"	"	"	"	X
91-58-7	2-Chloronaphthalene	BRL		µg/kg dry	591	1	"	"	"	"	X
95-57-8	2-Chlorophenol	BRL		µg/kg dry	591	1	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/kg dry	591	1	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	591	1	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	591	1	"	"	"	"	X
132-64-9	Dibenzofuran	BRL		µg/kg dry	591	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	591	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	591	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	591	1	"	"	"	"	X
91-94-1	3,3'-Dichlorobenzidine	BRL		µg/kg dry	591	1	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	BRL		µg/kg dry	591	1	"	"	"	"	X
84-66-2	Diethyl phthalate	BRL		µg/kg dry	591	1	"	"	"	"	X
131-11-3	Dimethyl phthalate	BRL		µg/kg dry	591	1	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	BRL		µg/kg dry	591	1	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	BRL		µg/kg dry	591	1	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	591	1	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	BRL		µg/kg dry	591	1	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	BRL		µg/kg dry	591	1	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	BRL		µg/kg dry	591	1	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	BRL		µg/kg dry	591	1	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	591	1	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	591	1	"	"	"	"	X
118-74-1	Hexachlorobenzene	BRL		µg/kg dry	591	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	591	1	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	BRL		µg/kg dry	591	1	"	"	"	"	X
67-72-1	Hexachloroethane	BRL		µg/kg dry	591	1	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	591	1	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	591	1	"	"	"	"	
78-59-1	Isophorone	BRL		µg/kg dry	591	1	"	"	"	"	X
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	591	1	"	"	"	"	X
95-48-7	2-Methylphenol	BRL		µg/kg dry	591	1	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	BRL		µg/kg dry	591	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	591	1	"	"	"	"	X
88-74-4	2-Nitroaniline	BRL		µg/kg dry	591	1	"	"	"	"	X
99-09-2	3-Nitroaniline	BRL		µg/kg dry	591	1	"	"	"	"	X
100-01-6	4-Nitroaniline	BRL		µg/kg dry	2370	1	"	"	"	"	X
98-95-3	Nitrobenzene	BRL		µg/kg dry	591	1	"	"	"	"	X
88-75-5	2-Nitrophenol	BRL		µg/kg dry	591	1	"	"	"	"	X
100-02-7	4-Nitrophenol	BRL		µg/kg dry	2370	1	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	BRL		µg/kg dry	591	1	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/kg dry	591	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C21 SA90067-03	127-17797-08011	Soil	19-Jan-09 09:00	20-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	591	1	SW846 8270C	22-Jan-09	25-Jan-09	9011365	X
87-86-5	Pentachlorophenol	BRL		µg/kg dry	591	1	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	591	1	"	"	"	"	X
108-95-2	Phenol	BRL		µg/kg dry	591	1	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	591	1	"	"	"	"	X
110-86-1	Pyridine	BRL		µg/kg dry	591	1	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	591	1	"	"	"	"	X
95-95-4	2,4,5-Trichlorophenol	BRL		µg/kg dry	591	1	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	BRL		µg/kg dry	591	1	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	BRL		µg/kg dry	591	1	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	591	1	"	"	"	"	X
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*53*		*30-130 %*			"	"	"	"	
367-12-4	*2-Fluorophenol*	*42*		*15-110 %*			"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*46*		*30-130 %*			"	"	"	"	
4165-62-2	*Phenol-d5*	*33*		*15-110 %*			"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*49*		*30-130 %*			"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*44*		*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	36.3	1	SW846 8082	22-Jan-09	23-Jan-09	9011361	X
11104-28-2	PCB 1221	BRL		µg/kg dry	36.3	1	"	"	"	"	X
11141-16-5	PCB 1232	BRL		µg/kg dry	36.3	1	"	"	"	"	X
53469-21-9	PCB 1242	BRL		µg/kg dry	36.3	1	"	"	"	"	X
12672-29-6	PCB 1248	BRL		µg/kg dry	36.3	1	"	"	"	"	X
11097-69-1	PCB 1254	BRL		µg/kg dry	36.3	1	"	"	"	"	X
11096-82-5	PCB 1260	BRL		µg/kg dry	36.3	1	"	"	"	"	X
37324-23-5	PCB 1262	BRL		µg/kg dry	36.3	1	"	"	"	"	X
11100-14-4	PCB 1268	BRL		µg/kg dry	36.3	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*103*		*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)*	*105*		*30-150 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C21 SA90067-03	127-17797-08011	Soil	19-Jan-09 09:00	20-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	23.8	1	+CT ETPH	22-Jan-09	23-Jan-09	9011364	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	23.8	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	23.8	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	23.8	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	23.8	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	23.8	1	"	"	"	"	
	Unidentified	BRL		mg/kg dry	23.8	1	"	"	"	"	
	Other Oil	BRL		mg/kg dry	23.8	1	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL		mg/kg dry	23.8	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	23.8	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*65*		*50-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	BRL		mg/kg dry	2.48	1	SW846 6010B	22-Jan-09	23-Jan-09	9011268	X
7440-38-2	Arsenic	6.99		mg/kg dry	2.48	1	"	"	"	"	X
7440-39-3	Barium	75.3		mg/kg dry	1.65	1	"	"	"	"	X
7440-43-9	Cadmium	BRL		mg/kg dry	0.827	1	"	"	"	"	X
7440-47-3	Chromium	5.60		mg/kg dry	1.65	1	"	"	"	"	X
7439-97-6	Mercury	1.05		mg/kg dry	0.0502	1	SW846 7471A	"	27-Jan-09	9011269	X
7439-92-1	Lead	114		mg/kg dry	2.48	1	SW846 6010B	"	23-Jan-09	9011268	X
7782-49-2	Selenium	BRL		mg/kg dry	2.48	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	BRL		mg/l	0.0150	1	SW846 1311/6010B	06-Feb-09	07-Feb-09	9020466	X
General Chemistry Parameters											
	% Solids	55.0		%		1	SM2540 G Mod.	21-Jan-09	21-Jan-09	9011296	

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9011259 - SW846 5035A Soil (low level)										
Blank (9011259-BLK1)										
Prepared & Analyzed: 21-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 9011259 - SW846 5035A Soil (low level)										
Blank (9011259-BLK1)										
Prepared & Analyzed: 21-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	*47.8*		µg/kg wet		*50.0*		*96*	*70-130*		
Surrogate: Toluene-d8	*47.1*		µg/kg wet		*50.0*		*94*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*54.3*		µg/kg wet		*50.0*		*109*	*70-130*		
Surrogate: Dibromofluoromethane	*47.7*		µg/kg wet		*50.0*		*95*	*70-130*		
LCS (9011259-BS1)										
Prepared & Analyzed: 21-Jan-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	19.4		µg/kg wet		20.0		97	70-130		
Acetone	15.3		µg/kg wet		20.0		77	7.9-168		
Acrylonitrile	17.6		µg/kg wet		20.0		88	70-130		
Benzene	20.6		µg/kg wet		20.0		103	70-130		
Bromobenzene	18.6		µg/kg wet		20.0		93	70-130		
Bromochloromethane	16.5		µg/kg wet		20.0		82	70-130		
Bromodichloromethane	20.0		µg/kg wet		20.0		100	70-130		
Bromoform	18.6		µg/kg wet		20.0		93	70-130		
Bromomethane	17.7		µg/kg wet		20.0		88	50-134		
2-Butanone (MEK)	13.6		µg/kg wet		20.0		68	44.6-130		
n-Butylbenzene	22.2		µg/kg wet		20.0		111	70-130		
sec-Butylbenzene	20.8		µg/kg wet		20.0		104	70-130		
tert-Butylbenzene	20.1		µg/kg wet		20.0		101	70-130		
Carbon disulfide	21.6		µg/kg wet		20.0		108	70-130		
Carbon tetrachloride	21.0		µg/kg wet		20.0		105	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 9011259 - SW846 5035A Soil (low level)										
LCS (9011259-BS1)										
Prepared & Analyzed: 21-Jan-09										
Chloroethane	18.0		µg/kg wet		20.0		90	59.2-130		
Chloroform	18.0		µg/kg wet		20.0		90	70-130		
Chloromethane	17.8		µg/kg wet		20.0		89	70-130		
2-Chlorotoluene	21.3		µg/kg wet		20.0		107	70-130		
4-Chlorotoluene	20.3		µg/kg wet		20.0		102	70-130		
1,2-Dibromo-3-chloropropane	20.0		µg/kg wet		20.0		100	70-130		
Dibromochloromethane	17.6		µg/kg wet		20.0		88	63.8-130		
1,2-Dibromoethane (EDB)	17.4		µg/kg wet		20.0		87	70-130		
Dibromomethane	16.6		µg/kg wet		20.0		83	70-130		
1,2-Dichlorobenzene	20.3		µg/kg wet		20.0		102	70-130		
1,3-Dichlorobenzene	19.3		µg/kg wet		20.0		96	70-130		
1,4-Dichlorobenzene	20.3		µg/kg wet		20.0		102	70-130		
Dichlorodifluoromethane (Freon12)	18.2		µg/kg wet		20.0		91	41.8-130		
1,1-Dichloroethane	19.7		µg/kg wet		20.0		99	70-130		
1,2-Dichloroethane	18.0		µg/kg wet		20.0		90	70-130		
1,1-Dichloroethene	20.7		µg/kg wet		20.0		103	70-130		
cis-1,2-Dichloroethene	19.2		µg/kg wet		20.0		96	70-130		
trans-1,2-Dichloroethene	19.6		µg/kg wet		20.0		98	70-130		
1,2-Dichloropropane	20.8		µg/kg wet		20.0		104	70-130		
1,3-Dichloropropane	17.8		µg/kg wet		20.0		89	70-130		
2,2-Dichloropropane	15.0		µg/kg wet		20.0		75	70-130		
1,1-Dichloropropene	20.7		µg/kg wet		20.0		104	70-130		
cis-1,3-Dichloropropene	18.0		µg/kg wet		20.0		90	70-130		
trans-1,3-Dichloropropene	18.4		µg/kg wet		20.0		92	70-130		
Ethylbenzene	21.0		µg/kg wet		20.0		105	70-130		
Hexachlorobutadiene	18.6		µg/kg wet		20.0		93	68.3-130		
2-Hexanone (MBK)	15.5		µg/kg wet		20.0		78	70-130		
Isopropylbenzene	20.5		µg/kg wet		20.0		103	70-130		
4-Isopropyltoluene	21.7		µg/kg wet		20.0		109	70-130		
Methyl tert-butyl ether	19.2		µg/kg wet		20.0		96	70-130		
4-Methyl-2-pentanone (MIBK)	14.9		µg/kg wet		20.0		74	53.1-132		
Methylene chloride	18.4		µg/kg wet		20.0		92	70-130		
Naphthalene	18.1		µg/kg wet		20.0		91	70-130		
n-Propylbenzene	20.7		µg/kg wet		20.0		104	70-130		
Styrene	20.1		µg/kg wet		20.0		101	70-130		
1,1,1,2-Tetrachloroethane	19.4		µg/kg wet		20.0		97	70-130		
1,1,2,2-Tetrachloroethane	19.1		µg/kg wet		20.0		96	70-130		
Tetrachloroethene	18.4		µg/kg wet		20.0		92	70-130		
Toluene	17.1		µg/kg wet		20.0		86	70-130		
1,2,3-Trichlorobenzene	19.0		µg/kg wet		20.0		95	70-130		
1,2,4-Trichlorobenzene	18.8		µg/kg wet		20.0		94	70-130		
1,3,5-Trichlorobenzene	20.2		µg/kg wet		20.0		101	70-130		
1,1,1-Trichloroethane	19.6		µg/kg wet		20.0		98	70-130		
1,1,2-Trichloroethane	18.3		µg/kg wet		20.0		91	70-130		
Trichloroethene	19.8		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	17.9		µg/kg wet		20.0		90	70-130		
1,2,4-Trimethylbenzene	20.7		µg/kg wet		20.0		103	70-130		
1,3,5-Trimethylbenzene	20.5		µg/kg wet		20.0		103	70-130		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9011259 - SW846 5035A Soil (low level)										
LCS (9011259-BS1)										
Prepared & Analyzed: 21-Jan-09										
Vinyl chloride	20.3		µg/kg wet		20.0		102	70-130		
m,p-Xylene	42.4		µg/kg wet		40.0		106	70-130		
o-Xylene	20.6		µg/kg wet		20.0		103	70-130		
Tetrahydrofuran	15.0		µg/kg wet		20.0		75	70-130		
Ethyl ether	18.6		µg/kg wet		20.0		93	70-130		
Tert-amyl methyl ether	18.4		µg/kg wet		20.0		92	70-130		
Ethyl tert-butyl ether	20.1		µg/kg wet		20.0		101	70-130		
Di-isopropyl ether	20.3		µg/kg wet		20.0		101	70-130		
Tert-Butanol / butyl alcohol	176		µg/kg wet		200		88	70-130		
1,4-Dioxane	173		µg/kg wet		200		87	48.7-130		
trans-1,4-Dichloro-2-butene	18.7		µg/kg wet		20.0		94	70-130		
Ethanol	345		µg/kg wet		400		86	70-130		
Surrogate: 4-Bromofluorobenzene	*49.7*		µg/kg wet		*50.0*		*99*	*70-130*		
Surrogate: Toluene-d8	*46.6*		µg/kg wet		*50.0*		*93*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*43.3*		µg/kg wet		*50.0*		*87*	*70-130*		
Surrogate: Dibromofluoromethane	*43.3*		µg/kg wet		*50.0*		*87*	*70-130*		
LCS Dup (9011259-BSD1)										
Prepared & Analyzed: 21-Jan-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	20.0		µg/kg wet		20.0		100	70-130	3	25
Acetone	16.1		µg/kg wet		20.0		81	7.9-168	5	50
Acrylonitrile	19.4		µg/kg wet		20.0		97	70-130	9	25
Benzene	20.7		µg/kg wet		20.0		104	70-130	0.4	25
Bromobenzene	19.3		µg/kg wet		20.0		96	70-130	4	25
Bromochloromethane	17.4		µg/kg wet		20.0		87	70-130	5	25
Bromodichloromethane	20.8		µg/kg wet		20.0		104	70-130	4	25
Bromoform	19.5		µg/kg wet		20.0		98	70-130	5	25
Bromomethane	19.1		µg/kg wet		20.0		96	50-134	8	50
2-Butanone (MEK)	15.6		µg/kg wet		20.0		78	44.6-130	14	50
n-Butylbenzene	21.5		µg/kg wet		20.0		107	70-130	3	25
sec-Butylbenzene	21.2		µg/kg wet		20.0		106	70-130	2	25
tert-Butylbenzene	20.4		µg/kg wet		20.0		102	70-130	2	25
Carbon disulfide	22.4		µg/kg wet		20.0		112	70-130	4	25
Carbon tetrachloride	20.5		µg/kg wet		20.0		102	70-130	2	25
Chlorobenzene	19.3		µg/kg wet		20.0		97	70-130	2	25
Chloroethane	19.8		µg/kg wet		20.0		99	59.2-130	10	50
Chloroform	18.1		µg/kg wet		20.0		90	70-130	0.2	25
Chloromethane	19.9		µg/kg wet		20.0		100	70-130	11	25
2-Chlorotoluene	21.8		µg/kg wet		20.0		109	70-130	2	25
4-Chlorotoluene	20.6		µg/kg wet		20.0		103	70-130	1	25
1,2-Dibromo-3-chloropropane	20.5		µg/kg wet		20.0		102	70-130	2	25
Dibromochloromethane	19.4		µg/kg wet		20.0		97	63.8-130	10	50
1,2-Dibromoethane (EDB)	18.4		µg/kg wet		20.0		92	70-130	5	25
Dibromomethane	18.0		µg/kg wet		20.0		90	70-130	8	25
1,2-Dichlorobenzene	19.8		µg/kg wet		20.0		99	70-130	3	25
1,3-Dichlorobenzene	19.6		µg/kg wet		20.0		98	70-130	2	25
1,4-Dichlorobenzene	19.2		µg/kg wet		20.0		96	70-130	6	25
Dichlorodifluoromethane (Freon12)	20.4		µg/kg wet		20.0		102	41.8-130	11	50
1,1-Dichloroethane	19.7		µg/kg wet		20.0		99	70-130	0.05	25
1,2-Dichloroethane	18.6		µg/kg wet		20.0		93	70-130	3	25
1,1-Dichloroethene	21.2		µg/kg wet		20.0		106	70-130	2	25

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9011259 - SW846 5035A Soil (low level)										
LCS Dup (9011259-BSD1)										
Prepared & Analyzed: 21-Jan-09										
cis-1,2-Dichloroethene	18.8		µg/kg wet		20.0		94	70-130	2	25
trans-1,2-Dichloroethene	19.2		µg/kg wet		20.0		96	70-130	2	25
1,2-Dichloropropane	20.2		µg/kg wet		20.0		101	70-130	3	25
1,3-Dichloropropane	18.6		µg/kg wet		20.0		93	70-130	4	25
2,2-Dichloropropane	13.0	QC1	µg/kg wet		20.0		65	70-130	14	25
1,1-Dichloropropene	20.6		µg/kg wet		20.0		103	70-130	0.4	25
cis-1,3-Dichloropropene	18.9		µg/kg wet		20.0		94	70-130	5	25
trans-1,3-Dichloropropene	19.4		µg/kg wet		20.0		97	70-130	5	25
Ethylbenzene	20.7		µg/kg wet		20.0		104	70-130	1	25
Hexachlorobutadiene	18.0		µg/kg wet		20.0		90	68.3-130	4	50
2-Hexanone (MBK)	18.7		µg/kg wet		20.0		94	70-130	19	25
Isopropylbenzene	20.4		µg/kg wet		20.0		102	70-130	0.9	25
4-Isopropyltoluene	20.4		µg/kg wet		20.0		102	70-130	6	25
Methyl tert-butyl ether	20.2		µg/kg wet		20.0		101	70-130	5	25
4-Methyl-2-pentanone (MIBK)	15.2		µg/kg wet		20.0		76	53.1-132	2	50
Methylene chloride	19.3		µg/kg wet		20.0		96	70-130	5	25
Naphthalene	17.8		µg/kg wet		20.0		89	70-130	2	25
n-Propylbenzene	20.6		µg/kg wet		20.0		103	70-130	0.5	25
Styrene	20.1		µg/kg wet		20.0		100	70-130	0.3	25
1,1,1,2-Tetrachloroethane	19.1		µg/kg wet		20.0		96	70-130	1	25
1,1,2,2-Tetrachloroethane	19.6		µg/kg wet		20.0		98	70-130	2	25
Tetrachloroethene	17.7		µg/kg wet		20.0		89	70-130	4	25
Toluene	17.9		µg/kg wet		20.0		89	70-130	4	25
1,2,3-Trichlorobenzene	18.6		µg/kg wet		20.0		93	70-130	2	25
1,2,4-Trichlorobenzene	18.4		µg/kg wet		20.0		92	70-130	2	25
1,3,5-Trichlorobenzene	19.5		µg/kg wet		20.0		98	70-130	3	25
1,1,1-Trichloroethane	19.6		µg/kg wet		20.0		98	70-130	0.2	25
1,1,2-Trichloroethane	19.2		µg/kg wet		20.0		96	70-130	5	25
Trichloroethene	19.5		µg/kg wet		20.0		97	70-130	2	25
Trichlorofluoromethane (Freon 11)	20.8		µg/kg wet		20.0		104	68.2-130	2	50
1,2,3-Trichloropropane	19.5		µg/kg wet		20.0		98	70-130	9	25
1,2,4-Trimethylbenzene	20.9		µg/kg wet		20.0		104	70-130	1	25
1,3,5-Trimethylbenzene	20.8		µg/kg wet		20.0		104	70-130	1	25
Vinyl chloride	22.4		µg/kg wet		20.0		112	70-130	10	25
m,p-Xylene	42.0		µg/kg wet		40.0		105	70-130	0.8	25
o-Xylene	20.5		µg/kg wet		20.0		103	70-130	0.2	25
Tetrahydrofuran	19.2		µg/kg wet		20.0		96	70-130	24	25
Ethyl ether	19.4		µg/kg wet		20.0		97	70-130	4	50
Tert-amyl methyl ether	20.4		µg/kg wet		20.0		102	70-130	10	25
Ethyl tert-butyl ether	20.5		µg/kg wet		20.0		103	70-130	2	25
Di-isopropyl ether	20.6		µg/kg wet		20.0		103	70-130	1	25
Tert-Butanol / butyl alcohol	219		µg/kg wet		200		110	70-130	22	25
1,4-Dioxane	189		µg/kg wet		200		94	48.7-130	9	25
trans-1,4-Dichloro-2-butene	18.8		µg/kg wet		20.0		94	70-130	0.3	25
Ethanol	379		µg/kg wet		400		95	70-130	9	30
Surrogate: 4-Bromofluorobenzene	*50.4*		µg/kg wet		*50.0*		*101*	*70-130*		
Surrogate: Toluene-d8	*48.9*		µg/kg wet		*50.0*		*98*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*45.7*		µg/kg wet		*50.0*		*91*	*70-130*		
Surrogate: Dibromofluoromethane	*45.6*		µg/kg wet		*50.0*		*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 9011507 - SW846 5030 Soil (high level)										
Blank (9011507-BLK1)										
Prepared & Analyzed: 23-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 9011507 - SW846 5030 Soil (high level)										
Blank (9011507-BLK1)										
Prepared & Analyzed: 23-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	*29.6*		µg/kg wet		*30.0*		*99*	*70-130*		
Surrogate: Toluene-d8	*30.4*		µg/kg wet		*30.0*		*101*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*30.6*		µg/kg wet		*30.0*		*102*	*70-130*		
Surrogate: Dibromofluoromethane	*31.0*		µg/kg wet		*30.0*		*103*	*70-130*		
LCS (9011507-BS1)										
Prepared & Analyzed: 23-Jan-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	22.8		µg/kg wet		20.0		114	70-130		
Acetone	15.9		µg/kg wet		20.0		79	7.9-168		
Acrylonitrile	21.0		µg/kg wet		20.0		105	70-130		
Benzene	18.5		µg/kg wet		20.0		92	70-130		
Bromobenzene	20.9		µg/kg wet		20.0		105	70-130		
Bromochloromethane	20.3		µg/kg wet		20.0		102	70-130		
Bromodichloromethane	19.6		µg/kg wet		20.0		98	70-130		
Bromoform	17.6		µg/kg wet		20.0		88	70-130		
Bromomethane	18.2		µg/kg wet		20.0		91	50-134		
2-Butanone (MEK)	19.5		µg/kg wet		20.0		97	44.6-130		
n-Butylbenzene	19.2		µg/kg wet		20.0		96	70-130		
sec-Butylbenzene	21.0		µg/kg wet		20.0		105	70-130		
tert-Butylbenzene	22.2		µg/kg wet		20.0		111	70-130		
Carbon disulfide	22.2		µg/kg wet		20.0		111	70-130		
Carbon tetrachloride	17.1		µg/kg wet		20.0		86	70-130		
Chlorobenzene	22.9		µg/kg wet		20.0		114	70-130		
Chloroethane	17.0		µg/kg wet		20.0		85	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 9011507 - SW846 5030 Soil (high level)										
LCS (9011507-BS1)										
Prepared & Analyzed: 23-Jan-09										
Chloroform	21.4		µg/kg wet		20.0		107	70-130		
Chloromethane	17.6		µg/kg wet		20.0		88	70-130		
2-Chlorotoluene	18.7		µg/kg wet		20.0		93	70-130		
4-Chlorotoluene	20.0		µg/kg wet		20.0		100	70-130		
1,2-Dibromo-3-chloropropane	13.9	QC1	µg/kg wet		20.0		69	70-130		
Dibromochloromethane	19.8		µg/kg wet		20.0		99	63.8-130		
1,2-Dibromoethane (EDB)	18.4		µg/kg wet		20.0		92	70-130		
Dibromomethane	20.0		µg/kg wet		20.0		100	70-130		
1,2-Dichlorobenzene	19.8		µg/kg wet		20.0		99	70-130		
1,3-Dichlorobenzene	21.1		µg/kg wet		20.0		106	70-130		
1,4-Dichlorobenzene	21.2		µg/kg wet		20.0		106	70-130		
Dichlorodifluoromethane (Freon12)	15.5		µg/kg wet		20.0		78	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		105	70-130		
1,1-Dichloroethene	20.7		µg/kg wet		20.0		104	70-130		
cis-1,2-Dichloroethene	20.0		µg/kg wet		20.0		100	70-130		
trans-1,2-Dichloroethene	20.0		µg/kg wet		20.0		100	70-130		
1,2-Dichloropropane	18.5		µg/kg wet		20.0		92	70-130		
1,3-Dichloropropane	18.3		µg/kg wet		20.0		92	70-130		
2,2-Dichloropropane	12.4	QC2	µg/kg wet		20.0		62	70-130		
1,1-Dichloropropene	19.3		µg/kg wet		20.0		97	70-130		
cis-1,3-Dichloropropene	15.8		µg/kg wet		20.0		79	70-130		
trans-1,3-Dichloropropene	14.0		µg/kg wet		20.0		70	70-130		
Ethylbenzene	19.9		µg/kg wet		20.0		99	70-130		
Hexachlorobutadiene	18.5		µg/kg wet		20.0		92	68.3-130		
2-Hexanone (MBK)	18.9		µg/kg wet		20.0		94	70-130		
Isopropylbenzene	17.4		µg/kg wet		20.0		87	70-130		
4-Isopropyltoluene	19.9		µg/kg wet		20.0		99	70-130		
Methyl tert-butyl ether	19.2		µg/kg wet		20.0		96	70-130		
4-Methyl-2-pentanone (MIBK)	19.4		µg/kg wet		20.0		97	53.1-132		
Methylene chloride	21.9		µg/kg wet		20.0		110	70-130		
Naphthalene	18.2		µg/kg wet		20.0		91	70-130		
n-Propylbenzene	20.0		µg/kg wet		20.0		100	70-130		
Styrene	20.3		µg/kg wet		20.0		102	70-130		
1,1,1,2-Tetrachloroethane	18.2		µg/kg wet		20.0		91	70-130		
1,1,2,2-Tetrachloroethane	20.1		µg/kg wet		20.0		100	70-130		
Tetrachloroethene	20.9		µg/kg wet		20.0		105	70-130		
Toluene	19.3		µg/kg wet		20.0		97	70-130		
1,2,3-Trichlorobenzene	20.0		µg/kg wet		20.0		100	70-130		
1,2,4-Trichlorobenzene	19.1		µg/kg wet		20.0		95	70-130		
1,3,5-Trichlorobenzene	19.2		µg/kg wet		20.0		96	70-130		
1,1,1-Trichloroethane	18.1		µg/kg wet		20.0		90	70-130		
1,1,2-Trichloroethane	18.9		µg/kg wet		20.0		95	70-130		
Trichloroethene	20.1		µg/kg wet		20.0		101	70-130		
Trichlorofluoromethane (Freon 11)	19.3		µg/kg wet		20.0		97	68.2-130		
1,2,3-Trichloropropane	24.5		µg/kg wet		20.0		122	70-130		
1,2,4-Trimethylbenzene	20.6		µg/kg wet		20.0		103	70-130		
1,3,5-Trimethylbenzene	21.1		µg/kg wet		20.0		106	70-130		
Vinyl chloride	19.6		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 9011507 - SW846 5030 Soil (high level)										
LCS (9011507-BS1)										
Prepared & Analyzed: 23-Jan-09										
m,p-Xylene	40.0		µg/kg wet		40.0		100	70-130		
o-Xylene	20.5		µg/kg wet		20.0		102	70-130		
Tetrahydrofuran	20.5		µg/kg wet		20.0		102	70-130		
Ethyl ether	19.7		µg/kg wet		20.0		99	70-130		
Tert-amyl methyl ether	27.6	QC2	µg/kg wet		20.0		138	70-130		
Ethyl tert-butyl ether	12.2	QC2	µg/kg wet		20.0		61	70-130		
Di-isopropyl ether	16.4		µg/kg wet		20.0		82	70-130		
Tert-Butanol / butyl alcohol	190		µg/kg wet		200		95	70-130		
1,4-Dioxane	185		µg/kg wet		200		93	48.7-130		
trans-1,4-Dichloro-2-butene	14.8		µg/kg wet		20.0		74	70-130		
Ethanol	379		µg/kg wet		400		95	70-130		
Surrogate: 4-Bromofluorobenzene	*30.4*		µg/kg wet		*30.0*		*101*	*70-130*		
Surrogate: Toluene-d8	*29.7*		µg/kg wet		*30.0*		*99*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*29.0*		µg/kg wet		*30.0*		*97*	*70-130*		
Surrogate: Dibromofluoromethane	*31.0*		µg/kg wet		*30.0*		*103*	*70-130*		
LCS Dup (9011507-BSD1)										
Prepared & Analyzed: 23-Jan-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	23.6		µg/kg wet		20.0		118	70-130	4	25
Acetone	14.0		µg/kg wet		20.0		70	7.9-168	13	50
Acrylonitrile	22.3		µg/kg wet		20.0		111	70-130	6	25
Benzene	19.0		µg/kg wet		20.0		95	70-130	3	25
Bromobenzene	20.8		µg/kg wet		20.0		104	70-130	0.5	25
Bromochloromethane	20.1		µg/kg wet		20.0		101	70-130	1	25
Bromodichloromethane	19.8		µg/kg wet		20.0		99	70-130	0.7	25
Bromoform	17.4		µg/kg wet		20.0		87	70-130	1	25
Bromomethane	18.5		µg/kg wet		20.0		92	50-134	1	50
2-Butanone (MEK)	21.2		µg/kg wet		20.0		106	44.6-130	9	50
n-Butylbenzene	20.0		µg/kg wet		20.0		100	70-130	4	25
sec-Butylbenzene	21.2		µg/kg wet		20.0		106	70-130	0.7	25
tert-Butylbenzene	21.9		µg/kg wet		20.0		109	70-130	1	25
Carbon disulfide	22.6		µg/kg wet		20.0		113	70-130	2	25
Carbon tetrachloride	17.1		µg/kg wet		20.0		85	70-130	0.4	25
Chlorobenzene	22.8		µg/kg wet		20.0		114	70-130	0.5	25
Chloroethane	17.6		µg/kg wet		20.0		88	59.2-130	3	50
Chloroform	22.0		µg/kg wet		20.0		110	70-130	3	25
Chloromethane	18.8		µg/kg wet		20.0		94	70-130	7	25
2-Chlorotoluene	19.0		µg/kg wet		20.0		95	70-130	2	25
4-Chlorotoluene	20.2		µg/kg wet		20.0		101	70-130	1	25
1,2-Dibromo-3-chloropropane	14.8		µg/kg wet		20.0		74	70-130	7	25
Dibromochloromethane	18.8		µg/kg wet		20.0		94	63.8-130	5	50
1,2-Dibromoethane (EDB)	18.6		µg/kg wet		20.0		93	70-130	1	25
Dibromomethane	19.7		µg/kg wet		20.0		98	70-130	2	25
1,2-Dichlorobenzene	19.9		µg/kg wet		20.0		100	70-130	0.8	25
1,3-Dichlorobenzene	21.1		µg/kg wet		20.0		105	70-130	0.3	25
1,4-Dichlorobenzene	21.8		µg/kg wet		20.0		109	70-130	3	25
Dichlorodifluoromethane (Freon12)	16.3		µg/kg wet		20.0		82	41.8-130	5	50
1,1-Dichloroethane	22.3		µg/kg wet		20.0		112	70-130	3	25
1,2-Dichloroethane	21.9		µg/kg wet		20.0		109	70-130	4	25
1,1-Dichloroethene	20.9		µg/kg wet		20.0		105	70-130	0.9	25
cis-1,2-Dichloroethene	20.4		µg/kg wet		20.0		102	70-130	2	25

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9011507 - SW846 5030 Soil (high level)										
LCS Dup (9011507-BSD1)										
Prepared & Analyzed: 23-Jan-09										
trans-1,2-Dichloroethene	19.6		µg/kg wet		20.0		98	70-130	2	25
1,2-Dichloropropane	18.8		µg/kg wet		20.0		94	70-130	2	25
1,3-Dichloropropane	18.9		µg/kg wet		20.0		95	70-130	3	25
2,2-Dichloropropane	12.6	QC2	µg/kg wet		20.0		63	70-130	1	25
1,1-Dichloropropene	19.6		µg/kg wet		20.0		98	70-130	1	25
cis-1,3-Dichloropropene	16.2		µg/kg wet		20.0		81	70-130	3	25
trans-1,3-Dichloropropene	14.3		µg/kg wet		20.0		71	70-130	2	25
Ethylbenzene	20.3		µg/kg wet		20.0		102	70-130	2	25
Hexachlorobutadiene	18.8		µg/kg wet		20.0		94	68.3-130	2	50
2-Hexanone (MBK)	19.6		µg/kg wet		20.0		98	70-130	4	25
Isopropylbenzene	17.6		µg/kg wet		20.0		88	70-130	1	25
4-Isopropyltoluene	20.5		µg/kg wet		20.0		103	70-130	3	25
Methyl tert-butyl ether	20.5		µg/kg wet		20.0		102	70-130	6	25
4-Methyl-2-pentanone (MIBK)	20.6		µg/kg wet		20.0		103	53.1-132	6	50
Methylene chloride	22.2		µg/kg wet		20.0		111	70-130	1	25
Naphthalene	18.7		µg/kg wet		20.0		94	70-130	3	25
n-Propylbenzene	20.0		µg/kg wet		20.0		100	70-130	0.2	25
Styrene	20.6		µg/kg wet		20.0		103	70-130	1	25
1,1,1,2-Tetrachloroethane	18.8		µg/kg wet		20.0		94	70-130	3	25
1,1,2,2-Tetrachloroethane	20.2		µg/kg wet		20.0		101	70-130	0.8	25
Tetrachloroethene	20.5		µg/kg wet		20.0		102	70-130	2	25
Toluene	19.5		µg/kg wet		20.0		98	70-130	0.9	25
1,2,3-Trichlorobenzene	20.2		µg/kg wet		20.0		101	70-130	0.9	25
1,2,4-Trichlorobenzene	19.3		µg/kg wet		20.0		96	70-130	1	25
1,3,5-Trichlorobenzene	19.1		µg/kg wet		20.0		96	70-130	0.5	25
1,1,1-Trichloroethane	18.3		µg/kg wet		20.0		91	70-130	1	25
1,1,2-Trichloroethane	19.4		µg/kg wet		20.0		97	70-130	3	25
Trichloroethene	20.2		µg/kg wet		20.0		101	70-130	0.4	25
Trichlorofluoromethane (Freon 11)	20.0		µg/kg wet		20.0		100	68.2-130	4	50
1,2,3-Trichloropropane	25.7		µg/kg wet		20.0		129	70-130	5	25
1,2,4-Trimethylbenzene	20.6		µg/kg wet		20.0		103	70-130	0.3	25
1,3,5-Trimethylbenzene	21.2		µg/kg wet		20.0		106	70-130	0.6	25
Vinyl chloride	20.9		µg/kg wet		20.0		104	70-130	7	25
m,p-Xylene	39.9		µg/kg wet		40.0		100	70-130	0.3	25
o-Xylene	20.7		µg/kg wet		20.0		104	70-130	1	25
Tetrahydrofuran	21.4		µg/kg wet		20.0		107	70-130	4	25
Ethyl ether	20.2		µg/kg wet		20.0		101	70-130	3	50
Tert-amyl methyl ether	28.8	QC2	µg/kg wet		20.0		144	70-130	4	25
Ethyl tert-butyl ether	13.2	QC2	µg/kg wet		20.0		66	70-130	7	25
Di-isopropyl ether	17.0		µg/kg wet		20.0		85	70-130	4	25
Tert-Butanol / butyl alcohol	205		µg/kg wet		200		102	70-130	7	25
1,4-Dioxane	219		µg/kg wet		200		109	48.7-130	17	25
trans-1,4-Dichloro-2-butene	17.0		µg/kg wet		20.0		85	70-130	14	25
Ethanol	444		µg/kg wet		400		111	70-130	16	30
Surrogate: 4-Bromofluorobenzene	*29.9*		µg/kg wet		*30.0*		*100*	*70-130*		
Surrogate: Toluene-d8	*30.1*		µg/kg wet		*30.0*		*100*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*29.7*		µg/kg wet		*30.0*		*99*	*70-130*		
Surrogate: Dibromofluoromethane	*30.1*		µg/kg wet		*30.0*		*100*	*70-130*		
Matrix Spike (9011507-MS1)	**Source: SA90067-01**									
Prepared & Analyzed: 23-Jan-09										

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9011507 - SW846 5030 Soil (high level)										
Matrix Spike (9011507-MS1)	**Source: SA90067-01**									
Prepared & Analyzed: 23-Jan-09										
Benzene	16.7		µg/kg dry		20.0	BRL	84	70-130		
Chlorobenzene	22.7		µg/kg dry		20.0	BRL	114	70-130		
1,1-Dichloroethene	17.9		µg/kg dry		20.0	BRL	90	70-130		
Toluene	18.6		µg/kg dry		20.0	1.0	88	70-130		
Trichloroethene	18.9		µg/kg dry		20.0	BRL	95	70-130		
Surrogate: 4-Bromofluorobenzene	*31.7*		µg/kg dry		*30.0*		*106*	*70-130*		
Surrogate: Toluene-d8	*30.0*		µg/kg dry		*30.0*		*100*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*29.3*		µg/kg dry		*30.0*		*98*	*70-130*		
Surrogate: Dibromofluoromethane	*30.0*		µg/kg dry		*30.0*		*100*	*70-130*		
Matrix Spike Dup (9011507-MSD1)	**Source: SA90067-01**									
Prepared & Analyzed: 23-Jan-09										
Benzene	18.6		µg/kg dry		20.0	BRL	93	70-130	10	30
Chlorobenzene	23.3		µg/kg dry		20.0	BRL	116	70-130	2	30
1,1-Dichloroethene	19.4		µg/kg dry		20.0	BRL	97	70-130	8	30
Toluene	19.9		µg/kg dry		20.0	1.0	95	70-130	7	30
Trichloroethene	20.3		µg/kg dry		20.0	BRL	102	70-130	7	30
Surrogate: 4-Bromofluorobenzene	*31.2*		µg/kg dry		*30.0*		*104*	*70-130*		
Surrogate: Toluene-d8	*30.2*		µg/kg dry		*30.0*		*101*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*30.6*		µg/kg dry		*30.0*		*102*	*70-130*		
Surrogate: Dibromofluoromethane	*29.8*		µg/kg dry		*30.0*		*99*	*70-130*		
Batch 9011742 - SW846 5030 Soil (high level)										
Blank (9011742-BLK1)										
Prepared & Analyzed: 27-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						

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9011742 - SW846 5030 Soil (high level)										
Blank (9011742-BLK1)										
Prepared & Analyzed: 27-Jan-09										
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						
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						
Surrogate: 4-Bromofluorobenzene	*29.8*		µg/kg wet		*30.0*		*99*	*70-130*		
Surrogate: Toluene-d8	*31.5*		µg/kg wet		*30.0*		*105*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*29.7*		µg/kg wet		*30.0*		*99*	*70-130*		
Surrogate: Dibromofluoromethane	*30.8*		µg/kg wet		*30.0*		*103*	*70-130*		
LCS (9011742-BS1)										
Prepared & Analyzed: 27-Jan-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	24.1		µg/kg wet		20.0		121	70-130		
Acetone	14.4		µg/kg wet		20.0		72	7.9-168		
Acrylonitrile	22.6		µg/kg wet		20.0		113	70-130		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9011742 - SW846 5030 Soil (high level)										
LCS (9011742-BS1)										
Prepared & Analyzed: 27-Jan-09										
Benzene	18.8		µg/kg wet		20.0		94	70-130		
Bromobenzene	21.8		µg/kg wet		20.0		109	70-130		
Bromochloromethane	21.8		µg/kg wet		20.0		109	70-130		
Bromodichloromethane	17.4		µg/kg wet		20.0		87	70-130		
Bromoform	16.2		µg/kg wet		20.0		81	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	17.5		µg/kg wet		20.0		87	70-130		
sec-Butylbenzene	20.8		µg/kg wet		20.0		104	70-130		
tert-Butylbenzene	22.6		µg/kg wet		20.0		113	70-130		
Carbon disulfide	21.0		µg/kg wet		20.0		105	70-130		
Carbon tetrachloride	15.1		µg/kg wet		20.0		76	70-130		
Chlorobenzene	23.4		µg/kg wet		20.0		117	70-130		
Chloroethane	16.8		µg/kg wet		20.0		84	59.2-130		
Chloroform	22.3		µg/kg wet		20.0		111	70-130		
Chloromethane	16.4		µg/kg wet		20.0		82	70-130		
2-Chlorotoluene	19.4		µg/kg wet		20.0		97	70-130		
4-Chlorotoluene	19.9		µg/kg wet		20.0		100	70-130		
1,2-Dibromo-3-chloropropane	10.1	QC2	µg/kg wet		20.0		51	70-130		
Dibromochloromethane	17.0		µg/kg wet		20.0		85	63.8-130		
1,2-Dibromoethane (EDB)	17.3		µg/kg wet		20.0		86	70-130		
Dibromomethane	20.6		µg/kg wet		20.0		103	70-130		
1,2-Dichlorobenzene	19.6		µg/kg wet		20.0		98	70-130		
1,3-Dichlorobenzene	22.3		µg/kg wet		20.0		111	70-130		
1,4-Dichlorobenzene	21.0		µg/kg wet		20.0		105	70-130		
Dichlorodifluoromethane (Freon12)	16.9		µg/kg wet		20.0		85	41.8-130		
1,1-Dichloroethane	22.0		µg/kg wet		20.0		110	70-130		
1,2-Dichloroethane	21.6		µg/kg wet		20.0		108	70-130		
1,1-Dichloroethene	21.0		µg/kg wet		20.0		105	70-130		
cis-1,2-Dichloroethene	21.1		µg/kg wet		20.0		106	70-130		
trans-1,2-Dichloroethene	20.1		µg/kg wet		20.0		100	70-130		
1,2-Dichloropropane	17.8		µg/kg wet		20.0		89	70-130		
1,3-Dichloropropane	18.7		µg/kg wet		20.0		93	70-130		
2,2-Dichloropropane	10.7	QC2	µg/kg wet		20.0		53	70-130		
1,1-Dichloropropene	19.6		µg/kg wet		20.0		98	70-130		
cis-1,3-Dichloropropene	13.3	QC2	µg/kg wet		20.0		67	70-130		
trans-1,3-Dichloropropene	11.5	QC2	µg/kg wet		20.0		58	70-130		
Ethylbenzene	19.8		µg/kg wet		20.0		99	70-130		
Hexachlorobutadiene	17.7		µg/kg wet		20.0		89	68.3-130		
2-Hexanone (MBK)	18.4		µg/kg wet		20.0		92	70-130		
Isopropylbenzene	17.5		µg/kg wet		20.0		87	70-130		
4-Isopropyltoluene	19.0		µg/kg wet		20.0		95	70-130		
Methyl tert-butyl ether	20.8		µg/kg wet		20.0		104	70-130		
4-Methyl-2-pentanone (MIBK)	19.1		µg/kg wet		20.0		96	53.1-132		
Methylene chloride	23.5		µg/kg wet		20.0		118	70-130		
Naphthalene	17.3		µg/kg wet		20.0		86	70-130		
n-Propylbenzene	19.4		µg/kg wet		20.0		97	70-130		
Styrene	20.8		µg/kg wet		20.0		104	70-130		
1,1,1,2-Tetrachloroethane	14.3		µg/kg wet		20.0		72	70-130		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9011742 - SW846 5030 Soil (high level)										
LCS (9011742-BS1)										
Prepared & Analyzed: 27-Jan-09										
1,1,2,2-Tetrachloroethane	19.2		µg/kg wet		20.0		96	70-130		
Tetrachloroethene	23.1		µg/kg wet		20.0		115	70-130		
Toluene	20.4		µg/kg wet		20.0		102	70-130		
1,2,3-Trichlorobenzene	19.2		µg/kg wet		20.0		96	70-130		
1,2,4-Trichlorobenzene	18.0		µg/kg wet		20.0		90	70-130		
1,3,5-Trichlorobenzene	18.2		µg/kg wet		20.0		91	70-130		
1,1,1-Trichloroethane	16.1		µg/kg wet		20.0		81	70-130		
1,1,2-Trichloroethane	19.5		µg/kg wet		20.0		97	70-130		
Trichloroethene	21.0		µg/kg wet		20.0		105	70-130		
Trichlorofluoromethane (Freon 11)	20.3		µg/kg wet		20.0		102	68.2-130		
1,2,3-Trichloropropane	23.7		µg/kg wet		20.0		119	70-130		
1,2,4-Trimethylbenzene	20.5		µg/kg wet		20.0		103	70-130		
1,3,5-Trimethylbenzene	21.0		µg/kg wet		20.0		105	70-130		
Vinyl chloride	19.0		µg/kg wet		20.0		95	70-130		
m,p-Xylene	39.8		µg/kg wet		40.0		99	70-130		
o-Xylene	21.3		µg/kg wet		20.0		107	70-130		
Surrogate: 4-Bromofluorobenzene	*31.6*		µg/kg wet		*30.0*		*105*	*70-130*		
Surrogate: Toluene-d8	*31.7*		µg/kg wet		*30.0*		*106*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*30.5*		µg/kg wet		*30.0*		*102*	*70-130*		
Surrogate: Dibromofluoromethane	*31.6*		µg/kg wet		*30.0*		*105*	*70-130*		
LCS Dup (9011742-BSD1)										
Prepared & Analyzed: 27-Jan-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	24.9		µg/kg wet		20.0		125	70-130	3	25
Acetone	14.1		µg/kg wet		20.0		71	7.9-168	2	50
Acrylonitrile	20.0		µg/kg wet		20.0		100	70-130	12	25
Benzene	19.0		µg/kg wet		20.0		95	70-130	1	25
Bromobenzene	21.8		µg/kg wet		20.0		109	70-130	0.2	25
Bromochloromethane	21.9		µg/kg wet		20.0		109	70-130	0.4	25
Bromodichloromethane	18.7		µg/kg wet		20.0		94	70-130	7	25
Bromoform	16.6		µg/kg wet		20.0		83	70-130	3	25
Bromomethane	19.8		µg/kg wet		20.0		99	50-134	0.6	50
2-Butanone (MEK)	19.4		µg/kg wet		20.0		97	44.6-130	9	50
n-Butylbenzene	17.2		µg/kg wet		20.0		86	70-130	2	25
sec-Butylbenzene	20.6		µg/kg wet		20.0		103	70-130	1	25
tert-Butylbenzene	22.4		µg/kg wet		20.0		112	70-130	1	25
Carbon disulfide	21.6		µg/kg wet		20.0		108	70-130	3	25
Carbon tetrachloride	15.4		µg/kg wet		20.0		77	70-130	2	25
Chlorobenzene	22.8		µg/kg wet		20.0		114	70-130	3	25
Chloroethane	17.0		µg/kg wet		20.0		85	59.2-130	1	50
Chloroform	22.3		µg/kg wet		20.0		111	70-130	0.09	25
Chloromethane	18.4		µg/kg wet		20.0		92	70-130	11	25
2-Chlorotoluene	19.0		µg/kg wet		20.0		95	70-130	2	25
4-Chlorotoluene	19.8		µg/kg wet		20.0		99	70-130	0.5	25
1,2-Dibromo-3-chloropropane	11.3	QC2	µg/kg wet		20.0		57	70-130	11	25
Dibromochloromethane	18.3		µg/kg wet		20.0		91	63.8-130	7	50
1,2-Dibromoethane (EDB)	17.7		µg/kg wet		20.0		88	70-130	2	25
Dibromomethane	20.3		µg/kg wet		20.0		102	70-130	2	25
1,2-Dichlorobenzene	19.0		µg/kg wet		20.0		95	70-130	3	25
1,3-Dichlorobenzene	21.9		µg/kg wet		20.0		110	70-130	2	25
1,4-Dichlorobenzene	20.6		µg/kg wet		20.0		103	70-130	2	25

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9011742 - SW846 5030 Soil (high level)										
LCS Dup (9011742-BSD1)										
Prepared & Analyzed: 27-Jan-09										
Dichlorodifluoromethane (Freon12)	18.1		µg/kg wet		20.0		90	41.8-130	7	50
1,1-Dichloroethane	21.5		µg/kg wet		20.0		107	70-130	2	25
1,2-Dichloroethane	21.5		µg/kg wet		20.0		108	70-130	0.5	25
1,1-Dichloroethene	22.2		µg/kg wet		20.0		111	70-130	5	25
cis-1,2-Dichloroethene	21.1		µg/kg wet		20.0		106	70-130	0.1	25
trans-1,2-Dichloroethene	20.1		µg/kg wet		20.0		101	70-130	0.1	25
1,2-Dichloropropane	18.0		µg/kg wet		20.0		90	70-130	1	25
1,3-Dichloropropane	18.4		µg/kg wet		20.0		92	70-130	2	25
2,2-Dichloropropane	11.0	QC2	µg/kg wet		20.0		55	70-130	3	25
1,1-Dichloropropene	19.2		µg/kg wet		20.0		96	70-130	2	25
cis-1,3-Dichloropropene	13.5	QC2	µg/kg wet		20.0		68	70-130	1	25
trans-1,3-Dichloropropene	12.3	QC2	µg/kg wet		20.0		61	70-130	6	25
Ethylbenzene	19.8		µg/kg wet		20.0		99	70-130	0.05	25
Hexachlorobutadiene	17.8		µg/kg wet		20.0		89	68.3-130	0.2	50
2-Hexanone (MBK)	17.2		µg/kg wet		20.0		86	70-130	7	25
Isopropylbenzene	17.3		µg/kg wet		20.0		87	70-130	0.9	25
4-Isopropyltoluene	18.7		µg/kg wet		20.0		94	70-130	1	25
Methyl tert-butyl ether	20.0		µg/kg wet		20.0		100	70-130	4	25
4-Methyl-2-pentanone (MIBK)	18.3		µg/kg wet		20.0		91	53.1-132	5	50
Methylene chloride	22.7		µg/kg wet		20.0		113	70-130	4	25
Naphthalene	17.2		µg/kg wet		20.0		86	70-130	0.3	25
n-Propylbenzene	19.2		µg/kg wet		20.0		96	70-130	1	25
Styrene	19.8		µg/kg wet		20.0		99	70-130	5	25
1,1,1,2-Tetrachloroethane	16.2		µg/kg wet		20.0		81	70-130	13	25
1,1,2,2-Tetrachloroethane	18.7		µg/kg wet		20.0		94	70-130	3	25
Tetrachloroethene	22.0		µg/kg wet		20.0		110	70-130	5	25
Toluene	19.4		µg/kg wet		20.0		97	70-130	5	25
1,2,3-Trichlorobenzene	19.2		µg/kg wet		20.0		96	70-130	0	25
1,2,4-Trichlorobenzene	18.2		µg/kg wet		20.0		91	70-130	0.8	25
1,3,5-Trichlorobenzene	18.2		µg/kg wet		20.0		91	70-130	0.05	25
1,1,1-Trichloroethane	16.6		µg/kg wet		20.0		83	70-130	3	25
1,1,2-Trichloroethane	19.7		µg/kg wet		20.0		98	70-130	1	25
Trichloroethene	21.4		µg/kg wet		20.0		107	70-130	2	25
Trichlorofluoromethane (Freon 11)	20.5		µg/kg wet		20.0		103	68.2-130	0.9	50
1,2,3-Trichloropropane	23.2		µg/kg wet		20.0		116	70-130	2	25
1,2,4-Trimethylbenzene	20.4		µg/kg wet		20.0		102	70-130	0.7	25
1,3,5-Trimethylbenzene	20.6		µg/kg wet		20.0		103	70-130	2	25
Vinyl chloride	19.8		µg/kg wet		20.0		99	70-130	4	25
m,p-Xylene	39.1		µg/kg wet		40.0		98	70-130	2	25
o-Xylene	20.8		µg/kg wet		20.0		104	70-130	3	25
Surrogate: 4-Bromofluorobenzene	*30.8*		µg/kg wet		*30.0*		*103*	*70-130*		
Surrogate: Toluene-d8	*31.4*		µg/kg wet		*30.0*		*105*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*29.4*		µg/kg wet		*30.0*		*98*	*70-130*		
Surrogate: Dibromofluoromethane	*32.1*		µg/kg wet		*30.0*		*107*	*70-130*		
Matrix Spike (9011742-MS1) **Source: SA90067-03**										
Prepared: 27-Jan-09 Analyzed: 28-Jan-09										
Benzene	18.1		µg/kg dry		20.0	BRL	90	70-130		
Chlorobenzene	22.4		µg/kg dry		20.0	BRL	112	70-130		
1,1-Dichloroethene	19.2		µg/kg dry		20.0	BRL	96	70-130		
Toluene	19.1		µg/kg dry		20.0	BRL	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 9011742 - SW846 5030 Soil (high level)										
Matrix Spike (9011742-MS1) **Source: SA90067-03**										
Prepared: 27-Jan-09 Analyzed: 28-Jan-09										
Trichloroethene	22.3		µg/kg dry		20.0	5.0	87	70-130		
Surrogate: 4-Bromofluorobenzene	*32.4*		µg/kg dry		*30.0*		*108*	*70-130*		
Surrogate: Toluene-d8	*31.0*		µg/kg dry		*30.0*		*103*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*29.9*		µg/kg dry		*30.0*		*100*	*70-130*		
Surrogate: Dibromofluoromethane	*31.9*		µg/kg dry		*30.0*		*106*	*70-130*		
Matrix Spike Dup (9011742-MSD1) **Source: SA90067-03**										
Prepared: 27-Jan-09 Analyzed: 28-Jan-09										
Benzene	19.8		µg/kg dry		20.0	BRL	99	70-130	9	30
Chlorobenzene	24.2		µg/kg dry		20.0	BRL	121	70-130	8	30
1,1-Dichloroethene	21.4		µg/kg dry		20.0	BRL	107	70-130	11	30
Toluene	21.0		µg/kg dry		20.0	BRL	105	70-130	10	30
Trichloroethene	24.8		µg/kg dry		20.0	5.0	99	70-130	14	30
Surrogate: 4-Bromofluorobenzene	*31.5*		µg/kg dry		*30.0*		*105*	*70-130*		
Surrogate: Toluene-d8	*32.1*		µg/kg dry		*30.0*		*107*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*30.8*		µg/kg dry		*30.0*		*103*	*70-130*		
Surrogate: Dibromofluoromethane	*32.4*		µg/kg dry		*30.0*		*108*	*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 9011365 - SW846 3550B										
Blank (9011365-BLK1)										
Prepared: 22-Jan-09 Analyzed: 25-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 9011365 - SW846 3550B										
Blank (9011365-BLK1)										
Prepared: 22-Jan-09 Analyzed: 25-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	*2360*		µg/kg wet		*3330*		*71*	*30-130*		
Surrogate: 2-Fluorophenol	*2150*		µg/kg wet		*3330*		*65*	*15-110*		
Surrogate: Nitrobenzene-d5	*2330*		µg/kg wet		*3330*		*70*	*30-130*		
Surrogate: Phenol-d5	*2190*		µg/kg wet		*3330*		*66*	*15-110*		
Surrogate: Terphenyl-dl4	*1960*		µg/kg wet		*3330*		*59*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*2390*		µg/kg wet		*3330*		*72*	*15-110*		
LCS (9011365-BS1)										
Prepared: 22-Jan-09 Analyzed: 25-Jan-09										
Acenaphthene	2550		µg/kg wet	330	3330		76	40-130		
Acenaphthylene	2430		µg/kg wet	330	3330		73	40-130		
Aniline	551	QC2	µg/kg wet	330	3330		17	40-130		
Anthracene	2560		µg/kg wet	330	3330		77	40-130		
Atrazine	1740		µg/kg wet	330	3330		52	40-130		
Azobenzene/Diphenyldiazine	2810		µg/kg wet	330	3330		84	40-130		
Benzidine	BRL		µg/kg wet	330	3330			0-130		
Benzo (a) anthracene	2290		µg/kg wet	330	3330		69	40-130		
Benzo (a) pyrene	2520		µg/kg wet	330	3330		76	40-130		
Benzo (b) fluoranthene	2310		µg/kg wet	330	3330		69	40-130		
Benzo (g,h,i) perylene	2590		µg/kg wet	330	3330		78	40-130		
Benzo (k) fluoranthene	2840		µg/kg wet	330	3330		85	40-130		
Benzoic acid	3050		µg/kg wet	330	3330		92	19.5-130		
Benzyl alcohol	2380		µg/kg wet	330	3330		71	40-130		
Bis(2-chloroethoxy)methane	2880		µg/kg wet	330	3330		86	40-130		
Bis(2-chloroethyl)ether	2930		µg/kg wet	330	3330		88	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 9011365 - SW846 3550B										
LCS (9011365-BS1)										
Prepared: 22-Jan-09 Analyzed: 25-Jan-09										
Bis(2-chloroisopropyl)ether	2680		µg/kg wet	330	3330		80	40-130		
Bis(2-ethylhexyl)phthalate	2760		µg/kg wet	330	3330		83	40-130		
4-Bromophenyl phenyl ether	2890		µg/kg wet	330	3330		87	40-130		
Butyl benzyl phthalate	2680		µg/kg wet	330	3330		80	40-130		
Carbazole	3960		µg/kg wet	330	3330		119	40-130		
4-Chloro-3-methylphenol	2870		µg/kg wet	330	3330		86	40-130		
4-Chloroaniline	1350		µg/kg wet	330	3330		41	40-130		
2-Chloronaphthalene	2370		µg/kg wet	330	3330		71	40-130		
2-Chlorophenol	2510		µg/kg wet	330	3330		75	40-130		
4-Chlorophenyl phenyl ether	2880		µg/kg wet	330	3330		86	40-130		
Chrysene	2340		µg/kg wet	330	3330		70	40-130		
Dibenzo (a,h) anthracene	2580		µg/kg wet	330	3330		77	40-130		
Dibenzofuran	2470		µg/kg wet	330	3330		74	40-130		
1,2-Dichlorobenzene	2330		µg/kg wet	330	3330		70	40-130		
1,3-Dichlorobenzene	2370		µg/kg wet	330	3330		71	40-130		
1,4-Dichlorobenzene	2220		µg/kg wet	330	3330		67	40-130		
3,3'-Dichlorobenzidine	2510		µg/kg wet	330	3330		75	40-130		
2,4-Dichlorophenol	2650		µg/kg wet	330	3330		80	40-130		
Diethyl phthalate	2910		µg/kg wet	330	3330		87	40-130		
Dimethyl phthalate	2850		µg/kg wet	330	3330		85	40-130		
2,4-Dimethylphenol	2360		µg/kg wet	330	3330		71	40-130		
Di-n-butyl phthalate	3070		µg/kg wet	330	3330		92	40-130		
4,6-Dinitro-2-methylphenol	2680		µg/kg wet	330	3330		80	40-130		
2,4-Dinitrophenol	2830		µg/kg wet	330	3330		85	40-130		
2,4-Dinitrotoluene	2600		µg/kg wet	330	3330		78	40-130		
2,6-Dinitrotoluene	2710		µg/kg wet	330	3330		81	40-130		
Di-n-octyl phthalate	3170		µg/kg wet	330	3330		95	40-130		
Fluoranthene	2580		µg/kg wet	330	3330		77	40-130		
Fluorene	2660		µg/kg wet	330	3330		80	40-130		
Hexachlorobenzene	2510		µg/kg wet	330	3330		75	40-130		
Hexachlorobutadiene	2460		µg/kg wet	330	3330		74	40-130		
Hexachlorocyclopentadiene	2150		µg/kg wet	330	3330		64	40-130		
Hexachloroethane	2450		µg/kg wet	330	3330		74	40-130		
Indeno (1,2,3-cd) pyrene	2540		µg/kg wet	330	3330		76	40-130		
Isophorone	2450		µg/kg wet	330	3330		74	40-130		
1-Methylnaphthalene	2560		µg/kg wet	330	3330		77	40-140		
2-Methylnaphthalene	2460		µg/kg wet	330	3330		74	40-130		
2-Methylphenol	2690		µg/kg wet	330	3330		81	40-130		
3 & 4-Methylphenol	2710		µg/kg wet	330	3330		81	40-130		
Naphthalene	2510		µg/kg wet	330	3330		75	40-130		
2-Nitroaniline	2630		µg/kg wet	330	3330		79	40-130		
3-Nitroaniline	2240		µg/kg wet	330	3330		67	40-130		
4-Nitroaniline	2650		µg/kg wet	1320	3330		79	40-130		
Nitrobenzene	2510		µg/kg wet	330	3330		75	40-130		
2-Nitrophenol	2600		µg/kg wet	330	3330		78	40-130		
4-Nitrophenol	1470		µg/kg wet	1320	3330		44	40-130		
N-Nitrosodimethylamine	2180		µg/kg wet	330	3330		65	40-130		
N-Nitrosodi-n-propylamine	2940		µg/kg wet	330	3330		88	40-130		
N-Nitrosodiphenylamine	3000		µg/kg wet	330	3330		90	40-130		

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9011365 - SW846 3550B										
LCS (9011365-BS1)										
Prepared: 22-Jan-09 Analyzed: 25-Jan-09										
Pentachlorophenol	3220		µg/kg wet	330	3330		97	40-130		
Phenanthrene	2670		µg/kg wet	330	3330		80	40-130		
Phenol	2480		µg/kg wet	330	3330		75	40-130		
Pyrene	2230		µg/kg wet	330	3330		67	40-130		
Pyridine	627		µg/kg wet	330	3330		19	0-130		
1,2,4-Trichlorobenzene	2390		µg/kg wet	330	3330		72	40-130		
2,4,5-Trichlorophenol	2720		µg/kg wet	330	3330		82	40-130		
2,4,6-Trichlorophenol	2400		µg/kg wet	330	3330		72	40-130		
Pentachloronitrobenzene	2770		µg/kg wet	330	3330		83	40-140		
1,2,4,5-Tetrachlorobenzene	2310		µg/kg wet	330	3330		69	40-140		
Surrogate: 2-Fluorobiphenyl	*2350*		µg/kg wet		*3330*		*70*	*30-130*		
Surrogate: 2-Fluorophenol	*2110*		µg/kg wet		*3330*		*63*	*15-110*		
Surrogate: Nitrobenzene-d5	*2530*		µg/kg wet		*3330*		*76*	*30-130*		
Surrogate: Phenol-d5	*2060*		µg/kg wet		*3330*		*62*	*15-110*		
Surrogate: Terphenyl-dl4	*2020*		µg/kg wet		*3330*		*61*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*2770*		µg/kg wet		*3330*		*83*	*15-110*		
Duplicate (9011365-DUP1) **Source: SA89905-01**										
Prepared: 22-Jan-09 Analyzed: 25-Jan-09										
Acenaphthene	BRL		µg/kg dry	374		BRL				50
Acenaphthylene	101	J	µg/kg dry	374		99.8			0.8	50
Aniline	BRL		µg/kg dry	374		BRL				50
Anthracene	135	J	µg/kg dry	374		125			7	50
Atrazine	BRL		µg/kg dry	374		BRL				50
Azobenzene/Diphenyldiazine	BRL		µg/kg dry	374		BRL				50
Benzidine	BRL		µg/kg dry	374		BRL				50
Benzo (a) anthracene	578		µg/kg dry	374		556			4	50
Benzo (a) pyrene	578		µg/kg dry	374		567			2	50
Benzo (b) fluoranthene	571		µg/kg dry	374		480			17	50
Benzo (g,h,i) perylene	308	J	µg/kg dry	374		336			9	50
Benzo (k) fluoranthene	429		µg/kg dry	374		548			24	50
Benzoic acid	BRL		µg/kg dry	374		BRL				50
Benzyl alcohol	BRL		µg/kg dry	374		BRL				50
Bis(2-chloroethoxy)methane	BRL		µg/kg dry	374		BRL				50
Bis(2-chloroethyl)ether	BRL		µg/kg dry	374		BRL				50
Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	374		BRL				50
Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	374		BRL				50
4-Bromophenyl phenyl ether	BRL		µg/kg dry	374		BRL				50
Butyl benzyl phthalate	BRL		µg/kg dry	374		BRL				50
Carbazole	BRL		µg/kg dry	374		BRL				50
4-Chloro-3-methylphenol	BRL		µg/kg dry	374		BRL				50
4-Chloroaniline	BRL		µg/kg dry	374		BRL				50
2-Chloronaphthalene	BRL		µg/kg dry	374		BRL				50
2-Chlorophenol	BRL		µg/kg dry	374		BRL				50
4-Chlorophenyl phenyl ether	BRL		µg/kg dry	374		BRL				50
Chrysene	590		µg/kg dry	374		561			5	50
Dibenzo (a,h) anthracene	82.4	J	µg/kg dry	374		82.5			0.2	50
Dibenzofuran	BRL		µg/kg dry	374		BRL				50
1,2-Dichlorobenzene	BRL		µg/kg dry	374		BRL				50
1,3-Dichlorobenzene	BRL		µg/kg dry	374		BRL				50
1,4-Dichlorobenzene	BRL		µg/kg dry	374		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 9011365 - SW846 3550B										
Duplicate (9011365-DUP1) **Source: SA89905-01**										
Prepared: 22-Jan-09 Analyzed: 25-Jan-09										
3,3'-Dichlorobenzidine	BRL		µg/kg dry	374		BRL				50
2,4-Dichlorophenol	BRL		µg/kg dry	374		BRL				50
Diethyl phthalate	BRL		µg/kg dry	374		BRL				50
Dimethyl phthalate	BRL		µg/kg dry	374		BRL				50
2,4-Dimethylphenol	BRL		µg/kg dry	374		BRL				50
Di-n-butyl phthalate	BRL		µg/kg dry	374		BRL				50
4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	374		BRL				50
2,4-Dinitrophenol	BRL		µg/kg dry	374		BRL				50
2,4-Dinitrotoluene	BRL		µg/kg dry	374		BRL				50
2,6-Dinitrotoluene	BRL		µg/kg dry	374		BRL				50
Di-n-octyl phthalate	BRL		µg/kg dry	374		BRL				50
Fluoranthene	1080		µg/kg dry	374		1000			7	50
Fluorene	BRL		µg/kg dry	374		BRL				50
Hexachlorobenzene	BRL		µg/kg dry	374		BRL				50
Hexachlorobutadiene	BRL		µg/kg dry	374		BRL				50
Hexachlorocyclopentadiene	BRL		µg/kg dry	374		BRL				50
Hexachloroethane	BRL		µg/kg dry	374		BRL				50
Indeno (1,2,3-cd) pyrene	308	J	µg/kg dry	374		341			10	50
Isophorone	BRL		µg/kg dry	374		BRL				50
1-Methylnaphthalene	BRL		µg/kg dry	374		BRL				50
2-Methylnaphthalene	BRL		µg/kg dry	374		BRL				50
2-Methylphenol	BRL		µg/kg dry	374		BRL				50
3 & 4-Methylphenol	BRL		µg/kg dry	374		BRL				50
Naphthalene	BRL		µg/kg dry	374		BRL				50
2-Nitroaniline	BRL		µg/kg dry	374		BRL				50
3-Nitroaniline	BRL		µg/kg dry	374		BRL				50
4-Nitroaniline	BRL		µg/kg dry	1500		BRL				50
Nitrobenzene	BRL		µg/kg dry	374		BRL				50
2-Nitrophenol	BRL		µg/kg dry	374		BRL				50
4-Nitrophenol	BRL		µg/kg dry	1500		BRL				50
N-Nitrosodimethylamine	BRL		µg/kg dry	374		BRL				50
N-Nitrosodi-n-propylamine	BRL		µg/kg dry	374		BRL				50
N-Nitrosodiphenylamine	BRL		µg/kg dry	374		BRL				50
Pentachlorophenol	BRL		µg/kg dry	374		BRL				50
Phenanthrene	504		µg/kg dry	374		499			0.9	50
Phenol	BRL		µg/kg dry	374		BRL				50
Pyrene	1100		µg/kg dry	374		1030			6	50
Pyridine	BRL		µg/kg dry	374		BRL				50
1,2,4-Trichlorobenzene	BRL		µg/kg dry	374		BRL				50
2,4,5-Trichlorophenol	BRL		µg/kg dry	374		BRL				50
2,4,6-Trichlorophenol	BRL		µg/kg dry	374		BRL				50
Pentachloronitrobenzene	BRL		µg/kg dry	374		BRL				50
1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	374		BRL				50
Surrogate: 2-Fluorobiphenyl	*1240*		µg/kg dry		*1890*		*66*	*30-130*		
Surrogate: 2-Fluorophenol	*786*		µg/kg dry		*1890*		*42*	*15-110*		
Surrogate: Nitrobenzene-d5	*1130*		µg/kg dry		*1890*		*60*	*30-130*		
Surrogate: Phenol-d5	*1010*		µg/kg dry		*1890*		*53*	*15-110*		
Surrogate: Terphenyl-dl4	*1070*		µg/kg dry		*1890*		*56*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*690*		µg/kg dry		*1890*		*37*	*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 9011365 - SW846 3550B										
Matrix Spike (9011365-MS1) **Source: SA89905-01**										
Prepared: 22-Jan-09 Analyzed: 25-Jan-09										
Acenaphthene	1530		µg/kg dry	371	1870	BRL	82	40-140		
Benzo (b) fluoranthene	1960		µg/kg dry	371	1870	480	79	40-140		
Benzo (k) fluoranthene	1920		µg/kg dry	371	1870	548	73	40-140		
4-Chloro-3-methylphenol	1560		µg/kg dry	371	1870	BRL	83	30-130		
2-Chlorophenol	1350		µg/kg dry	371	1870	BRL	72	30-130		
Chrysene	1700		µg/kg dry	371	1870	561	61	40-140		
1,4-Dichlorobenzene	1240		µg/kg dry	371	1870	BRL	66	40-140		
Indeno (1,2,3-cd) pyrene	1350		µg/kg dry	371	1870	341	54	40-140		
Naphthalene	1460		µg/kg dry	371	1870	BRL	78	40-140		
4-Nitrophenol	1230		µg/kg dry	1480	1870	BRL	66	30-130		
N-Nitrosodi-n-propylamine	1700		µg/kg dry	371	1870	BRL	91	40-140		
Pentachlorophenol	292	QM5	µg/kg dry	371	1870	BRL	16	30-130		
Phenol	1460		µg/kg dry	371	1870	BRL	78	30-130		
Pyrene	2310		µg/kg dry	371	1870	1030	68	40-140		
1,2,4-Trichlorobenzene	1300		µg/kg dry	371	1870	BRL	70	40-140		
Surrogate: 2-Fluorobiphenyl	*1350*		µg/kg dry		*1870*		*72*	*30-130*		
Surrogate: 2-Fluorophenol	*955*		µg/kg dry		*1870*		*51*	*15-110*		
Surrogate: Nitrobenzene-d5	*1310*		µg/kg dry		*1870*		*70*	*30-130*		
Surrogate: Phenol-d5	*1110*		µg/kg dry		*1870*		*59*	*15-110*		
Surrogate: Terphenyl-dl4	*1250*		µg/kg dry		*1870*		*67*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*1030*		µg/kg dry		*1870*		*55*	*15-110*		
Matrix Spike Dup (9011365-MSD1) **Source: SA89905-01**										
Prepared: 22-Jan-09 Analyzed: 25-Jan-09										
Acenaphthene	1400		µg/kg dry	372	1880	BRL	75	40-140	9	30
Benzo (b) fluoranthene	1860		µg/kg dry	372	1880	480	74	40-140	7	30
Benzo (k) fluoranthene	1910		µg/kg dry	372	1880	548	72	40-140	0.9	30
4-Chloro-3-methylphenol	1390		µg/kg dry	372	1880	BRL	74	30-130	12	30
2-Chlorophenol	1230		µg/kg dry	372	1880	BRL	66	30-130	9	30
Chrysene	1690		µg/kg dry	372	1880	561	60	40-140	1	30
1,4-Dichlorobenzene	1160		µg/kg dry	372	1880	BRL	62	40-140	7	30
Indeno (1,2,3-cd) pyrene	1330		µg/kg dry	372	1880	341	52	40-140	3	30
Naphthalene	1350		µg/kg dry	372	1880	BRL	72	40-140	8	30
4-Nitrophenol	1140		µg/kg dry	1490	1880	BRL	61	30-130	8	30
N-Nitrosodi-n-propylamine	1520		µg/kg dry	372	1880	BRL	81	40-140	11	30
Pentachlorophenol	377	QM5	µg/kg dry	372	1880	BRL	20	30-130	25	30
Phenol	1290		µg/kg dry	372	1880	BRL	69	30-130	13	30
Pyrene	2260		µg/kg dry	372	1880	1030	65	40-140	4	30
1,2,4-Trichlorobenzene	1170		µg/kg dry	372	1880	BRL	62	40-140	11	30
Surrogate: 2-Fluorobiphenyl	*1290*		µg/kg dry		*1880*		*69*	*30-130*		
Surrogate: 2-Fluorophenol	*930*		µg/kg dry		*1880*		*50*	*15-110*		
Surrogate: Nitrobenzene-d5	*1230*		µg/kg dry		*1880*		*65*	*30-130*		
Surrogate: Phenol-d5	*1030*		µg/kg dry		*1880*		*55*	*15-110*		
Surrogate: Terphenyl-dl4	*1120*		µg/kg dry		*1880*		*59*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*1010*		µg/kg dry		*1880*		*54*	*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 9011361 - SW846 3545A										
Blank (9011361-BLK1)										
Prepared & Analyzed: 22-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)	*12.1*		µg/kg wet		*20.0*		*60*	*30-150*		
LCS (9011361-BS1)										
Prepared & Analyzed: 22-Jan-09										
PCB 1016	223		µg/kg wet	20.0	250		89	40-140		
PCB 1260	248		µg/kg wet	20.0	250		99	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*17.6*		µg/kg wet		*20.0*		*88*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*12.2*		µg/kg wet		*20.0*		*61*	*30-150*		
LCS Dup (9011361-BSD1)										
Prepared & Analyzed: 22-Jan-09										
PCB 1016	222		µg/kg wet	20.0	250		89	40-140	0.6	30
PCB 1260	252		µg/kg wet	20.0	250		101	40-140	1	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*17.9*		µg/kg wet		*20.0*		*90*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*12.2*		µg/kg wet		*20.0*		*61*	*30-150*		
Duplicate (9011361-DUP1) **Source: SA90098-04**										
Prepared: 22-Jan-09 Analyzed: 24-Jan-09										
PCB 1016	BRL		µg/kg dry	21.0		BRL				40
PCB 1221	BRL		µg/kg dry	21.0		BRL				40
PCB 1232	BRL		µg/kg dry	21.0		BRL				40
PCB 1242	BRL		µg/kg dry	21.0		BRL				40
PCB 1248	BRL		µg/kg dry	21.0		BRL				40
PCB 1254	BRL		µg/kg dry	21.0		BRL				40
PCB 1260	BRL		µg/kg dry	21.0		BRL				40
PCB 1262	BRL		µg/kg dry	21.0		BRL				40
PCB 1268	BRL		µg/kg dry	21.0		BRL				40
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*19.8*		µg/kg dry		*20.9*		*94*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*13.2*		µg/kg dry		*20.9*		*63*	*30-150*		
Matrix Spike (9011361-MS1) **Source: SA90098-04**										
Prepared: 22-Jan-09 Analyzed: 24-Jan-09										
PCB 1016	243		µg/kg dry	20.6	258	BRL	94	40-140		
PCB 1260	269		µg/kg dry	20.6	258	BRL	104	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*18.5*		µg/kg dry		*20.6*		*90*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*12.1*		µg/kg dry		*20.6*		*59*	*30-150*		
Matrix Spike Dup (9011361-MSD1) **Source: SA90098-04**										
Prepared: 22-Jan-09 Analyzed: 24-Jan-09										
PCB 1016	247		µg/kg dry	21.2	265	BRL	93	40-140	0.7	50
PCB 1260	283		µg/kg dry	21.2	265	BRL	107	40-140	3	50
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*19.5*		µg/kg dry		*21.2*		*92*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*12.3*		µg/kg dry		*21.2*		*58*	*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 (9011492-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*		

Extractable Petroleum Hydrocarbons - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9011364 - SW846 3550B										
Blank (9011364-BLK1)										
Prepared: 22-Jan-09 Analyzed: 23-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	*2.35*		mg/kg wet		*3.33*		*70*	*50-150*		
LCS (9011364-BS1)										
Prepared: 22-Jan-09 Analyzed: 23-Jan-09										
C9-C36 Aliphatic Hydrocarbons	74.7		mg/kg wet	13.3	93.3		80	60-120		
Surrogate: 1-Chlorooctadecane	*2.39*		mg/kg wet		*3.33*		*72*	*50-150*		
Duplicate (9011364-DUP1) **Source: SA90060-04**										
Prepared: 22-Jan-09 Analyzed: 23-Jan-09										
Gasoline	BRL		mg/kg dry	29.8		BRL				50
Fuel Oil #2	BRL		mg/kg dry	29.8		BRL				50
Fuel Oil #4	BRL		mg/kg dry	29.8		BRL				50
Fuel Oil #6	BRL		mg/kg dry	29.8		BRL				50
Motor Oil	BRL		mg/kg dry	29.8		BRL				50
Aviation Fuel	BRL		mg/kg dry	29.8		BRL				50
Unidentified	BRL		mg/kg dry	29.8		BRL				50
Other Oil	BRL		mg/kg dry	29.8		BRL				50
Total Petroleum Hydrocarbons	BRL		mg/kg dry	29.8		BRL				50
C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	29.8		BRL				50
Surrogate: 1-Chlorooctadecane	*3.39*		mg/kg dry		*3.74*		*91*	*50-150*		
Matrix Spike (9011364-MS1) **Source: SA90060-04**										
Prepared: 22-Jan-09 Analyzed: 23-Jan-09										
C9-C36 Aliphatic Hydrocarbons	71.4		mg/kg dry	15.0	105	BRL	68	50-150		
Surrogate: 1-Chlorooctadecane	*2.10*		mg/kg dry		*3.75*		*56*	*50-150*		
Matrix Spike Dup (9011364-MSD1) **Source: SA90060-04**										
Prepared: 22-Jan-09 Analyzed: 23-Jan-09										
C9-C36 Aliphatic Hydrocarbons	79.9		mg/kg dry	14.9	105	BRL	76	50-150	12	30
Surrogate: 1-Chlorooctadecane	*2.37*		mg/kg dry		*3.74*		*63*	*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 9011268 - SW846 3050B										
Blank (9011268-BLK1)										
Prepared: 22-Jan-09 Analyzed: 23-Jan-09										
Lead	BRL		mg/kg wet	1.36						
Selenium	BRL		mg/kg wet	1.36						
Cadmium	BRL		mg/kg wet	0.453						
Chromium	BRL		mg/kg wet	0.906						
Silver	BRL		mg/kg wet	1.36						
Arsenic	BRL		mg/kg wet	1.36						
Barium	BRL		mg/kg wet	0.906						
Duplicate (9011268-DUP1) **Source: SA90067-01**										
Prepared: 22-Jan-09 Analyzed: 23-Jan-09										
Selenium	1.48	J	mg/kg dry	1.70		1.72			15	20
Lead	144		mg/kg dry	1.70		135			6	20
Arsenic	13.5		mg/kg dry	1.70		13.2			2	20
Silver	BRL		mg/kg dry	1.70		BRL				20
Cadmium	0.432	J	mg/kg dry	0.568		0.417			3	20
Chromium	7.71	QR6	mg/kg dry	1.14		10.6			31	20
Barium	73.5		mg/kg dry	1.14		68.3			7	20
Matrix Spike (9011268-MS1) **Source: SA90067-02**										
Prepared: 22-Jan-09 Analyzed: 23-Jan-09										
Selenium	142		mg/kg dry	1.64	136	2.55	102	75-125		
Lead	299		mg/kg dry	1.64	136	147	111	75-125		
Chromium	162		mg/kg dry	1.09	136	32.8	95	75-125		
Silver	130		mg/kg dry	1.64	136	BRL	96	75-125		
Cadmium	145		mg/kg dry	0.545	136	0.659	106	75-125		
Arsenic	137		mg/kg dry	1.64	136	10.7	92	75-125		
Barium	253		mg/kg dry	1.09	136	142	81	75-125		
Matrix Spike Dup (9011268-MSD1) **Source: SA90067-02**										
Prepared: 22-Jan-09 Analyzed: 23-Jan-09										
Selenium	154		mg/kg dry	1.77	148	2.55	103	75-125	8	20
Lead	315		mg/kg dry	1.77	148	147	114	75-125	5	20
Cadmium	159		mg/kg dry	0.591	148	0.659	107	75-125	9	20
Chromium	174		mg/kg dry	1.18	148	32.8	96	75-125	7	20
Arsenic	152		mg/kg dry	1.77	148	10.7	96	75-125	11	20
Silver	142		mg/kg dry	1.77	148	BRL	96	75-125	8	20
Barium	273		mg/kg dry	1.18	148	142	88	75-125	8	20
Post Spike (9011268-PS1) **Source: SA90067-02**										
Prepared: 22-Jan-09 Analyzed: 23-Jan-09										
Lead	326		mg/kg dry	1.89	157	147	114	80-120		
Selenium	168		mg/kg dry	1.89	157	2.55	105	80-120		
Arsenic	159		mg/kg dry	1.89	157	10.7	94	80-120		
Silver	155		mg/kg dry	1.89	157	BRL	98	80-120		
Chromium	181		mg/kg dry	1.26	157	32.8	94	80-120		
Cadmium	171		mg/kg dry	0.629	157	0.659	108	80-120		
Barium	270		mg/kg dry	1.26	157	142	81	80-120		
Reference (9011268-SRM1)										
Prepared: 22-Jan-09 Analyzed: 23-Jan-09										
Selenium	159		mg/kg wet	1.50	145		110	76.6-123.1		
Lead	50.0		mg/kg wet	1.50	43.7		114	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 9011268 - SW846 3050B										
Reference (9011268-SRM1)										
Prepared: 22-Jan-09 Analyzed: 23-Jan-09										
Cadmium	34.3		mg/kg wet	0.500	30.8		111	80.9-119.3		
Chromium	128		mg/kg wet	1.00	120		107	79.7-120.3		
Silver	15.6		mg/kg wet	1.50	15.3		102	66.4-133.6		
Arsenic	52.8		mg/kg wet	1.50	52.9		100	77.6-123.1		
Barium	114		mg/kg wet	1.00	101		114	79.8-119.7		
Reference (9011268-SRM2)										
Prepared: 22-Jan-09 Analyzed: 23-Jan-09										
Selenium	155		mg/kg wet	1.50	144		108	76.6-123.1		
Lead	49.0		mg/kg wet	1.50	43.2		113	78.8-120.9		
Chromium	126		mg/kg wet	1.00	118		107	79.7-120.3		
Silver	14.4		mg/kg wet	1.50	15.1		95	66.4-133.6		
Cadmium	34.1		mg/kg wet	0.500	30.5		112	80.9-119.3		
Arsenic	49.7		mg/kg wet	1.50	52.2		95	77.6-123.1		
Barium	103		mg/kg wet	1.00	99.4		104	79.8-119.7		
Batch 9011269 - EPA200/SW7000 Series										
Blank (9011269-BLK1)										
Prepared: 22-Jan-09 Analyzed: 27-Jan-09										
Mercury	BRL		mg/kg wet	0.0295						
Duplicate (9011269-DUP1) **Source: SA90067-01**										
Prepared: 22-Jan-09 Analyzed: 27-Jan-09										
Mercury	0.581	QR6	mg/kg dry	0.0383		0.732			23	20
Matrix Spike (9011269-MS1) **Source: SA90067-02**										
Prepared: 22-Jan-09 Analyzed: 27-Jan-09										
Mercury	0.652		mg/kg dry	0.0366	0.509	0.117	105	75-125		
Matrix Spike Dup (9011269-MSD1) **Source: SA90067-02**										
Prepared: 22-Jan-09 Analyzed: 27-Jan-09										
Mercury	0.593		mg/kg dry	0.0336	0.467	0.117	102	75-125	10	20
Post Spike (9011269-PS1) **Source: SA90067-02**										
Prepared: 22-Jan-09 Analyzed: 27-Jan-09										
Mercury	0.634		mg/kg dry	0.0381	0.529	0.117	98	80-120		
Reference (9011269-SRM1)										
Prepared: 22-Jan-09 Analyzed: 27-Jan-09										
Mercury	2.24		mg/kg wet	0.0300	2.15		104	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		
Batch 9020572 - SW846 3010A										
Blank (9020572-BLK1)										
Prepared & Analyzed: 09-Feb-09										
Lead	BRL		mg/l	0.0150						
LCS (9020572-BS1)										
Prepared & Analyzed: 09-Feb-09										
Lead	2.59		mg/l	0.0150	2.50		104	85-115		
LCS Dup (9020572-BSD1)										
Prepared & Analyzed: 09-Feb-09										
Lead	2.62		mg/l	0.0150	2.50		105	85-115	1	20
Duplicate (9020572-DUP1) **Source: SA90629-01**										
Prepared & Analyzed: 09-Feb-09										
Lead	0.0202	QR6	mg/l	0.0150		0.0119			52	20
Matrix Spike (9020572-MS1) **Source: SA90629-01**										
Prepared: 09-Feb-09 Analyzed: 10-Feb-09										
Lead	2.40		mg/l	0.0150	2.50	0.0119	96	75-125		
Matrix Spike Dup (9020572-MSD1) **Source: SA90629-01**										
Prepared & Analyzed: 09-Feb-09										
Lead	2.62		mg/l	0.0150	2.50	0.0119	105	75-125	9	20
Post Spike (9020572-PS1) **Source: SA90629-01**										
Prepared & Analyzed: 09-Feb-09										
Lead	2.63		mg/l	0.0150	2.50	0.0119	105	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						
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
Chromium	BRL		mg/l	0.0100		BRL				20
Arsenic	BRL		mg/l	0.0080		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		
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		
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 9011296 - General Preparation										
Duplicate (9011296-DUP1) **Source: SA90060-04**										
Prepared & Analyzed: 21-Jan-09										
% Solids	86.7		%			87.8			1	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

QC1	Analyte out of acceptance range.
QC2	Analyte out of acceptance range in QC spike but no reportable concentration present in sample.
QM5	The spike recovery was outside acceptance limits for the MS, MSD and/or PS due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.
QR6	The RPD exceeded the QC control limits; however precision is demonstrated with acceptable RPD values for MS/MSD.
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.
Rebecca Merz

Reasonable Confidence Protocols
Laboratory Analysis
QA/QC Certification Form

Laboratory Name:	Spectrum Analytical, Inc. - Agawam, MA	**Client:**	Tetra Tech Rizzo - Hartford, CT
Project Location:	Hartford Busway - Newington, CT	**Project Number:**	127-17797-08011
Sampling Date(s):	19-Jan-09	**Laboratory Sample ID(s):**	SA90067-01 through SA90067-03

RCP Methods Used: +CT ETPH; SW846 1311; SW846 1311/6010B; SW846 1312; SW846 1312/6010B; SW846 6010B; SW846 7471A; SW846 8082; SW846 8151A; SW846 8260B; SW846 8270C

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	☑ Yes ☐ No
1A	Were the method specified preservation and holding time requirements met?	☑ Yes ☐ No
1B	***VPH and EPH methods only***: Was the VPH or EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)? * ** These methods have not yet been approved for release by CT DEP*	☐ Yes ☐ No ☑ N/A
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	☑ Yes ☐ No
3	Were samples received at an appropriate temperature?	☑ Yes ☐ No ☐ N/A
4	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved?	☑ Yes ☐ No
5	a) Were reporting limits specified or referenced on the chain-of-custody? * b) Were these reporting limits met? ** Exceptions are defined by qualifiers*	☑ Yes ☐ No ☑ Yes ☐ No
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	☐ Yes ☑ No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	☑ Yes ☐ No

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

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

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

Date: 2/13/2009

SA 90067

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

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

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

Project Mgr.: David Brassard

Invoice To: DAS# 44236

P.O. No.: _____ RQN: _____

Project No.: 127-17797-08011
Site Name: Hartford Busway
Location: Newington 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=$NaHSO_3$ 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

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analyses: VOC 8260	SVOC 8270	CT ETPH	PCB 8080	Herbicides 8151	Total RCRA 8 Metals
90067-01	RSB-C19	1/19/09	1300	G	SO	7	3	2			X	X	X	X	X	X
-02	RSB-C20	↓	1045	↓	↓	↓	↓	↓			↓	↓	↓	↓	↓	↓
-03	RSB-C21	↓	900	↓	↓	↓	↓	↓			↓	↓	↓	↓	↓	↓

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

- ☐ Fax results when available to (____) _____
- ☒ E-mail to patrick.depaula@tetratech.com
- EDD Format _____
- Condition upon receipt: ☐ Iced ☐ Ambient ☐ °C 4.1

Relinquished by:	Received by:	Date:	Time:
Patrick de Paula		1.20.09	1030
		1/20/09	1515

SA 90067

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

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

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

Project Mgr.: David Brassard

Invoice To: DAS# 44236

P.O. No.: _____ RQN: _____

Project No.: 127-17797-08011
Site Name: Hartford Busway
Location: Newington 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

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analyses: VOC 8260	SVOC 8270	CT ETPH	PCB 8080	Herbicides 8151	Tetra RCRA 8 Metals	SPLP As, Cr, Pb	TCLP Pb
90067-01	RSB-C19	1/19/09	1300	G	SO	7	3	2			X	X	X	X	X	X	X	X
-02	RSB-C20		1045														X	X
-03	RSB-C21		900															X

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

ADDED ANALYSIS 2/4/09 See attached

☐ Fax results when available to (____) _____
☒ E-mail to patrick.depaula@tetratech.com
EDD Format _____
Condition upon receipt: ☐ Iced ☐ Ambient ☐ C 4.4

Relinquished by:	Received by:	Date:	Time:
Patrick de Paula		1.20.09	1030
		1/20/09	15:15

Report Date:
10-Feb-09 12:52

☐ 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 - Newington, CT
Project 127-17797-08011

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SA90013-01	RSB-C22	Soil	16-Jan-09 10:00	19-Jan-09 13:50
SA90013-02	RSB-C23	Soil	16-Jan-09 09:00	19-Jan-09 13:50

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 40 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 3.8 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 7471A

Spikes:

9011159-MS1 *Source: SA90013-01*

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.

Mercury

9011159-MSD1 *Source: SA90013-01*

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.

Mercury

Duplicates:

9011159-DUP1 *Source: SA90008-02*

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

Mercury

SW846 8260B

Laboratory Control Samples:

9011267-BS1

Analyte out of acceptance range.

2,2-Dichloropropane

9011267-BSD1

Analyte out of acceptance range.

Ethanol

RPD out of acceptance range.

2,2-Dichloropropane

Spikes:

9011267-MSD1 *Source: SA89920-02*

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

Chlorobenzene

Samples:

SA90013-02RE1 *RSB-C23*

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:

9011233-BS1

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

Aniline

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C22 SA90013-01	127-17797-08011	Soil	16-Jan-09 10:00	19-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	20-Jan-09	20-Jan-09	9011179	
Volatile Organic Compounds											
Prepared by method SW846 5030 Soil (high level)						Initial weight: 15.51 g					
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	163	50	SW846 8260B	21-Jan-09	21-Jan-09	9011267	X
67-64-1	Acetone	BRL		µg/kg dry	1630	50	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	163	50	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	163	50	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	163	50	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	163	50	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	163	50	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	163	50	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	325	50	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	1630	50	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	163	50	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	163	50	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	163	50	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	813	50	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	163	50	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	163	50	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	325	50	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	163	50	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	325	50	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	163	50	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	163	50	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	325	50	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	163	50	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	163	50	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	163	50	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	163	50	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	163	50	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	163	50	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	325	50	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	163	50	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	163	50	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	163	50	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	3,460		µg/kg dry	163	50	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	163	50	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	163	50	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	163	50	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	163	50	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	163	50	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	163	50	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	163	50	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	163	50	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	163	50	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	1630	50	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	163	50	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	163	50	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	163	50	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	1630	50	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	1630	50	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	163	50	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C22 SA90013-01	127-17797-08011	Soil	16-Jan-09 10:00	19-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
Volatile Organic Compounds						Initial weight: 15.51 g					
Prepared by method SW846 5030 Soil (high level)											
103-65-1	n-Propylbenzene	BRL		µg/kg dry	163	50	SW846 8260B	21-Jan-09	21-Jan-09	9011267	X
100-42-5	Styrene	BRL		µg/kg dry	163	50	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	163	50	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	163	50	"	"	"	"	X
127-18-4	Tetrachloroethene	208		µg/kg dry	163	50	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	163	50	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	163	50	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	163	50	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	163	50	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	163	50	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	163	50	"	"	"	"	X
79-01-6	Trichloroethene	1,580		µg/kg dry	163	50	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	163	50	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	163	50	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	163	50	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	163	50	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	163	50	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	325	50	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	163	50	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	1630	50	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	163	50	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	163	50	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	163	50	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	163	50	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	1630	50	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	3250	50	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	813	50	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	65100	50	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*105*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*99*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*98*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*97*		*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	711	1	SW846 8270C	21-Jan-09	22-Jan-09	9011233	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	711	1	"	"	"	"	X
62-53-3	Aniline	BRL		µg/kg dry	711	1	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	711	1	"	"	"	"	X
1912-24-9	Atrazine	BRL		µg/kg dry	711	1	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/kg dry	711	1	"	"	"	"	
92-87-5	Benzidine	BRL		µg/kg dry	711	1	"	"	"	"	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	711	1	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	711	1	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	711	1	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	711	1	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	711	1	"	"	"	"	X
65-85-0	Benzoic acid	BRL		µg/kg dry	711	1	"	"	"	"	X
100-51-6	Benzyl alcohol	BRL		µg/kg dry	711	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C22	127-17797-08011	Soil	16-Jan-09 10:00	19-Jan-09
SA90013-01				

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	711	1	SW846 8270C	21-Jan-09	22-Jan-09	9011233	X
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/kg dry	711	1	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	711	1	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	711	1	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/kg dry	711	1	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	BRL		µg/kg dry	711	1	"	"	"	"	X
86-74-8	Carbazole	BRL		µg/kg dry	711	1	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	BRL		µg/kg dry	711	1	"	"	"	"	X
106-47-8	4-Chloroaniline	BRL		µg/kg dry	711	1	"	"	"	"	X
91-58-7	2-Chloronaphthalene	BRL		µg/kg dry	711	1	"	"	"	"	X
95-57-8	2-Chlorophenol	BRL		µg/kg dry	711	1	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/kg dry	711	1	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	711	1	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	711	1	"	"	"	"	X
132-64-9	Dibenzofuran	BRL		µg/kg dry	711	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	711	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	711	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	711	1	"	"	"	"	X
91-94-1	3,3'-Dichlorobenzidine	BRL		µg/kg dry	711	1	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	BRL		µg/kg dry	711	1	"	"	"	"	X
84-66-2	Diethyl phthalate	BRL		µg/kg dry	711	1	"	"	"	"	X
131-11-3	Dimethyl phthalate	BRL		µg/kg dry	711	1	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	BRL		µg/kg dry	711	1	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	BRL		µg/kg dry	711	1	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	711	1	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	BRL		µg/kg dry	711	1	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	BRL		µg/kg dry	711	1	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	BRL		µg/kg dry	711	1	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	BRL		µg/kg dry	711	1	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	711	1	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	711	1	"	"	"	"	X
118-74-1	Hexachlorobenzene	BRL		µg/kg dry	711	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	711	1	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	BRL		µg/kg dry	711	1	"	"	"	"	X
67-72-1	Hexachloroethane	BRL		µg/kg dry	711	1	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	711	1	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	711	1	"	"	"	"	
78-59-1	Isophorone	BRL		µg/kg dry	711	1	"	"	"	"	X
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	711	1	"	"	"	"	X
95-48-7	2-Methylphenol	BRL		µg/kg dry	711	1	"	"	"	"	X
108-39-4, 108-44-5	3 & 4-Methylphenol	BRL		µg/kg dry	711	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	711	1	"	"	"	"	X
88-74-4	2-Nitroaniline	BRL		µg/kg dry	711	1	"	"	"	"	X
99-09-2	3-Nitroaniline	BRL		µg/kg dry	711	1	"	"	"	"	X
100-01-6	4-Nitroaniline	BRL		µg/kg dry	2840	1	"	"	"	"	X
98-95-3	Nitrobenzene	BRL		µg/kg dry	711	1	"	"	"	"	X
88-75-5	2-Nitrophenol	BRL		µg/kg dry	711	1	"	"	"	"	X
100-02-7	4-Nitrophenol	BRL		µg/kg dry	2840	1	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	BRL		µg/kg dry	711	1	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/kg dry	711	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C22 SA90013-01	127-17797-08011	Soil	16-Jan-09 10:00	19-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	711	1	SW846 8270C	21-Jan-09	22-Jan-09	9011233	X
87-86-5	Pentachlorophenol	BRL		µg/kg dry	711	1	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	711	1	"	"	"	"	X
108-95-2	Phenol	BRL		µg/kg dry	711	1	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	711	1	"	"	"	"	X
110-86-1	Pyridine	BRL		µg/kg dry	711	1	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	711	1	"	"	"	"	X
95-95-4	2,4,5-Trichlorophenol	BRL		µg/kg dry	711	1	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	BRL		µg/kg dry	711	1	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	BRL		µg/kg dry	711	1	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	711	1	"	"	"	"	X
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*69*		*30-130 %*			"	"	"	"	
367-12-4	*2-Fluorophenol*	*58*		*15-110 %*			"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*61*		*30-130 %*			"	"	"	"	
4165-62-2	*Phenol-d5*	*58*		*15-110 %*			"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*66*		*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 3545A											
12674-11-2	PCB 1016	BRL		µg/kg dry	41.3	1	SW846 8082	22-Jan-09	23-Jan-09	9011361	X
11104-28-2	PCB 1221	BRL		µg/kg dry	41.3	1	"	"	"	"	X
11141-16-5	PCB 1232	BRL		µg/kg dry	41.3	1	"	"	"	"	X
53469-21-9	PCB 1242	BRL		µg/kg dry	41.3	1	"	"	"	"	X
12672-29-6	PCB 1248	BRL		µg/kg dry	41.3	1	"	"	"	"	X
11097-69-1	PCB 1254	BRL		µg/kg dry	41.3	1	"	"	"	"	X
11096-82-5	PCB 1260	BRL		µg/kg dry	41.3	1	"	"	"	"	X
37324-23-5	PCB 1262	BRL		µg/kg dry	41.3	1	"	"	"	"	X
11100-14-4	PCB 1268	BRL		µg/kg dry	41.3	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*95*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*67*		*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	26-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)*	*55*		*30-150 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											

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-C22 SA90013-01	127-17797-08011	Soil	16-Jan-09 10:00	19-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	28.7	1	+CT ETPH	21-Jan-09	22-Jan-09	9011232	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	28.7	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	28.7	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	28.7	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	28.7	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	28.7	1	"	"	"	"	
	Unidentified	67.4		mg/kg dry	28.7	1	"	"	"	"	
	Other Oil	Calculated as		mg/kg dry	28.7	1	"	"	"	"	
	Total Petroleum Hydrocarbons	67.4		mg/kg dry	28.7	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	67.4		mg/kg dry	28.7	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*91*		*50-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	BRL		mg/kg dry	3.14	1	SW846 6010B	20-Jan-09	21-Jan-09	9011158	X
7440-38-2	Arsenic	6.34		mg/kg dry	3.14	1	"	"	"	"	X
7440-39-3	Barium	89.5		mg/kg dry	2.09	1	"	"	"	"	X
7440-43-9	Cadmium	BRL		mg/kg dry	1.05	1	"	"	"	"	X
7440-47-3	Chromium	9.66		mg/kg dry	2.09	1	"	"	"	"	X
7439-97-6	Mercury	2.63		mg/kg dry	0.0645	1	SW846 7471A	"	21-Jan-09	9011159	X
7439-92-1	Lead	154		mg/kg dry	3.14	1	SW846 6010B	"	21-Jan-09	9011158	X
7782-49-2	Selenium	BRL		mg/kg dry	3.14	1	"	"	"	"	X
TCLP Metals by EPA 1311 & 6000/7000 Series Methods											
	TCLP Extraction	Completed		N/A		1	SW846 1311	03-Feb-09	03-Feb-09	9020220	X
7439-92-1	Lead	0.0224		mg/l	0.0150	1	SW846 1311/6010B	05-Feb-09	05-Feb-09	9020245	X
General Chemistry Parameters											
	% Solids	46.2		%		1	SM2540 G Mod.	20-Jan-09	20-Jan-09	9011191	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C23 SA90013-02	127-17797-08011	Soil	16-Jan-09 09:00	19-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	20-Jan-09	20-Jan-09	9011179	
Volatile Organic Compounds			VC10			Initial weight: 7.89 g					
Prepared by method SW846 5035A Soil (low level)											
Re-analysis of Volatile Organic Compounds											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	7.8	1	SW846 8260B	22-Jan-09	22-Jan-09	9011401	X
67-64-1	Acetone	BRL		µg/kg dry	78.3	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	7.8	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	7.8	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	7.8	1	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	7.8	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	7.8	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	7.8	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	15.7	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	78.3	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	7.8	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	7.8	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	7.8	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	39.2	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	7.8	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	7.8	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	15.7	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	7.8	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	15.7	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	7.8	1	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	7.8	1	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	15.7	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	7.8	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	7.8	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	7.8	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	7.8	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	7.8	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	7.8	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	15.7	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	7.8	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	7.8	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	7.8	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	7.8	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	7.8	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	7.8	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	7.8	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	7.8	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	7.8	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	7.8	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	7.8	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	7.8	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	7.8	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	78.3	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	7.8	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	7.8	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	7.8	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	78.3	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C23 SA90013-02	127-17797-08011	Soil	16-Jan-09 09:00	19-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: 7.89 g					
Re-analysis of Volatile Organic Compounds											
75-09-2	Methylene chloride	BRL		µg/kg dry	78.3	1	SW846 8260B	22-Jan-09	22-Jan-09	9011401	X
91-20-3	Naphthalene	BRL		µg/kg dry	7.8	1	"	"	"	"	X
103-65-1	n-Propylbenzene	BRL		µg/kg dry	7.8	1	"	"	"	"	X
100-42-5	Styrene	BRL		µg/kg dry	7.8	1	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	7.8	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	7.8	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	7.8	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	7.8	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	7.8	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	7.8	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	7.8	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	7.8	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	7.8	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	7.8	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	7.8	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	7.8	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	7.8	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	7.8	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	7.8	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	15.7	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	7.8	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	78.3	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	7.8	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	7.8	1	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	7.8	1	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	7.8	1	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	78.3	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	157	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	39.2	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	3130	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*73*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*89*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*113*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*102*		*70-130 %*			"	"	"	"	
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
83-32-9	Acenaphthene	BRL		µg/kg dry	513	1	SW846 8270C	21-Jan-09	22-Jan-09	9011233	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	513	1	"	"	"	"	X
62-53-3	Aniline	BRL		µg/kg dry	513	1	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	513	1	"	"	"	"	X
1912-24-9	Atrazine	BRL		µg/kg dry	513	1	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/kg dry	513	1	"	"	"	"	
92-87-5	Benzidine	BRL		µg/kg dry	513	1	"	"	"	"	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	513	1	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	513	1	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	513	1	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	513	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C23 SA90013-02	127-17797-08011	Soil	16-Jan-09 09:00	19-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											
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	513	1	SW846 8270C	21-Jan-09	22-Jan-09	9011233	X
65-85-0	Benzoic acid	BRL		µg/kg dry	513	1	"	"	"	"	X
100-51-6	Benzyl alcohol	BRL		µg/kg dry	513	1	"	"	"	"	X
111-91-1	Bis(2-chloroethoxy)methane	BRL		µg/kg dry	513	1	"	"	"	"	X
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/kg dry	513	1	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	513	1	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	513	1	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/kg dry	513	1	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	BRL		µg/kg dry	513	1	"	"	"	"	X
86-74-8	Carbazole	BRL		µg/kg dry	513	1	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	BRL		µg/kg dry	513	1	"	"	"	"	X
106-47-8	4-Chloroaniline	BRL		µg/kg dry	513	1	"	"	"	"	X
91-58-7	2-Chloronaphthalene	BRL		µg/kg dry	513	1	"	"	"	"	X
95-57-8	2-Chlorophenol	BRL		µg/kg dry	513	1	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/kg dry	513	1	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	513	1	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	513	1	"	"	"	"	X
132-64-9	Dibenzofuran	BRL		µg/kg dry	513	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	513	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	513	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	513	1	"	"	"	"	X
91-94-1	3,3´-Dichlorobenzidine	BRL		µg/kg dry	513	1	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	BRL		µg/kg dry	513	1	"	"	"	"	X
84-66-2	Diethyl phthalate	BRL		µg/kg dry	513	1	"	"	"	"	X
131-11-3	Dimethyl phthalate	BRL		µg/kg dry	513	1	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	BRL		µg/kg dry	513	1	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	BRL		µg/kg dry	513	1	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	513	1	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	BRL		µg/kg dry	513	1	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	BRL		µg/kg dry	513	1	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	BRL		µg/kg dry	513	1	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	BRL		µg/kg dry	513	1	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	513	1	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	513	1	"	"	"	"	X
118-74-1	Hexachlorobenzene	BRL		µg/kg dry	513	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	513	1	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	BRL		µg/kg dry	513	1	"	"	"	"	X
67-72-1	Hexachloroethane	BRL		µg/kg dry	513	1	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	513	1	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	513	1	"	"	"	"	
78-59-1	Isophorone	BRL		µg/kg dry	513	1	"	"	"	"	X
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	513	1	"	"	"	"	X
95-48-7	2-Methylphenol	BRL		µg/kg dry	513	1	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	BRL		µg/kg dry	513	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	513	1	"	"	"	"	X
88-74-4	2-Nitroaniline	BRL		µg/kg dry	513	1	"	"	"	"	X
99-09-2	3-Nitroaniline	BRL		µg/kg dry	513	1	"	"	"	"	X
100-01-6	4-Nitroaniline	BRL		µg/kg dry	2050	1	"	"	"	"	X
98-95-3	Nitrobenzene	BRL		µg/kg dry	513	1	"	"	"	"	X
88-75-5	2-Nitrophenol	BRL		µg/kg dry	513	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C23 SA90013-02	127-17797-08011	Soil	16-Jan-09 09:00	19-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											
100-02-7	4-Nitrophenol	BRL		µg/kg dry	2050	1	SW846 8270C	21-Jan-09	22-Jan-09	9011233	X
62-75-9	N-Nitrosodimethylamine	BRL		µg/kg dry	513	1	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/kg dry	513	1	"	"	"	"	X
86-30-6	N-Nitrosodiphenylamine	BRL		µg/kg dry	513	1	"	"	"	"	X
87-86-5	Pentachlorophenol	BRL		µg/kg dry	513	1	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	513	1	"	"	"	"	X
108-95-2	Phenol	BRL		µg/kg dry	513	1	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	513	1	"	"	"	"	X
110-86-1	Pyridine	BRL		µg/kg dry	513	1	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	513	1	"	"	"	"	X
95-95-4	2,4,5-Trichlorophenol	BRL		µg/kg dry	513	1	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	BRL		µg/kg dry	513	1	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	BRL		µg/kg dry	513	1	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	513	1	"	"	"	"	X
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*70*		*30-130 %*			"	"	"	"	
367-12-4	*2-Fluorophenol*	*57*		*15-110 %*			"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*60*		*30-130 %*			"	"	"	"	
4165-62-2	*Phenol-d5*	*55*		*15-110 %*			"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*67*		*30-130 %*			"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*71*		*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	29.7	1	SW846 8082	22-Jan-09	23-Jan-09	9011361	X
11104-28-2	PCB 1221	BRL		µg/kg dry	29.7	1	"	"	"	"	X
11141-16-5	PCB 1232	BRL		µg/kg dry	29.7	1	"	"	"	"	X
53469-21-9	PCB 1242	BRL		µg/kg dry	29.7	1	"	"	"	"	X
12672-29-6	PCB 1248	BRL		µg/kg dry	29.7	1	"	"	"	"	X
11097-69-1	PCB 1254	BRL		µg/kg dry	29.7	1	"	"	"	"	X
11096-82-5	PCB 1260	BRL		µg/kg dry	29.7	1	"	"	"	"	X
37324-23-5	PCB 1262	BRL		µg/kg dry	29.7	1	"	"	"	"	X
11100-14-4	PCB 1268	BRL		µg/kg dry	29.7	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*102*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*72*		*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	26-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

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C23 SA90013-02	127-17797-08011	Soil	16-Jan-09 09:00	19-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											
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*58*		*30-150 %*			SW846 8151A	23-Jan-09	26-Jan-09	9011482	
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3550B											
8006-61-9	Gasoline	BRL		mg/kg dry	20.7	1	+CT ETPH	21-Jan-09	22-Jan-09	9011232	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	20.7	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	20.7	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	20.7	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	20.7	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	20.7	1	"	"	"	"	
	Unidentified	41.8		mg/kg dry	20.7	1	"	"	"	"	
	Other Oil	Calculated as		mg/kg dry	20.7	1	"	"	"	"	
	Total Petroleum Hydrocarbons	41.8		mg/kg dry	20.7	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	41.8		mg/kg dry	20.7	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	2.28	1	SW846 6010B	20-Jan-09	21-Jan-09	9011158	X
7440-38-2	Arsenic	3.55		mg/kg dry	2.28	1	"	"	"	"	X
7440-39-3	Barium	62.3		mg/kg dry	1.52	1	"	"	"	"	X
7440-43-9	Cadmium	BRL		mg/kg dry	0.761	1	"	"	"	"	X
7440-47-3	Chromium	6.98		mg/kg dry	1.52	1	"	"	"	"	X
7439-97-6	Mercury	1.16		mg/kg dry	0.0457	1	SW846 7471A	"	21-Jan-09	9011159	X
7439-92-1	Lead	73.6		mg/kg dry	2.28	1	SW846 6010B	"	21-Jan-09	9011158	X
7782-49-2	Selenium	BRL		mg/kg dry	2.28	1	"	"	"	"	X
General Chemistry Parameters											
	% Solids	63.6		%		1	SM2540 G Mod.	20-Jan-09	20-Jan-09	9011191	

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9011267 - SW846 5030 Soil (high level)										
Blank (9011267-BLK1)										
Prepared & Analyzed: 21-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						

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9011267 - SW846 5030 Soil (high level)										
Blank (9011267-BLK1)										
Prepared & Analyzed: 21-Jan-09										
n-Propylbenzene	BRL		µg/kg wet	1.0						
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	*29.1*		µg/kg wet		*30.0*		*97*	*70-130*		
Surrogate: Toluene-d8	*30.0*		µg/kg wet		*30.0*		*100*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*29.8*		µg/kg wet		*30.0*		*100*	*70-130*		
Surrogate: Dibromofluoromethane	*29.8*		µg/kg wet		*30.0*		*99*	*70-130*		
LCS (9011267-BS1)										
Prepared & Analyzed: 21-Jan-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	23.1		µg/kg wet		20.0		115	70-130		
Acetone	22.7		µg/kg wet		20.0		113	7.9-168		
Acrylonitrile	20.6		µg/kg wet		20.0		103	70-130		
Benzene	19.1		µg/kg wet		20.0		96	70-130		
Bromobenzene	21.5		µg/kg wet		20.0		107	70-130		
Bromochloromethane	20.5		µg/kg wet		20.0		102	70-130		
Bromodichloromethane	19.9		µg/kg wet		20.0		100	70-130		
Bromoform	18.8		µg/kg wet		20.0		94	70-130		
Bromomethane	18.1		µg/kg wet		20.0		90	50-134		
2-Butanone (MEK)	19.2		µg/kg wet		20.0		96	44.6-130		
n-Butylbenzene	19.4		µg/kg wet		20.0		97	70-130		
sec-Butylbenzene	21.2		µg/kg wet		20.0		106	70-130		
tert-Butylbenzene	22.3		µg/kg wet		20.0		111	70-130		
Carbon disulfide	21.9		µg/kg wet		20.0		109	70-130		
Carbon tetrachloride	18.2		µg/kg wet		20.0		91	70-130		
Chlorobenzene	23.2		µg/kg wet		20.0		116	70-130		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9011267 - SW846 5030 Soil (high level)										
LCS (9011267-BS1)										
Prepared & Analyzed: 21-Jan-09										
Chloroethane	16.6		µg/kg wet		20.0		83	59.2-130		
Chloroform	21.9		µg/kg wet		20.0		110	70-130		
Chloromethane	18.5		µg/kg wet		20.0		93	70-130		
2-Chlorotoluene	18.8		µg/kg wet		20.0		94	70-130		
4-Chlorotoluene	20.2		µg/kg wet		20.0		101	70-130		
1,2-Dibromo-3-chloropropane	16.1		µg/kg wet		20.0		81	70-130		
Dibromochloromethane	20.3		µg/kg wet		20.0		102	63.8-130		
1,2-Dibromoethane (EDB)	20.0		µg/kg wet		20.0		100	70-130		
Dibromomethane	19.8		µg/kg wet		20.0		99	70-130		
1,2-Dichlorobenzene	19.9		µg/kg wet		20.0		99	70-130		
1,3-Dichlorobenzene	21.8		µg/kg wet		20.0		109	70-130		
1,4-Dichlorobenzene	21.7		µg/kg wet		20.0		109	70-130		
Dichlorodifluoromethane (Freon12)	17.6		µg/kg wet		20.0		88	41.8-130		
1,1-Dichloroethane	21.0		µg/kg wet		20.0		105	70-130		
1,2-Dichloroethane	21.4		µg/kg wet		20.0		107	70-130		
1,1-Dichloroethene	21.0		µg/kg wet		20.0		105	70-130		
cis-1,2-Dichloroethene	20.1		µg/kg wet		20.0		101	70-130		
trans-1,2-Dichloroethene	19.8		µg/kg wet		20.0		99	70-130		
1,2-Dichloropropane	18.4		µg/kg wet		20.0		92	70-130		
1,3-Dichloropropane	17.8		µg/kg wet		20.0		89	70-130		
2,2-Dichloropropane	10.6	QC1	µg/kg wet		20.0		53	70-130		
1,1-Dichloropropene	19.7		µg/kg wet		20.0		99	70-130		
cis-1,3-Dichloropropene	15.9		µg/kg wet		20.0		80	70-130		
trans-1,3-Dichloropropene	14.7		µg/kg wet		20.0		74	70-130		
Ethylbenzene	20.2		µg/kg wet		20.0		101	70-130		
Hexachlorobutadiene	19.1		µg/kg wet		20.0		95	68.3-130		
2-Hexanone (MBK)	18.9		µg/kg wet		20.0		95	70-130		
Isopropylbenzene	17.7		µg/kg wet		20.0		88	70-130		
4-Isopropyltoluene	20.3		µg/kg wet		20.0		102	70-130		
Methyl tert-butyl ether	20.2		µg/kg wet		20.0		101	70-130		
4-Methyl-2-pentanone (MIBK)	19.2		µg/kg wet		20.0		96	53.1-132		
Methylene chloride	21.9		µg/kg wet		20.0		109	70-130		
Naphthalene	19.0		µg/kg wet		20.0		95	70-130		
n-Propylbenzene	20.1		µg/kg wet		20.0		101	70-130		
Styrene	21.0		µg/kg wet		20.0		105	70-130		
1,1,1,2-Tetrachloroethane	19.8		µg/kg wet		20.0		99	70-130		
1,1,2,2-Tetrachloroethane	19.8		µg/kg wet		20.0		99	70-130		
Tetrachloroethene	21.5		µg/kg wet		20.0		108	70-130		
Toluene	19.4		µg/kg wet		20.0		97	70-130		
1,2,3-Trichlorobenzene	20.8		µg/kg wet		20.0		104	70-130		
1,2,4-Trichlorobenzene	20.3		µg/kg wet		20.0		102	70-130		
1,3,5-Trichlorobenzene	19.9		µg/kg wet		20.0		100	70-130		
1,1,1-Trichloroethane	19.5		µg/kg wet		20.0		98	70-130		
1,1,2-Trichloroethane	19.8		µg/kg wet		20.0		99	70-130		
Trichloroethene	20.4		µg/kg wet		20.0		102	70-130		
Trichlorofluoromethane (Freon 11)	20.0		µg/kg wet		20.0		100	68.2-130		
1,2,3-Trichloropropane	24.6		µg/kg wet		20.0		123	70-130		
1,2,4-Trimethylbenzene	20.8		µg/kg wet		20.0		104	70-130		
1,3,5-Trimethylbenzene	21.3		µg/kg wet		20.0		107	70-130		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9011267 - SW846 5030 Soil (high level)										
LCS (9011267-BS1)										
Prepared & Analyzed: 21-Jan-09										
Vinyl chloride	18.4		µg/kg wet		20.0		92	70-130		
m,p-Xylene	40.0		µg/kg wet		40.0		100	70-130		
o-Xylene	21.4		µg/kg wet		20.0		107	70-130		
Tetrahydrofuran	20.5		µg/kg wet		20.0		103	70-130		
Ethyl ether	19.6		µg/kg wet		20.0		98	70-130		
Tert-amyl methyl ether	23.4		µg/kg wet		20.0		117	70-130		
Ethyl tert-butyl ether	15.0		µg/kg wet		20.0		75	70-130		
Di-isopropyl ether	16.1		µg/kg wet		20.0		80	70-130		
Tert-Butanol / butyl alcohol	205		µg/kg wet		200		103	70-130		
1,4-Dioxane	231		µg/kg wet		200		116	48.7-130		
trans-1,4-Dichloro-2-butene	17.1		µg/kg wet		20.0		85	70-130		
Ethanol	411		µg/kg wet		400		103	70-130		
Surrogate: 4-Bromofluorobenzene	*30.4*		µg/kg wet		*30.0*		*101*	*70-130*		
Surrogate: Toluene-d8	*30.0*		µg/kg wet		*30.0*		*100*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*29.1*		µg/kg wet		*30.0*		*97*	*70-130*		
Surrogate: Dibromofluoromethane	*30.6*		µg/kg wet		*30.0*		*102*	*70-130*		
LCS Dup (9011267-BSD1)										
Prepared & Analyzed: 21-Jan-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	25.2		µg/kg wet		20.0		126	70-130	9	25
Acetone	18.3		µg/kg wet		20.0		91	7.9-168	21	50
Acrylonitrile	18.1		µg/kg wet		20.0		91	70-130	13	25
Benzene	20.0		µg/kg wet		20.0		100	70-130	4	25
Bromobenzene	21.5		µg/kg wet		20.0		108	70-130	0.3	25
Bromochloromethane	20.1		µg/kg wet		20.0		100	70-130	2	25
Bromodichloromethane	20.4		µg/kg wet		20.0		102	70-130	2	25
Bromoform	16.7		µg/kg wet		20.0		83	70-130	12	25
Bromomethane	19.2		µg/kg wet		20.0		96	50-134	6	50
2-Butanone (MEK)	18.8		µg/kg wet		20.0		94	44.6-130	2	50
n-Butylbenzene	22.1		µg/kg wet		20.0		111	70-130	13	25
sec-Butylbenzene	22.4		µg/kg wet		20.0		112	70-130	6	25
tert-Butylbenzene	23.3		µg/kg wet		20.0		117	70-130	5	25
Carbon disulfide	23.8		µg/kg wet		20.0		119	70-130	8	25
Carbon tetrachloride	19.6		µg/kg wet		20.0		98	70-130	8	25
Chlorobenzene	23.9		µg/kg wet		20.0		119	70-130	3	25
Chloroethane	18.1		µg/kg wet		20.0		90	59.2-130	9	50
Chloroform	22.6		µg/kg wet		20.0		113	70-130	3	25
Chloromethane	19.6		µg/kg wet		20.0		98	70-130	5	25
2-Chlorotoluene	19.8		µg/kg wet		20.0		99	70-130	5	25
4-Chlorotoluene	20.9		µg/kg wet		20.0		104	70-130	3	25
1,2-Dibromo-3-chloropropane	13.9		µg/kg wet		20.0		70	70-130	15	25
Dibromochloromethane	19.3		µg/kg wet		20.0		96	63.8-130	5	50
1,2-Dibromoethane (EDB)	18.8		µg/kg wet		20.0		94	70-130	6	25
Dibromomethane	19.6		µg/kg wet		20.0		98	70-130	0.9	25
1,2-Dichlorobenzene	20.5		µg/kg wet		20.0		103	70-130	3	25
1,3-Dichlorobenzene	22.0		µg/kg wet		20.0		110	70-130	1	25
1,4-Dichlorobenzene	22.8		µg/kg wet		20.0		114	70-130	5	25
Dichlorodifluoromethane (Freon12)	16.2		µg/kg wet		20.0		81	41.8-130	8	50
1,1-Dichloroethane	22.3		µg/kg wet		20.0		111	70-130	6	25
1,2-Dichloroethane	21.3		µg/kg wet		20.0		107	70-130	0.4	25
1,1-Dichloroethene	22.6		µg/kg wet		20.0		113	70-130	7	25

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9011267 - SW846 5030 Soil (high level)										
LCS Dup (9011267-BSD1)										
Prepared & Analyzed: 21-Jan-09										
cis-1,2-Dichloroethene	21.0		µg/kg wet		20.0		105	70-130	4	25
trans-1,2-Dichloroethene	20.4		µg/kg wet		20.0		102	70-130	3	25
1,2-Dichloropropane	19.3		µg/kg wet		20.0		97	70-130	5	25
1,3-Dichloropropane	17.5		µg/kg wet		20.0		88	70-130	2	25
2,2-Dichloropropane	17.3	QR5	µg/kg wet		20.0		86	70-130	48	25
1,1-Dichloropropene	20.8		µg/kg wet		20.0		104	70-130	5	25
cis-1,3-Dichloropropene	18.0		µg/kg wet		20.0		90	70-130	13	25
trans-1,3-Dichloropropene	16.4		µg/kg wet		20.0		82	70-130	11	25
Ethylbenzene	21.2		µg/kg wet		20.0		106	70-130	5	25
Hexachlorobutadiene	21.2		µg/kg wet		20.0		106	68.3-130	11	50
2-Hexanone (MBK)	17.6		µg/kg wet		20.0		88	70-130	7	25
Isopropylbenzene	18.3		µg/kg wet		20.0		92	70-130	4	25
4-Isopropyltoluene	22.1		µg/kg wet		20.0		111	70-130	8	25
Methyl tert-butyl ether	19.3		µg/kg wet		20.0		96	70-130	4	25
4-Methyl-2-pentanone (MIBK)	18.0		µg/kg wet		20.0		90	53.1-132	6	50
Methylene chloride	22.8		µg/kg wet		20.0		114	70-130	4	25
Naphthalene	17.7		µg/kg wet		20.0		89	70-130	7	25
n-Propylbenzene	21.6		µg/kg wet		20.0		108	70-130	7	25
Styrene	21.5		µg/kg wet		20.0		108	70-130	2	25
1,1,1,2-Tetrachloroethane	20.0		µg/kg wet		20.0		100	70-130	0.9	25
1,1,2,2-Tetrachloroethane	18.8		µg/kg wet		20.0		94	70-130	5	25
Tetrachloroethene	22.3		µg/kg wet		20.0		111	70-130	3	25
Toluene	20.2		µg/kg wet		20.0		101	70-130	4	25
1,2,3-Trichlorobenzene	20.8		µg/kg wet		20.0		104	70-130	0.1	25
1,2,4-Trichlorobenzene	20.7		µg/kg wet		20.0		103	70-130	2	25
1,3,5-Trichlorobenzene	21.0		µg/kg wet		20.0		105	70-130	5	25
1,1,1-Trichloroethane	20.6		µg/kg wet		20.0		103	70-130	5	25
1,1,2-Trichloroethane	18.9		µg/kg wet		20.0		94	70-130	5	25
Trichloroethene	21.8		µg/kg wet		20.0		109	70-130	7	25
Trichlorofluoromethane (Freon 11)	21.2		µg/kg wet		20.0		106	68.2-130	6	50
1,2,3-Trichloropropane	23.1		µg/kg wet		20.0		115	70-130	7	25
1,2,4-Trimethylbenzene	21.6		µg/kg wet		20.0		108	70-130	4	25
1,3,5-Trimethylbenzene	22.2		µg/kg wet		20.0		111	70-130	4	25
Vinyl chloride	20.2		µg/kg wet		20.0		101	70-130	9	25
m,p-Xylene	41.7		µg/kg wet		40.0		104	70-130	4	25
o-Xylene	21.9		µg/kg wet		20.0		109	70-130	2	25
Tetrahydrofuran	18.6		µg/kg wet		20.0		93	70-130	10	25
Ethyl ether	19.6		µg/kg wet		20.0		98	70-130	0.1	50
Tert-amyl methyl ether	22.2		µg/kg wet		20.0		111	70-130	6	25
Ethyl tert-butyl ether	15.4		µg/kg wet		20.0		77	70-130	2	25
Di-isopropyl ether	16.7		µg/kg wet		20.0		83	70-130	4	25
Tert-Butanol / butyl alcohol	181		µg/kg wet		200		90	70-130	13	25
1,4-Dioxane	203		µg/kg wet		200		101	48.7-130	13	25
trans-1,4-Dichloro-2-butene	17.0		µg/kg wet		20.0		85	70-130	0.5	25
Ethanol	538	QC1	µg/kg wet		400		135	70-130	27	30
Surrogate: 4-Bromofluorobenzene	*29.5*		µg/kg wet		*30.0*		*98*	*70-130*		
Surrogate: Toluene-d8	*30.1*		µg/kg wet		*30.0*		*100*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*28.9*		µg/kg wet		*30.0*		*96*	*70-130*		
Surrogate: Dibromofluoromethane	*30.0*		µg/kg wet		*30.0*		*100*	*70-130*		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9011267 - SW846 5030 Soil (high level)										
Matrix Spike (9011267-MS1)	**Source: SA89920-02**									
Prepared & Analyzed: 21-Jan-09										
Benzene	20.8		µg/kg dry		20.0	BRL	104	70-130		
Chlorobenzene	25.6		µg/kg dry		20.0	BRL	128	70-130		
1,1-Dichloroethene	23.3		µg/kg dry		20.0	BRL	116	70-130		
Toluene	21.8		µg/kg dry		20.0	BRL	109	70-130		
Trichloroethene	22.6		µg/kg dry		20.0	BRL	113	70-130		
Surrogate: 4-Bromofluorobenzene	*31.0*		µg/kg dry		*30.0*		*103*	*70-130*		
Surrogate: Toluene-d8	*30.2*		µg/kg dry		*30.0*		*101*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*28.4*		µg/kg dry		*30.0*		*95*	*70-130*		
Surrogate: Dibromofluoromethane	*28.8*		µg/kg dry		*30.0*		*96*	*70-130*		
Matrix Spike Dup (9011267-MSD1)	**Source: SA89920-02**									
Prepared & Analyzed: 21-Jan-09										
Benzene	21.5		µg/kg dry		20.0	BRL	108	70-130	3	30
Chlorobenzene	27.2	QM7	µg/kg dry		20.0	BRL	136	70-130	6	30
1,1-Dichloroethene	23.9		µg/kg dry		20.0	BRL	120	70-130	3	30
Toluene	22.3		µg/kg dry		20.0	BRL	111	70-130	2	30
Trichloroethene	23.5		µg/kg dry		20.0	BRL	117	70-130	4	30
Surrogate: 4-Bromofluorobenzene	*31.8*		µg/kg dry		*30.0*		*106*	*70-130*		
Surrogate: Toluene-d8	*29.5*		µg/kg dry		*30.0*		*98*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*28.3*		µg/kg dry		*30.0*		*94*	*70-130*		
Surrogate: Dibromofluoromethane	*29.9*		µg/kg dry		*30.0*		*100*	*70-130*		
Batch 9011401 - SW846 5035A Soil (low level)										
Blank (9011401-BLK1)										
Prepared & Analyzed: 22-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						

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9011401 - SW846 5035A Soil (low level)										
Blank (9011401-BLK1)										
Prepared & Analyzed: 22-Jan-09										
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						
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						

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9011401 - SW846 5035A Soil (low level)										
Blank (9011401-BLK1)										
Prepared & Analyzed: 22-Jan-09										
Ethanol	BRL		µg/kg wet	2000						
Surrogate: 4-Bromofluorobenzene	*43.6*		µg/kg wet		*50.0*		*87*	*70-130*		
Surrogate: Toluene-d8	*46.1*		µg/kg wet		*50.0*		*92*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*58.9*		µg/kg wet		*50.0*		*118*	*70-130*		
Surrogate: Dibromofluoromethane	*51.0*		µg/kg wet		*50.0*		*102*	*70-130*		
LCS (9011401-BS1)										
Prepared & Analyzed: 22-Jan-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	21.7		µg/kg wet		20.0		109	70-130		
Acetone	11.5		µg/kg wet		20.0		57	7.9-168		
Acrylonitrile	17.7		µg/kg wet		20.0		88	70-130		
Benzene	21.5		µg/kg wet		20.0		108	70-130		
Bromobenzene	19.0		µg/kg wet		20.0		95	70-130		
Bromochloromethane	17.6		µg/kg wet		20.0		88	70-130		
Bromodichloromethane	20.8		µg/kg wet		20.0		104	70-130		
Bromoform	18.9		µg/kg wet		20.0		94	70-130		
Bromomethane	17.3		µg/kg wet		20.0		86	50-134		
2-Butanone (MEK)	15.6		µg/kg wet		20.0		78	44.6-130		
n-Butylbenzene	23.1		µg/kg wet		20.0		115	70-130		
sec-Butylbenzene	20.5		µg/kg wet		20.0		102	70-130		
tert-Butylbenzene	20.2		µg/kg wet		20.0		101	70-130		
Carbon disulfide	21.8		µg/kg wet		20.0		109	70-130		
Carbon tetrachloride	20.5		µg/kg wet		20.0		103	70-130		
Chlorobenzene	20.3		µg/kg wet		20.0		101	70-130		
Chloroethane	17.4		µg/kg wet		20.0		87	59.2-130		
Chloroform	18.2		µg/kg wet		20.0		91	70-130		
Chloromethane	16.7		µg/kg wet		20.0		84	70-130		
2-Chlorotoluene	20.3		µg/kg wet		20.0		102	70-130		
4-Chlorotoluene	20.0		µg/kg wet		20.0		100	70-130		
1,2-Dibromo-3-chloropropane	19.6		µg/kg wet		20.0		98	70-130		
Dibromochloromethane	18.2		µg/kg wet		20.0		91	63.8-130		
1,2-Dibromoethane (EDB)	17.0		µg/kg wet		20.0		85	70-130		
Dibromomethane	17.3		µg/kg wet		20.0		86	70-130		
1,2-Dichlorobenzene	20.3		µg/kg wet		20.0		101	70-130		
1,3-Dichlorobenzene	18.8		µg/kg wet		20.0		94	70-130		
1,4-Dichlorobenzene	20.0		µg/kg wet		20.0		100	70-130		
Dichlorodifluoromethane (Freon12)	16.2		µg/kg wet		20.0		81	41.8-130		
1,1-Dichloroethane	19.8		µg/kg wet		20.0		99	70-130		
1,2-Dichloroethane	18.5		µg/kg wet		20.0		93	70-130		
1,1-Dichloroethene	21.9		µg/kg wet		20.0		109	70-130		
cis-1,2-Dichloroethene	20.0		µg/kg wet		20.0		100	70-130		
trans-1,2-Dichloroethene	20.5		µg/kg wet		20.0		102	70-130		
1,2-Dichloropropane	20.7		µg/kg wet		20.0		104	70-130		
1,3-Dichloropropane	17.4		µg/kg wet		20.0		87	70-130		
2,2-Dichloropropane	20.9		µg/kg wet		20.0		104	70-130		
1,1-Dichloropropene	21.6		µg/kg wet		20.0		108	70-130		
cis-1,3-Dichloropropene	20.2		µg/kg wet		20.0		101	70-130		
trans-1,3-Dichloropropene	20.6		µg/kg wet		20.0		103	70-130		
Ethylbenzene	20.9		µg/kg wet		20.0		104	70-130		
Hexachlorobutadiene	18.7		µg/kg wet		20.0		94	68.3-130		
2-Hexanone (MBK)	16.3		µg/kg wet		20.0		81	70-130		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9011401 - SW846 5035A Soil (low level)										
LCS (9011401-BS1)										
Prepared & Analyzed: 22-Jan-09										
Isopropylbenzene	20.5		µg/kg wet		20.0		102	70-130		
4-Isopropyltoluene	22.0		µg/kg wet		20.0		110	70-130		
Methyl tert-butyl ether	19.4		µg/kg wet		20.0		97	70-130		
4-Methyl-2-pentanone (MIBK)	13.8		µg/kg wet		20.0		69	53.1-132		
Methylene chloride	18.4		µg/kg wet		20.0		92	70-130		
Naphthalene	16.6		µg/kg wet		20.0		83	70-130		
n-Propylbenzene	21.1		µg/kg wet		20.0		105	70-130		
Styrene	20.3		µg/kg wet		20.0		101	70-130		
1,1,1,2-Tetrachloroethane	20.1		µg/kg wet		20.0		100	70-130		
1,1,2,2-Tetrachloroethane	18.5		µg/kg wet		20.0		92	70-130		
Tetrachloroethene	18.1		µg/kg wet		20.0		90	70-130		
Toluene	17.7		µg/kg wet		20.0		89	70-130		
1,2,3-Trichlorobenzene	17.8		µg/kg wet		20.0		89	70-130		
1,2,4-Trichlorobenzene	18.2		µg/kg wet		20.0		91	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	18.8		µg/kg wet		20.0		94	70-130		
Trichloroethene	20.2		µg/kg wet		20.0		101	70-130		
Trichlorofluoromethane (Freon 11)	21.0		µg/kg wet		20.0		105	68.2-130		
1,2,3-Trichloropropane	17.9		µg/kg wet		20.0		90	70-130		
1,2,4-Trimethylbenzene	20.1		µg/kg wet		20.0		101	70-130		
1,3,5-Trimethylbenzene	20.5		µg/kg wet		20.0		102	70-130		
Vinyl chloride	19.1		µg/kg wet		20.0		96	70-130		
m,p-Xylene	42.1		µg/kg wet		40.0		105	70-130		
o-Xylene	20.5		µg/kg wet		20.0		102	70-130		
Tetrahydrofuran	16.9		µg/kg wet		20.0		84	70-130		
Ethyl ether	18.8		µg/kg wet		20.0		94	70-130		
Tert-amyl methyl ether	20.6		µg/kg wet		20.0		103	70-130		
Ethyl tert-butyl ether	20.8		µg/kg wet		20.0		104	70-130		
Di-isopropyl ether	21.0		µg/kg wet		20.0		105	70-130		
Tert-Butanol / butyl alcohol	166		µg/kg wet		200		83	70-130		
1,4-Dioxane	142		µg/kg wet		200		71	48.7-130		
trans-1,4-Dichloro-2-butene	19.5		µg/kg wet		20.0		98	70-130		
Ethanol	374		µg/kg wet		400		93	70-130		
Surrogate: 4-Bromofluorobenzene	*48.7*		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	*45.4*		µg/kg wet		*50.0*		*91*	*70-130*		
Surrogate: Dibromofluoromethane	*45.9*		µg/kg wet		*50.0*		*92*	*70-130*		
LCS Dup (9011401-BSD1)										
Prepared & Analyzed: 22-Jan-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	23.2		µg/kg wet		20.0		116	70-130	6	25
Acetone	12.5		µg/kg wet		20.0		62	7.9-168	8	50
Acrylonitrile	18.8		µg/kg wet		20.0		94	70-130	6	25
Benzene	21.9		µg/kg wet		20.0		109	70-130	2	25
Bromobenzene	18.4		µg/kg wet		20.0		92	70-130	3	25
Bromochloromethane	16.7		µg/kg wet		20.0		83	70-130	5	25
Bromodichloromethane	21.6		µg/kg wet		20.0		108	70-130	4	25
Bromoform	19.4		µg/kg wet		20.0		97	70-130	2	25
Bromomethane	16.8		µg/kg wet		20.0		84	50-134	3	50
2-Butanone (MEK)	16.7		µg/kg wet		20.0		84	44.6-130	7	50

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9011401 - SW846 5035A Soil (low level)										
LCS Dup (9011401-BSD1)										
Prepared & Analyzed: 22-Jan-09										
n-Butylbenzene	23.2		µg/kg wet		20.0		116	70-130	0.6	25
sec-Butylbenzene	20.1		µg/kg wet		20.0		101	70-130	2	25
tert-Butylbenzene	19.4		µg/kg wet		20.0		97	70-130	4	25
Carbon disulfide	22.1		µg/kg wet		20.0		110	70-130	2	25
Carbon tetrachloride	22.1		µg/kg wet		20.0		111	70-130	8	25
Chlorobenzene	20.1		µg/kg wet		20.0		100	70-130	0.9	25
Chloroethane	17.5		µg/kg wet		20.0		88	59.2-130	0.7	50
Chloroform	19.4		µg/kg wet		20.0		97	70-130	6	25
Chloromethane	16.4		µg/kg wet		20.0		82	70-130	2	25
2-Chlorotoluene	20.8		µg/kg wet		20.0		104	70-130	2	25
4-Chlorotoluene	20.3		µg/kg wet		20.0		101	70-130	1	25
1,2-Dibromo-3-chloropropane	21.0		µg/kg wet		20.0		105	70-130	7	25
Dibromochloromethane	18.8		µg/kg wet		20.0		94	63.8-130	3	50
1,2-Dibromoethane (EDB)	18.0		µg/kg wet		20.0		90	70-130	6	25
Dibromomethane	18.5		µg/kg wet		20.0		92	70-130	7	25
1,2-Dichlorobenzene	20.2		µg/kg wet		20.0		101	70-130	0.3	25
1,3-Dichlorobenzene	18.1		µg/kg wet		20.0		91	70-130	4	25
1,4-Dichlorobenzene	20.6		µg/kg wet		20.0		103	70-130	3	25
Dichlorodifluoromethane (Freon12)	16.2		µg/kg wet		20.0		81	41.8-130	0.4	50
1,1-Dichloroethane	20.9		µg/kg wet		20.0		104	70-130	5	25
1,2-Dichloroethane	19.6		µg/kg wet		20.0		98	70-130	6	25
1,1-Dichloroethene	22.0		µg/kg wet		20.0		110	70-130	0.3	25
cis-1,2-Dichloroethene	20.5		µg/kg wet		20.0		102	70-130	3	25
trans-1,2-Dichloroethene	21.4		µg/kg wet		20.0		107	70-130	4	25
1,2-Dichloropropane	21.7		µg/kg wet		20.0		108	70-130	5	25
1,3-Dichloropropane	18.7		µg/kg wet		20.0		94	70-130	7	25
2,2-Dichloropropane	22.1		µg/kg wet		20.0		110	70-130	6	25
1,1-Dichloropropene	22.5		µg/kg wet		20.0		113	70-130	4	25
cis-1,3-Dichloropropene	20.8		µg/kg wet		20.0		104	70-130	3	25
trans-1,3-Dichloropropene	21.2		µg/kg wet		20.0		106	70-130	3	25
Ethylbenzene	21.2		µg/kg wet		20.0		106	70-130	2	25
Hexachlorobutadiene	18.8		µg/kg wet		20.0		94	68.3-130	0.6	50
2-Hexanone (MBK)	16.8		µg/kg wet		20.0		84	70-130	3	25
Isopropylbenzene	20.2		µg/kg wet		20.0		101	70-130	1	25
4-Isopropyltoluene	22.0		µg/kg wet		20.0		110	70-130	0.05	25
Methyl tert-butyl ether	21.4		µg/kg wet		20.0		107	70-130	10	25
4-Methyl-2-pentanone (MIBK)	17.9		µg/kg wet		20.0		90	53.1-132	26	50
Methylene chloride	17.8		µg/kg wet		20.0		89	70-130	3	25
Naphthalene	17.0		µg/kg wet		20.0		85	70-130	2	25
n-Propylbenzene	20.6		µg/kg wet		20.0		103	70-130	2	25
Styrene	20.2		µg/kg wet		20.0		101	70-130	0.3	25
1,1,1,2-Tetrachloroethane	20.3		µg/kg wet		20.0		101	70-130	0.9	25
1,1,2,2-Tetrachloroethane	19.0		µg/kg wet		20.0		95	70-130	3	25
Tetrachloroethene	19.4		µg/kg wet		20.0		97	70-130	7	25
Toluene	18.1		µg/kg wet		20.0		91	70-130	2	25
1,2,3-Trichlorobenzene	17.8		µg/kg wet		20.0		89	70-130	0.3	25
1,2,4-Trichlorobenzene	18.4		µg/kg wet		20.0		92	70-130	0.6	25
1,3,5-Trichlorobenzene	19.8		µg/kg wet		20.0		99	70-130	0	25
1,1,1-Trichloroethane	21.5		µg/kg wet		20.0		108	70-130	5	25

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9011401 - SW846 5035A Soil (low level)										
LCS Dup (9011401-BSD1)										
Prepared & Analyzed: 22-Jan-09										
1,1,2-Trichloroethane	18.4		µg/kg wet		20.0		92	70-130	2	25
Trichloroethene	21.1		µg/kg wet		20.0		105	70-130	4	25
Trichlorofluoromethane (Freon 11)	20.9		µg/kg wet		20.0		104	68.2-130	0.9	50
1,2,3-Trichloropropane	19.2		µg/kg wet		20.0		96	70-130	7	25
1,2,4-Trimethylbenzene	19.9		µg/kg wet		20.0		100	70-130	0.9	25
1,3,5-Trimethylbenzene	20.1		µg/kg wet		20.0		100	70-130	2	25
Vinyl chloride	19.0		µg/kg wet		20.0		95	70-130	0.9	25
m,p-Xylene	42.4		µg/kg wet		40.0		106	70-130	0.8	25
o-Xylene	20.6		µg/kg wet		20.0		103	70-130	0.5	25
Tetrahydrofuran	16.4		µg/kg wet		20.0		82	70-130	3	25
Ethyl ether	21.4		µg/kg wet		20.0		107	70-130	13	50
Tert-amyl methyl ether	20.7		µg/kg wet		20.0		104	70-130	0.9	25
Ethyl tert-butyl ether	22.0		µg/kg wet		20.0		110	70-130	5	25
Di-isopropyl ether	22.5		µg/kg wet		20.0		112	70-130	7	25
Tert-Butanol / butyl alcohol	175		µg/kg wet		200		87	70-130	5	25
1,4-Dioxane	152		µg/kg wet		200		76	48.7-130	7	25
trans-1,4-Dichloro-2-butene	20.1		µg/kg wet		20.0		101	70-130	3	25
Ethanol	342		µg/kg wet		400		86	70-130	9	30
Surrogate: 4-Bromofluorobenzene	*47.4*		µg/kg wet		*50.0*		*95*	*70-130*		
Surrogate: Toluene-d8	*46.5*		µg/kg wet		*50.0*		*93*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*46.7*		µg/kg wet		*50.0*		*93*	*70-130*		
Surrogate: Dibromofluoromethane	*46.7*		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 9011233 - SW846 3550B										
Blank (9011233-BLK1)										
Prepared: 21-Jan-09 Analyzed: 22-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 9011233 - SW846 3550B										
Blank (9011233-BLK1)										
Prepared: 21-Jan-09 Analyzed: 22-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	*1940*		µg/kg wet		*3330*		*58*	*30-130*		
Surrogate: 2-Fluorophenol	*1830*		µg/kg wet		*3330*		*55*	*15-110*		
Surrogate: Nitrobenzene-d5	*1840*		µg/kg wet		*3330*		*55*	*30-130*		
Surrogate: Phenol-d5	*1720*		µg/kg wet		*3330*		*52*	*15-110*		
Surrogate: Terphenyl-dl4	*1680*		µg/kg wet		*3330*		*50*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*1780*		µg/kg wet		*3330*		*53*	*15-110*		
LCS (9011233-BS1)										
Prepared: 21-Jan-09 Analyzed: 22-Jan-09										
Acenaphthene	2350		µg/kg wet	330	3330		71	40-130		
Acenaphthylene	2230		µg/kg wet	330	3330		67	40-130		
Aniline	818	QC2	µg/kg wet	330	3330		25	40-130		
Anthracene	2370		µg/kg wet	330	3330		71	40-130		
Atrazine	1880		µg/kg wet	330	3330		56	40-130		
Azobenzene/Diphenyldiazine	2450		µg/kg wet	330	3330		73	40-130		
Benzidine	58.7		µg/kg wet	330	3330		2	0-130		
Benzo (a) anthracene	2240		µg/kg wet	330	3330		67	40-130		
Benzo (a) pyrene	2350		µg/kg wet	330	3330		70	40-130		
Benzo (b) fluoranthene	2270		µg/kg wet	330	3330		68	40-130		
Benzo (g,h,i) perylene	2480		µg/kg wet	330	3330		74	40-130		
Benzo (k) fluoranthene	2560		µg/kg wet	330	3330		77	40-130		
Benzoic acid	2540		µg/kg wet	330	3330		76	19.5-130		
Benzyl alcohol	2170		µg/kg wet	330	3330		65	40-130		
Bis(2-chloroethoxy)methane	2380		µg/kg wet	330	3330		71	40-130		
Bis(2-chloroethyl)ether	2570		µg/kg wet	330	3330		77	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 9011233 - SW846 3550B										
LCS (9011233-BS1)										
Prepared: 21-Jan-09 Analyzed: 22-Jan-09										
Bis(2-chloroisopropyl)ether	2390		µg/kg wet	330	3330		72	40-130		
Bis(2-ethylhexyl)phthalate	2630		µg/kg wet	330	3330		79	40-130		
4-Bromophenyl phenyl ether	2640		µg/kg wet	330	3330		79	40-130		
Butyl benzyl phthalate	2630		µg/kg wet	330	3330		79	40-130		
Carbazole	3700		µg/kg wet	330	3330		111	40-130		
4-Chloro-3-methylphenol	2440		µg/kg wet	330	3330		73	40-130		
4-Chloroaniline	1580		µg/kg wet	330	3330		47	40-130		
2-Chloronaphthalene	2140		µg/kg wet	330	3330		64	40-130		
2-Chlorophenol	2180		µg/kg wet	330	3330		65	40-130		
4-Chlorophenyl phenyl ether	2700		µg/kg wet	330	3330		81	40-130		
Chrysene	2250		µg/kg wet	330	3330		68	40-130		
Dibenzo (a,h) anthracene	2520		µg/kg wet	330	3330		75	40-130		
Dibenzofuran	2280		µg/kg wet	330	3330		68	40-130		
1,2-Dichlorobenzene	2150		µg/kg wet	330	3330		65	40-130		
1,3-Dichlorobenzene	2010		µg/kg wet	330	3330		60	40-130		
1,4-Dichlorobenzene	2110		µg/kg wet	330	3330		63	40-130		
3,3'-Dichlorobenzidine	3060		µg/kg wet	330	3330		92	40-130		
2,4-Dichlorophenol	2190		µg/kg wet	330	3330		66	40-130		
Diethyl phthalate	2640		µg/kg wet	330	3330		79	40-130		
Dimethyl phthalate	2600		µg/kg wet	330	3330		78	40-130		
2,4-Dimethylphenol	2160		µg/kg wet	330	3330		65	40-130		
Di-n-butyl phthalate	2740		µg/kg wet	330	3330		82	40-130		
4,6-Dinitro-2-methylphenol	2410		µg/kg wet	330	3330		72	40-130		
2,4-Dinitrophenol	2340		µg/kg wet	330	3330		70	40-130		
2,4-Dinitrotoluene	2480		µg/kg wet	330	3330		75	40-130		
2,6-Dinitrotoluene	2430		µg/kg wet	330	3330		73	40-130		
Di-n-octyl phthalate	2770		µg/kg wet	330	3330		83	40-130		
Fluoranthene	2440		µg/kg wet	330	3330		73	40-130		
Fluorene	2450		µg/kg wet	330	3330		74	40-130		
Hexachlorobenzene	2260		µg/kg wet	330	3330		68	40-130		
Hexachlorobutadiene	2120		µg/kg wet	330	3330		64	40-130		
Hexachlorocyclopentadiene	1830		µg/kg wet	330	3330		55	40-130		
Hexachloroethane	2160		µg/kg wet	330	3330		65	40-130		
Indeno (1,2,3-cd) pyrene	2360		µg/kg wet	330	3330		71	40-130		
1-Methylnaphthalene	2380		µg/kg wet	330	3330		71	40-140		
Isophorone	2140		µg/kg wet	330	3330		64	40-130		
2-Methylnaphthalene	2180		µg/kg wet	330	3330		65	40-130		
2-Methylphenol	2480		µg/kg wet	330	3330		74	40-130		
3 & 4-Methylphenol	2470		µg/kg wet	330	3330		74	40-130		
Naphthalene	2130		µg/kg wet	330	3330		64	40-130		
2-Nitroaniline	2390		µg/kg wet	330	3330		72	40-130		
3-Nitroaniline	2420		µg/kg wet	330	3330		73	40-130		
4-Nitroaniline	2510		µg/kg wet	1320	3330		75	40-130		
Nitrobenzene	2090		µg/kg wet	330	3330		63	40-130		
2-Nitrophenol	2160		µg/kg wet	330	3330		65	40-130		
4-Nitrophenol	1700		µg/kg wet	1320	3330		51	40-130		
N-Nitrosodimethylamine	2210		µg/kg wet	330	3330		66	40-130		
N-Nitrosodi-n-propylamine	2730		µg/kg wet	330	3330		82	40-130		
N-Nitrosodiphenylamine	2690		µg/kg wet	330	3330		81	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 9011233 - SW846 3550B										
LCS (9011233-BS1)										
Prepared: 21-Jan-09 Analyzed: 22-Jan-09										
Pentachlorophenol	2760		µg/kg wet	330	3330		83	40-130		
Phenanthrene	2430		µg/kg wet	330	3330		73	40-130		
Phenol	2250		µg/kg wet	330	3330		68	40-130		
Pyrene	2220		µg/kg wet	330	3330		67	40-130		
Pyridine	363		µg/kg wet	330	3330		11	0-130		
1,2,4-Trichlorobenzene	2010		µg/kg wet	330	3330		60	40-130		
2,4,5-Trichlorophenol	2520		µg/kg wet	330	3330		76	40-130		
2,4,6-Trichlorophenol	2200		µg/kg wet	330	3330		66	40-130		
Pentachloronitrobenzene	2500		µg/kg wet	330	3330		75	40-140		
1,2,4,5-Tetrachlorobenzene	2090		µg/kg wet	330	3330		63	40-140		
Surrogate: 2-Fluorobiphenyl	*2240*		µg/kg wet		*3330*		*67*	*30-130*		
Surrogate: 2-Fluorophenol	*2040*		µg/kg wet		*3330*		*61*	*15-110*		
Surrogate: Nitrobenzene-d5	*2140*		µg/kg wet		*3330*		*64*	*30-130*		
Surrogate: Phenol-d5	*1960*		µg/kg wet		*3330*		*59*	*15-110*		
Surrogate: Terphenyl-dl4	*1980*		µg/kg wet		*3330*		*59*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*2550*		µg/kg wet		*3330*		*77*	*15-110*		
Duplicate (9011233-DUP1) **Source: SA90057-01**										
Prepared: 21-Jan-09 Analyzed: 22-Jan-09										
Acenaphthene	BRL		µg/kg dry	698		BRL				50
Acenaphthylene	BRL		µg/kg dry	698		BRL				50
Aniline	BRL		µg/kg dry	698		BRL				50
Anthracene	BRL		µg/kg dry	698		BRL				50
Atrazine	BRL		µg/kg dry	698		BRL				50
Azobenzene/Diphenyldiazine	BRL		µg/kg dry	698		BRL				50
Benzidine	BRL		µg/kg dry	698		BRL				50
Benzo (a) anthracene	BRL		µg/kg dry	698		BRL				50
Benzo (a) pyrene	BRL		µg/kg dry	698		BRL				50
Benzo (b) fluoranthene	BRL		µg/kg dry	698		BRL				50
Benzo (g,h,i) perylene	BRL		µg/kg dry	698		BRL				50
Benzo (k) fluoranthene	BRL		µg/kg dry	698		BRL				50
Benzoic acid	BRL		µg/kg dry	698		BRL				50
Benzyl alcohol	BRL		µg/kg dry	698		BRL				50
Bis(2-chloroethoxy)methane	BRL		µg/kg dry	698		BRL				50
Bis(2-chloroethyl)ether	BRL		µg/kg dry	698		BRL				50
Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	698		BRL				50
Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	698		BRL				50
4-Bromophenyl phenyl ether	BRL		µg/kg dry	698		BRL				50
Butyl benzyl phthalate	BRL		µg/kg dry	698		BRL				50
Carbazole	BRL		µg/kg dry	698		BRL				50
4-Chloro-3-methylphenol	BRL		µg/kg dry	698		BRL				50
4-Chloroaniline	BRL		µg/kg dry	698		BRL				50
2-Chloronaphthalene	BRL		µg/kg dry	698		BRL				50
2-Chlorophenol	BRL		µg/kg dry	698		BRL				50
4-Chlorophenyl phenyl ether	BRL		µg/kg dry	698		BRL				50
Chrysene	BRL		µg/kg dry	698		BRL				50
Dibenzo (a,h) anthracene	BRL		µg/kg dry	698		BRL				50
Dibenzofuran	BRL		µg/kg dry	698		BRL				50
1,2-Dichlorobenzene	BRL		µg/kg dry	698		BRL				50
1,3-Dichlorobenzene	BRL		µg/kg dry	698		BRL				50
1,4-Dichlorobenzene	BRL		µg/kg dry	698		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 9011233 - SW846 3550B										
Duplicate (9011233-DUP1) **Source: SA90057-01**										
Prepared: 21-Jan-09 Analyzed: 22-Jan-09										
3,3'-Dichlorobenzidine	BRL		µg/kg dry	698		BRL				50
2,4-Dichlorophenol	BRL		µg/kg dry	698		BRL				50
Diethyl phthalate	BRL		µg/kg dry	698		BRL				50
Dimethyl phthalate	BRL		µg/kg dry	698		BRL				50
2,4-Dimethylphenol	BRL		µg/kg dry	698		BRL				50
Di-n-butyl phthalate	BRL		µg/kg dry	698		BRL				50
4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	698		BRL				50
2,4-Dinitrophenol	BRL		µg/kg dry	698		BRL				50
2,4-Dinitrotoluene	BRL		µg/kg dry	698		BRL				50
2,6-Dinitrotoluene	BRL		µg/kg dry	698		BRL				50
Di-n-octyl phthalate	BRL		µg/kg dry	698		BRL				50
Fluoranthene	BRL		µg/kg dry	698		BRL				50
Fluorene	BRL		µg/kg dry	698		BRL				50
Hexachlorobenzene	BRL		µg/kg dry	698		BRL				50
Hexachlorobutadiene	BRL		µg/kg dry	698		BRL				50
Hexachlorocyclopentadiene	BRL		µg/kg dry	698		BRL				50
Hexachloroethane	BRL		µg/kg dry	698		BRL				50
Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	698		BRL				50
Isophorone	BRL		µg/kg dry	698		BRL				50
1-Methylnaphthalene	BRL		µg/kg dry	698		BRL				50
2-Methylnaphthalene	BRL		µg/kg dry	698		BRL				50
2-Methylphenol	BRL		µg/kg dry	698		BRL				50
3 & 4-Methylphenol	BRL		µg/kg dry	698		BRL				50
Naphthalene	BRL		µg/kg dry	698		BRL				50
2-Nitroaniline	BRL		µg/kg dry	698		BRL				50
3-Nitroaniline	BRL		µg/kg dry	698		BRL				50
4-Nitroaniline	BRL		µg/kg dry	2790		BRL				50
Nitrobenzene	BRL		µg/kg dry	698		BRL				50
2-Nitrophenol	BRL		µg/kg dry	698		BRL				50
4-Nitrophenol	BRL		µg/kg dry	2790		BRL				50
N-Nitrosodimethylamine	BRL		µg/kg dry	698		BRL				50
N-Nitrosodi-n-propylamine	BRL		µg/kg dry	698		BRL				50
N-Nitrosodiphenylamine	BRL		µg/kg dry	698		BRL				50
Pentachlorophenol	BRL		µg/kg dry	698		BRL				50
Phenanthrene	BRL		µg/kg dry	698		BRL				50
Phenol	BRL		µg/kg dry	698		BRL				50
Pyrene	BRL		µg/kg dry	698		BRL				50
Pyridine	BRL		µg/kg dry	698		BRL				50
1,2,4-Trichlorobenzene	BRL		µg/kg dry	698		BRL				50
2,4,5-Trichlorophenol	BRL		µg/kg dry	698		BRL				50
2,4,6-Trichlorophenol	BRL		µg/kg dry	698		BRL				50
Pentachloronitrobenzene	BRL		µg/kg dry	698		BRL				50
1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	698		BRL				50
Surrogate: 2-Fluorobiphenyl	*3080*		µg/kg dry		*3530*		*87*	*30-130*		
Surrogate: 2-Fluorophenol	*2770*		µg/kg dry		*3530*		*79*	*15-110*		
Surrogate: Nitrobenzene-d5	*2870*		µg/kg dry		*3530*		*81*	*30-130*		
Surrogate: Phenol-d5	*2650*		µg/kg dry		*3530*		*75*	*15-110*		
Surrogate: Terphenyl-d14	*2530*		µg/kg dry		*3530*		*72*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*2600*		µg/kg dry		*3530*		*74*	*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 9011233 - SW846 3550B										
Matrix Spike (9011233-MS1) **Source: SA90057-01**										
Prepared: 21-Jan-09 Analyzed: 22-Jan-09										
Acenaphthene	2650		µg/kg dry	354	3580	BRL	74	40-140		
Benzo (b) fluoranthene	2620		µg/kg dry	354	3580	BRL	73	40-140		
Benzo (k) fluoranthene	3110		µg/kg dry	354	3580	BRL	87	40-140		
4-Chloro-3-methylphenol	2950		µg/kg dry	354	3580	BRL	82	30-130		
2-Chlorophenol	2390		µg/kg dry	354	3580	BRL	67	30-130		
Chrysene	2680		µg/kg dry	354	3580	BRL	75	40-140		
1,4-Dichlorobenzene	2280		µg/kg dry	354	3580	BRL	64	40-140		
Indeno (1,2,3-cd) pyrene	2930		µg/kg dry	354	3580	BRL	82	40-140		
Naphthalene	2370		µg/kg dry	354	3580	BRL	66	40-140		
4-Nitrophenol	2010		µg/kg dry	1420	3580	BRL	56	30-130		
N-Nitrosodi-n-propylamine	3070		µg/kg dry	354	3580	BRL	86	40-140		
Pentachlorophenol	3230		µg/kg dry	354	3580	BRL	90	30-130		
Phenol	2550		µg/kg dry	354	3580	BRL	71	30-130		
Pyrene	2590		µg/kg dry	354	3580	BRL	72	40-140		
1,2,4-Trichlorobenzene	2180		µg/kg dry	354	3580	BRL	61	40-140		
Surrogate: 2-Fluorobiphenyl	*1680*		µg/kg dry		*3580*		*47*	*30-130*		
Surrogate: 2-Fluorophenol	*1330*		µg/kg dry		*3580*		*37*	*15-110*		
Surrogate: Nitrobenzene-d5	*1520*		µg/kg dry		*3580*		*42*	*30-130*		
Surrogate: Phenol-d5	*1410*		µg/kg dry		*3580*		*39*	*15-110*		
Surrogate: Terphenyl-dl4	*1530*		µg/kg dry		*3580*		*43*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*1910*		µg/kg dry		*3580*		*53*	*15-110*		
Matrix Spike Dup (9011233-MSD1) **Source: SA90057-01**										
Prepared: 21-Jan-09 Analyzed: 22-Jan-09										
Acenaphthene	2860		µg/kg dry	358	3620	BRL	79	40-140	7	30
Benzo (b) fluoranthene	2690		µg/kg dry	358	3620	BRL	74	40-140	1	30
Benzo (k) fluoranthene	3190		µg/kg dry	358	3620	BRL	88	40-140	1	30
4-Chloro-3-methylphenol	3090		µg/kg dry	358	3620	BRL	86	30-130	4	30
2-Chlorophenol	2840		µg/kg dry	358	3620	BRL	79	30-130	16	30
Chrysene	2720		µg/kg dry	358	3620	BRL	75	40-140	0.7	30
1,4-Dichlorobenzene	2740		µg/kg dry	358	3620	BRL	76	40-140	17	30
Indeno (1,2,3-cd) pyrene	3000		µg/kg dry	358	3620	BRL	83	40-140	1	30
Naphthalene	2800		µg/kg dry	358	3620	BRL	77	40-140	16	30
4-Nitrophenol	2150		µg/kg dry	1430	3620	BRL	59	30-130	6	30
N-Nitrosodi-n-propylamine	3490		µg/kg dry	358	3620	BRL	96	40-140	12	30
Pentachlorophenol	3410		µg/kg dry	358	3620	BRL	94	30-130	4	30
Phenol	2940		µg/kg dry	358	3620	BRL	81	30-130	13	30
Pyrene	2670		µg/kg dry	358	3620	BRL	74	40-140	2	30
1,2,4-Trichlorobenzene	2620		µg/kg dry	358	3620	BRL	73	40-140	17	30
Surrogate: 2-Fluorobiphenyl	*2770*		µg/kg dry		*3620*		*77*	*30-130*		
Surrogate: 2-Fluorophenol	*2560*		µg/kg dry		*3620*		*71*	*15-110*		
Surrogate: Nitrobenzene-d5	*2820*		µg/kg dry		*3620*		*78*	*30-130*		
Surrogate: Phenol-d5	*2540*		µg/kg dry		*3620*		*70*	*15-110*		
Surrogate: Terphenyl-dl4	*2370*		µg/kg dry		*3620*		*66*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*3150*		µg/kg dry		*3620*		*87*	*15-110*		

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9011361 - SW846 3545A										
Blank (9011361-BLK1)										
Prepared & Analyzed: 22-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)	*12.1*		µg/kg wet		*20.0*		*60*	*30-150*		
LCS (9011361-BS1)										
Prepared & Analyzed: 22-Jan-09										
PCB 1016	223		µg/kg wet	20.0	250		89	40-140		
PCB 1260	248		µg/kg wet	20.0	250		99	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*17.6*		µg/kg wet		*20.0*		*88*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*12.2*		µg/kg wet		*20.0*		*61*	*30-150*		
LCS Dup (9011361-BSD1)										
Prepared & Analyzed: 22-Jan-09										
PCB 1016	222		µg/kg wet	20.0	250		89	40-140	0.6	30
PCB 1260	252		µg/kg wet	20.0	250		101	40-140	1	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*17.9*		µg/kg wet		*20.0*		*90*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*12.2*		µg/kg wet		*20.0*		*61*	*30-150*		
Duplicate (9011361-DUP1) **Source: SA90098-04**										
Prepared: 22-Jan-09 Analyzed: 24-Jan-09										
PCB 1016	BRL		µg/kg dry	21.0		BRL				40
PCB 1221	BRL		µg/kg dry	21.0		BRL				40
PCB 1232	BRL		µg/kg dry	21.0		BRL				40
PCB 1242	BRL		µg/kg dry	21.0		BRL				40
PCB 1248	BRL		µg/kg dry	21.0		BRL				40
PCB 1254	BRL		µg/kg dry	21.0		BRL				40
PCB 1260	BRL		µg/kg dry	21.0		BRL				40
PCB 1262	BRL		µg/kg dry	21.0		BRL				40
PCB 1268	BRL		µg/kg dry	21.0		BRL				40
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*19.8*		µg/kg dry		*20.9*		*94*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*13.2*		µg/kg dry		*20.9*		*63*	*30-150*		
Matrix Spike (9011361-MS1) **Source: SA90098-04**										
Prepared: 22-Jan-09 Analyzed: 24-Jan-09										
PCB 1016	243		µg/kg dry	20.6	258	BRL	94	40-140		
PCB 1260	269		µg/kg dry	20.6	258	BRL	104	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*18.5*		µg/kg dry		*20.6*		*90*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*12.1*		µg/kg dry		*20.6*		*59*	*30-150*		
Matrix Spike Dup (9011361-MSD1) **Source: SA90098-04**										
Prepared: 22-Jan-09 Analyzed: 24-Jan-09										
PCB 1016	247		µg/kg dry	21.2	265	BRL	93	40-140	0.7	50
PCB 1260	283		µg/kg dry	21.2	265	BRL	107	40-140	3	50
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*19.5*		µg/kg dry		*21.2*		*92*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*12.3*		µg/kg dry		*21.2*		*58*	*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*		

Extractable Petroleum Hydrocarbons - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9011232 - SW846 3550B										
Blank (9011232-BLK1)										
Prepared: 21-Jan-09 Analyzed: 22-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	*3.10*		mg/kg wet		*3.33*		*93*	*50-150*		
LCS (9011232-BS1)										
Prepared: 21-Jan-09 Analyzed: 22-Jan-09										
C9-C36 Aliphatic Hydrocarbons	62.3		mg/kg wet	13.3	93.3		67	60-120		
Surrogate: 1-Chlorooctadecane	*2.54*		mg/kg wet		*3.33*		*76*	*50-150*		
Duplicate (9011232-DUP1) **Source: SA90057-01**										
Prepared: 21-Jan-09 Analyzed: 22-Jan-09										
Gasoline	BRL		mg/kg dry	28.1		BRL				50
Fuel Oil #2	BRL		mg/kg dry	28.1		BRL				50
Fuel Oil #4	BRL		mg/kg dry	28.1		BRL				50
Fuel Oil #6	BRL		mg/kg dry	28.1		BRL				50
Motor Oil	BRL		mg/kg dry	28.1		BRL				50
Aviation Fuel	BRL		mg/kg dry	28.1		BRL				50
Unidentified	BRL		mg/kg dry	28.1		BRL				50
Other Oil	BRL		mg/kg dry	28.1		BRL				50
Total Petroleum Hydrocarbons	BRL		mg/kg dry	28.1		BRL				50
C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	28.1		BRL				50
Surrogate: 1-Chlorooctadecane	*3.52*		mg/kg dry		*3.53*		*100*	*50-150*		
Matrix Spike (9011232-MS1) **Source: SA90057-01**										
Prepared: 21-Jan-09 Analyzed: 22-Jan-09										
C9-C36 Aliphatic Hydrocarbons	75.2		mg/kg dry	14.2	99.4	BRL	76	50-150		
Surrogate: 1-Chlorooctadecane	*2.96*		mg/kg dry		*3.55*		*83*	*50-150*		
Matrix Spike Dup (9011232-MSD1) **Source: SA90057-01**										
Prepared: 21-Jan-09 Analyzed: 22-Jan-09										
C9-C36 Aliphatic Hydrocarbons	69.2		mg/kg dry	14.3	100	BRL	69	50-150	9	30
Surrogate: 1-Chlorooctadecane	*2.82*		mg/kg dry		*3.58*		*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 9011158 - SW846 3050B										
Blank (9011158-BLK1)										
Prepared: 20-Jan-09 Analyzed: 21-Jan-09										
Lead	BRL		mg/kg wet	1.42						
Selenium	BRL		mg/kg wet	1.42						
Silver	BRL		mg/kg wet	1.42						
Cadmium	BRL		mg/kg wet	0.474						
Arsenic	BRL		mg/kg wet	1.42						
Chromium	BRL		mg/kg wet	0.948						
Barium	BRL		mg/kg wet	0.948						
Duplicate (9011158-DUP1)	**Source: SA90008-02**									
Prepared: 20-Jan-09 Analyzed: 21-Jan-09										
Lead	6.04		mg/kg dry	1.59		6.92			13	20
Selenium	BRL		mg/kg dry	1.59		BRL				20
Chromium	11.4		mg/kg dry	1.06		11.8			4	20
Arsenic	0.752	J	mg/kg dry	1.59		0.694			8	20
Silver	BRL		mg/kg dry	1.59		BRL				20
Cadmium	0.429	J	mg/kg dry	0.530		0.413			4	20
Barium	27.4		mg/kg dry	1.06		24.3			12	20
Matrix Spike (9011158-MS1)	**Source: SA90013-01**									
Prepared: 20-Jan-09 Analyzed: 21-Jan-09										
Selenium	259		mg/kg dry	3.12	260	BRL	99	75-125		
Lead	406		mg/kg dry	3.12	260	154	97	75-125		
Chromium	274		mg/kg dry	2.08	260	9.66	102	75-125		
Arsenic	266		mg/kg dry	3.12	260	6.34	100	75-125		
Silver	261		mg/kg dry	3.12	260	BRL	100	75-125		
Cadmium	262		mg/kg dry	1.04	260	1.04	100	75-125		
Barium	369		mg/kg dry	2.08	260	89.5	107	75-125		
Matrix Spike Dup (9011158-MSD1)	**Source: SA90013-01**									
Prepared: 20-Jan-09 Analyzed: 21-Jan-09										
Selenium	263		mg/kg dry	3.20	267	BRL	99	75-125	2	20
Lead	410		mg/kg dry	3.20	267	154	96	75-125	1	20
Chromium	278		mg/kg dry	2.14	267	9.66	101	75-125	1	20
Cadmium	266		mg/kg dry	1.07	267	1.04	99	75-125	1	20
Arsenic	268		mg/kg dry	3.20	267	6.34	98	75-125	0.7	20
Silver	265		mg/kg dry	3.20	267	BRL	99	75-125	2	20
Barium	364		mg/kg dry	2.14	267	89.5	103	75-125	1	20
Post Spike (9011158-PS1)	**Source: SA90013-01**									
Prepared: 20-Jan-09 Analyzed: 21-Jan-09										
Selenium	238		mg/kg dry	2.89	240	BRL	99	80-120		
Lead	381		mg/kg dry	2.89	240	154	94	80-120		
Chromium	247		mg/kg dry	1.92	240	9.66	99	80-120		
Arsenic	242		mg/kg dry	2.89	240	6.34	98	80-120		
Silver	238		mg/kg dry	2.89	240	BRL	99	80-120		
Cadmium	239		mg/kg dry	0.962	240	1.04	99	80-120		
Barium	315		mg/kg dry	1.92	240	89.5	94	80-120		
Reference (9011158-SRM1)										
Prepared: 20-Jan-09 Analyzed: 21-Jan-09										
Selenium	143		mg/kg wet	1.50	144		99	76.6-123.1		
Lead	40.4		mg/kg wet	1.50	43.2		93	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 9011158 - SW846 3050B										
Reference (9011158-SRM1)										
Prepared: 20-Jan-09 Analyzed: 21-Jan-09										
Cadmium	30.5		mg/kg wet	0.500	30.5		100	80.9-119.3		
Arsenic	51.4		mg/kg wet	1.50	52.3		98	77.6-123.1		
Chromium	124		mg/kg wet	1.00	119		104	79.7-120.3		
Silver	14.9		mg/kg wet	1.50	15.1		99	66.4-133.6		
Barium	103		mg/kg wet	1.00	99.5		103	79.8-119.7		
Reference (9011158-SRM2)										
Prepared: 20-Jan-09 Analyzed: 21-Jan-09										
Selenium	140		mg/kg wet	1.50	144		97	76.6-123.1		
Lead	40.0		mg/kg wet	1.50	43.4		92	78.8-120.9		
Silver	14.1		mg/kg wet	1.50	15.2		93	66.4-133.6		
Cadmium	29.2		mg/kg wet	0.500	30.7		95	80.9-119.3		
Arsenic	49.5		mg/kg wet	1.50	52.5		94	77.6-123.1		
Chromium	119		mg/kg wet	1.00	119		100	79.7-120.3		
Barium	94.2		mg/kg wet	1.00	100		94	79.8-119.7		
Batch 9011159 - EPA200/SW7000 Series										
Blank (9011159-BLK1)										
Prepared: 20-Jan-09 Analyzed: 21-Jan-09										
Mercury	BRL		mg/kg wet	0.0288						
Duplicate (9011159-DUP1) **Source: SA90008-02**										
Prepared: 20-Jan-09 Analyzed: 21-Jan-09										
Mercury	0.0201	J,QR6	mg/kg dry	0.0284		0.0060			108	20
Matrix Spike (9011159-MS1) **Source: SA90013-01**										
Prepared: 20-Jan-09 Analyzed: 21-Jan-09										
Mercury	1.93	QM9	mg/kg dry	0.0617	0.857	2.63	-82	75-125		
Matrix Spike Dup (9011159-MSD1) **Source: SA90013-01**										
Prepared: 20-Jan-09 Analyzed: 21-Jan-09										
Mercury	1.90	QM9	mg/kg dry	0.0612	0.850	2.63	-86	75-125	2	20
Reference (9011159-SRM1)										
Prepared: 20-Jan-09 Analyzed: 21-Jan-09										
Mercury	2.23		mg/kg wet	0.0300	2.14		104	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 9020245 - SW846 3010A										
Blank (9020245-BLK1)										
Prepared & Analyzed: 05-Feb-09										
Lead	BRL		mg/l	0.0150						
LCS (9020245-BS1)										
Prepared & Analyzed: 05-Feb-09										
Lead	2.38		mg/l	0.0150	2.50		95	85-115		
LCS Dup (9020245-BSD1)										
Prepared & Analyzed: 05-Feb-09										
Lead	2.33		mg/l	0.0150	2.50		93	85-115	2	20
Duplicate (9020245-DUP1)	**Source: SA90516-02**									
Prepared & Analyzed: 05-Feb-09										
Lead	0.662		mg/l	0.0150		0.666			0.6	20
Matrix Spike (9020245-MS1)	**Source: SA90516-01**									
Prepared & Analyzed: 05-Feb-09										
Lead	5.65		mg/l	0.0150	2.50	3.31	94	75-125		
Matrix Spike Dup (9020245-MSD1)	**Source: SA90516-01**									
Prepared & Analyzed: 05-Feb-09										
Lead	5.67		mg/l	0.0150	2.50	3.31	95	75-125	0.4	20
Post Spike (9020245-PS1)	**Source: SA90516-01**									
Prepared & Analyzed: 05-Feb-09										
Lead	5.65		mg/l	0.0150	2.50	3.31	94	75-125		

General Chemistry Parameters - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9011191 - General Preparation										
Duplicate (9011191-DUP1)	**Source: SA90009-07**									
Prepared & Analyzed: 20-Jan-09										
% Solids	89.9		%			89.1			0.9	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.
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.
QR5	RPD out of acceptance range.
QR6	The RPD exceeded the QC control limits; however precision is demonstrated with acceptable RPD values for MS/MSD.
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

DA90013 OK

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 Floor
Hartford, CT 06103

Project Mgr.: David Brassard

Invoice To: DAS # 44236

P.O. No.: _____ RQN: _____

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

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

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			QA Reporting Notes: (check if needed)
DA90013-01	RSB-C22	1/16/09	1000	G	SO	7	3	2				X	X	X	X	X	X			
" 06	RSB-C23	"	900	G	SO	7	3	2				X	X	X	X	X	X			

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

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

Condition upon receipt: [ ] Iced [ ] Ambient [✓] C 3.8 Rge

Relinquished by:	Received by:	Date:	Time:
Patrick dePaula	Bill Hastings	1/19/09	1112
Bill Hastings	[signature]	1/19/09	13:50

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

SA90013 OK

SPECTRUM ANALYTICAL, INC.
Featuring
HANNIBAL 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 Floor
Hartford, CT 06103

Project Mgr.: David Brassard

Invoice To: DAS # 44236

P.O. No.: _____ RQN: _____

Project No.: 127-17797-08001
Site Name: Hartford Busway
Location: Hart. Newington State: CT
Sampler(s): Patrick deLaula

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

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analyses: VOC 8260	SVOC 8270	CT ETPH	RCB 8080	Herbicides 8151	Total RCRA 8 Metals	TCLP Pb	QA Reporting Notes: (check if needed)
SA90013-01	RSB-C22	1/16/09	1000	G	SO	7	3	2			X	X	X	X	X	X	X	
02	RSB-C23	"	900	G	SO	7	3	2			X	X	X	X	X	X		

☐ 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

ADDED 2/3/09
ANALYSIS
See attached

☐ Fax results when available to (____) _____
[x] E-mail to patrick.delaula
EDD Format _____

Condition upon receipt: ☐ Iced ☐ Ambient ☐ °C 3.8 Rec

Relinquished by:	Received by:	Date:	Time:
Patrick deLaula	Bob Hastings	1/19/09	11:12
Bob Hastings		1/19/09	13:50

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