Task 210
Subsurface Site Investigation
Bridge 05225 Over
Metro-North Railroad
Simpaug Turnpike, Redding, CT
ConnDOT Project No. 116-130

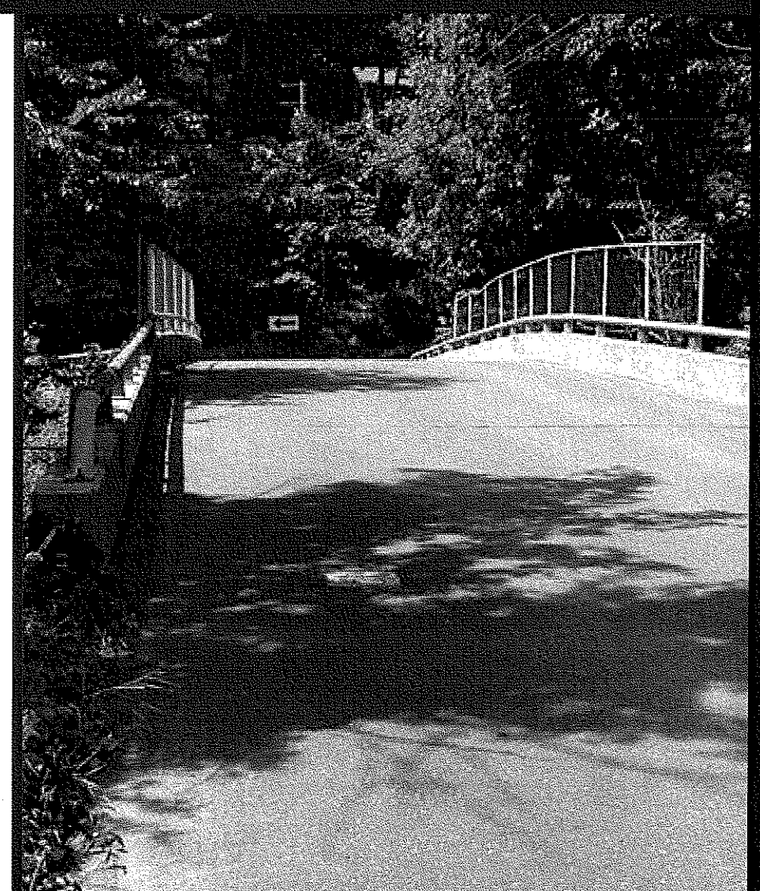
Prepared for

State of Connecticut
Department of Transportation
Division of
Environmental Compliance
Bureau of Engineering and
Highway Operations
Newington, Connecticut

Prepared by

Windsor, Connecticut

October 2008



TASK 210
SUBSURFACE SITE INVESTIGATION
BRIDGE 05225 OVER METRO-NORTH RAILROAD
SIMPAUG TURNPIKE
REDDING, CONNECTICUT

Prepared for
State of Connecticut Department of Transportation
Newington, Connecticut

Prepared by
TRC
Windsor, Connecticut

TRC Project No. 107307-003661-000210
ConnDOT Project No. 116-130

October 2008

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TABLE OF CONTENTS

SECTION		PAGE
1.0	INTRODUCTION	1
1.1	Overview	1
1.2	Objectives	1
1.3	Background	1
1.4	Geologic / Physical Setting	1
2.0	TECHNICAL APPROACH	3
2.1	Soil Sampling Program	3
2.2	Grab Ground Water Sampling Program	4
2.3	Quality Assurance Samples	5
3.0	INVESTIGATION RESULTS	6
3.1	Soil Sample Results Summary	6
3.2	Ground Water Sample Results Summary	8
3.3	Quality Assurance / Quality Control Sample Analytical Results	8
4.0	CONCLUSIONS AND RECOMMENDATIONS	10
4.1	Soil	10
4.2	Ground Water	11

FIGURES

1 Site Location Map
2 Environmental Sample Locations

TABLES

1 Soil Sample Analytical Results
2 Ground Water Sample Analytical Results

APPENDICES

A Soil Boring Logs
B Laboratory Analytical Reports

1.0 INTRODUCTION

1.1 Overview

Pursuant to TRC's Connecticut Department of Transportation (ConnDOT) Contract for On-Call Environmental Services, TRC performed a Task 210 Subsurface Site Investigation in the immediate vicinity of Bridge 05225 over the Metro-North Railroad, Simpaug Turnpike in Redding, Connecticut. This investigation was conducted as part of the preliminary activities associated with the replacement of Bridge 05225.

1.2 Objectives

The primary objective of the subsurface investigation was to determine if there are any impacts to the shallow soils (up to 12 feet below the ground surface, which corresponds to the approximate depth to which new structural supports will be installed). Ground water in the area that will be disturbed as part of the bridge replacement activities was also investigated. To fulfill this objective, the analytical results will be compared to the numerical criteria within Connecticut's Remediation Standard Regulations (RSRs). This evaluation of the potential presence of contaminants will aid in managing the materials encountered during the construction activities.

1.3 Background

Bridge 05225 is located on Simpaug Turnpike, just to the west/northwest of the intersection of Simpaug Turnpike and Marchant Road in Redding, Connecticut (see Figure 1-1). A bridge rehabilitation study was conducted by Close, Jensen and Miller in 2003 and the findings indicated that a full structure replacement would be necessary. The activities associated with the proposed bridge reconstruction project have precipitated the need to characterize the soils and shallow ground water in the areas that will be disturbed.

1.4 Geologic / Physical Setting

The site is located within the Western Uplands region of Connecticut. As indicated on the Surficial Materials Map of Connecticut (Stone et al, 1992), the site is located in an area underlain by sand and gravel. Additional information provided on the mapping indicates that mixtures of sand and gravel are present in individual layers and as alternating layers that are well

to poorly-sorted. Soil borings that were drilled in the immediate vicinity of the bridge as part of the preliminary engineering efforts yielded information on the characteristics of the soils that is consistent with the information presented on the geologic mapping.

According to the information presented on the Bedrock Geological Map of Connecticut (Rogers, 1985), the site is located at the contact point of Highland gneiss (a granitic gneiss or schist) to the west of the bridge and Stockbridge Marble (a white/gray dolomitic marble) to the east of the bridge.

As the railroad over which the bridge was constructed is located within the valley through which the Umpawaug Brook runs, topography in the area of the western portion of the bridge slopes to the east and topography in the area of the eastern portion of the bridge slopes to the west. Based on the local topography and the assumption that the local ground water flow regime mimics the topography, ground water in the vicinity of the bridge is anticipated to flow toward the Umpawaug Brook. The ground water beneath the site has been classified by the Connecticut Department of Environmental Protection (CTDEP) as "GAA", meaning that it is designated for existing private or potential public or private water supplies without treatment. The Umpawaug Brook is classified by the CTDEP as a Class AA watercourse.

2.0 TECHNICAL APPROACH

This section of the report summarizes the soil and ground water sampling techniques employed during the Task 210 field investigation. Observations made in the field are also summarized in this section. The Task 210 work performed at this site was completed in accordance with the *Work Plan for Task 210 Subsurface Site Investigation: Bridge 05225 Over Metro-North Railroad, Simpaug Turnpike, Redding, Connecticut* , dated August 2008.

Figure 2 depicts a site plan and the locations of the soil borings and the monitoring well from which a ground water sample was collected as part of this investigation. Soil samples were collected from each of the six soil borings. All soil samples were submitted to the laboratory for the following analyses: volatile organic compound (VOC) analysis by EPA Method 8260 (with Method 5035 field preservation), semi-volatile organic compound (SVOC) analysis by EPA Method 8270, extractable total petroleum hydrocarbon (ETPH) analysis by Connecticut Method 01, polychlorinated biphenyls (PCBs) by EPA Method 8082 and total and SPLP CT RSR 15 metals by EPA Methods 6010/7471 (with SPLP extraction by EPA Method 1312). The ground water sample collected from the monitoring well installed as part of a previous deployment to the site by the design firm was also analyzed for VOCs, SVOCs, ETPH, PCBs and CT RSR 15 metals. All samples were analyzed by Spectrum Analytical, Inc. of Agawam, Massachusetts.

2.1 Soil Sampling Program

Methodology

Six soil borings were advanced at the site on September 16, 2008 by Logical Environmental Solutions (LES) of Tolland, Connecticut, under direct supervision of TRC personnel. These borings were advanced using two different methods, depending upon access to individual sampling locations. The soils borings advanced through the roadway approaches to the bridge were drilled utilizing a truck-mounted GeoProbe™. The borings located to the side of or underneath the bridge were advanced by hand, using a Macro-Core® and a slam hammer. Soil cores were collected continuously from the ground surface to a depth of four feet below grade at the locations to the side of or underneath the bridge and to depths of up to twelve feet below grade in the borings on the approaches to the bridge. Each four-foot soil core (collected in an acetate Macro-Core® liner) was logged with respect to soil characteristics (i.e., grain size, moisture content and any other physical characteristics) and indications of potential impacts

(e.g., stains and odors). In addition, each core was field-screened using a photoionization detector (PID) prior to the collection of soil samples for analysis. The sample interval was selected on the basis of visual impacts, olfactory impacts and screening results. In the absence of obvious evidence of impacts, the soil sample interval was chosen at the discretion of the TRC field personnel. Soil boring logs are presented in Appendix A.

Soil samples submitted to the laboratory for VOC analysis were collected in accordance with EPA Method 5035. This method outlines the collection of soil samples, without homogenization and with minimal disturbance, into extraction solvents. Soil sample aliquots collected for all but VOC analysis were transferred from the Macro-Core® sample sleeve to a dedicated, decontaminated stainless-steel bowl. The soil was then homogenized by mixing with dedicated, laboratory-decontaminated stainless-steel spoons prior to collection in the appropriate laboratory-supplied sample containers and placement of the samples on ice, in a cooler, for delivery to the laboratory. The remaining soils and drill cuttings were returned to their respective boreholes.

Field Observations

Based on the descriptions of the soil cores, it has been determined that the site is underlain primarily by fine-to medium-grained sand with varying amounts of silt, coarse-grained sand and gravel. Ground water was not encountered in any of the borings advanced as part of this investigation. Drilling refusal was encountered at a depth of 5.5 feet below grade at boring location SB-B (pulverized rock was observed in the drive tip of the Macro-Core®). The soils collected from approximately 5.5 to 6 feet in boring SB-E exhibited black staining, a slight odor and an elevated PID reading of 0.9 parts per million (ppm). None of the remaining soils exhibited stains, odors, or elevated PID readings.

2.2 Grab Ground Water Sampling Program

Methodology

As stated in the work plan for this Task 210 investigation, the scope of the grab ground water sampling program was dependent upon the viability of the monitoring well that was observed along the eastern approach to the bridge. After TRC field personnel inspected the well, a grab ground water sample was collected. (Note that as this well was not installed under TRC's

direction, the well construction details are not known.) Water was evacuated from the monitoring well at a low flow rate using a Geopump® peristaltic pump with clean, disposable tygon and silicon tubing. Prior to sampling, the well was purged until ground water was observed to be clear. The ground water sample aliquots were then collected into laboratory-supplied containers and placed on ice, in a cooler, for delivery to the laboratory.

Field Observations

The depth to water in the monitoring well identified within the eastern approach to the bridge was measured to be 23.6 feet below grade. The depth to the bottom of the well was measured to be 36 feet below grade. The water evacuated from the well point prior to and during sampling was observed to be clear.

2.3 Quality Assurance Samples

Quality assurance/quality control (QA/QC) samples were collected as part of the Task 210 subsurface investigation.

In order to determine the effectiveness of the decontamination of the sampling equipment, a field blank (rinsate) sample was collected and analyzed for the same analyses as the other samples submitted on the day of the sampling. The field rinsate blank was collected by pouring laboratory-supplied water over or through the sampling equipment used in the collection of the samples. The rinsate water was then collected into the appropriate laboratory-supplied sample containers. The field blank sample was designated as "FB091608".

A trip blank was also submitted to the laboratory as part of the ground water sampling regimen for this project. An aqueous trip blank was prepared by the laboratory for the shipment of ground water samples submitted to the lab for VOC analysis. The trip blank was shipped with the sample containers from the lab and remained on ice in the cooler during the collection of the ground water samples. The trip blank sample was designated as "TB091608".

3.0 INVESTIGATION RESULTS

The following sections provide a summary of the analytical results of the soil and ground water sampling conducted at the site. The soil and ground water analytical results are summarized in Tables 1 and 2, respectively. Copies of the laboratory reports are provided in Appendix B. All the samples collected from the Bridge 05225 site were analyzed for VOCs, SVOCs, ETPH, PCBs and CT RSR 15 metals (total and SPLP in soils).

Although the site is not subject to the Transfer Act, the Voluntary Cleanup Program (VCP), nor the requirements of a Consent Order, the soil and ground water results are being compared to the Connecticut RSRs in order to evaluate whether or not any releases have occurred and to assess the magnitude of any releases of contaminants. The "default" criteria to which the reported concentrations for soils are compared are the Direct Exposure Criteria (DEC) and the Pollutant Mobility Criteria (PMC). The DEC are based on direct human exposure to soils and generally applies to polluted soil within fifteen feet of the land surface. The DEC has been classified as Residential (R) or Industrial/Commercial (I/C) standards. RDEC are applicable at all sites without recorded environmental land use restrictions (ELURs). The PMC are based on the potential for human exposure to soil pollution through impact to the ground water and are dependent on the local ground water classification. As the site is located in an area in which ground water is classified as "GAA", the GA PMC is applicable.

The "default" criteria to which the results of the grab ground water sample are compared are the Ground Water Protection Criteria (GWPC) and the Surface Water Protection Criteria (SWPC).

3.1 Soil Sample Results Summary

VOCs

As indicated in Table 1, two VOCs were detected in site soils. Toluene was detected in soil sample SB-A(2-4) at a concentration of 6.1 parts per billion (ppb) and naphthalene was detected in soil sample SB-E(4-6) at a concentration of 9.3 ppb. These reported concentrations of VOCs do not exceed the RSR criteria. VOCs were not detected above method detection limits in the remainder of the soil samples collected as part of this investigation.

SVOCs

SVOCs were detected in soils collected from three of the six soil borings, identified as SB-B, SB-C and SB-E. As indicated in Table 1, specifically, the following SVOCs were detected in one or more of the soil samples collected: acenaphthylene, anthracene, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(g,h,i)perylene, benzo(k)fluoranthene, carbazole, chrysene, dibenzofuran, fluoranthene, fluorene, indeno(1,2,3-cd)pyrene, 1-methynaphthalene, 2-methynaphthalene, naphthalene, phenanthrene and pyrene. SVOC concentrations in soil samples SB-B(2-4), SB-C(2-4) and SB-E(4-6) ranged from 421 ppb (benzo(g,h,i) perylene in the sample collected from SB-B) to 107,000 ppb (pyrene in the soil sample collected from SB-E). None of the SVOC concentrations reported for the SB-B(2-4) soil sample exceed the RSR criteria. A majority of the SVOC concentrations reported by the laboratory for the SB-C(2-4) and SB-E(4-6) samples exceed the DEC and/or the PMC.

ETPH

ETPH was detected in three of the six soil samples collected at the site (the same three in which SVOCs were detected, as indicated above). As shown in Table 1, the ETPH concentrations in ranged from 76.1 ppm in sample SB-B(2-4) to 3,290 ppm in sample SB-E(4-6). ETPH was not detected above method detection limits in the remaining soil samples. The concentration reported for sample SB-E(4-6) exceeds the DEC and PMC.

PCBs

As indicated in Table 1, PCBs were not detected above method detection limits in any of the soil samples.

Metals

Total Metals

Eleven of the fifteen CT RSR metals were detected in one or more of the soil samples collected as part of this investigation. Specifically, arsenic, barium, beryllium, cadmium, chromium, copper, lead, nickel, thallium, vanadium and zinc were detected in site soils. As shown in Table 1, none of the reported concentrations exceed the RSR criteria.

SPLP Metals

As indicated in Table 3-1, four leachable metals were detected in site soils. Specifically, detectable concentrations of one or more of the following metals were detected in one or more of the soil samples: barium, chromium, copper and vanadium. None of the reported concentrations exceed the PMC.

3.2 Ground Water Sample Results Summary

VOCs

As indicated in Table 2, the grab water sample collected from the monitoring well identified at the site (given the designation by TRC personnel as "MW-1") did not exhibit detectable concentrations of any VOCs.

SVOCs

SVOCs were not detected in the grab water sample collected from well MW-1.

ETPH

As indicated in Table 2, ETPH was not detected in the ground water sample collected from well MW-1.

PCBs

PCBs were not detected above method detection limits in the ground water sample.

Metals

Two metals were detected in the ground water sample collected from well MW-1. Specifically, barium and zinc were detected at concentrations of 0.0444 ppm and 0.0116, respectively. These concentrations do not exceed the RSR criteria.

3.3 Quality Assurance / Quality Control Sample Analytical Results

As indicated in Section 2.3, a field rinsate blank and a trip blank were submitted to the laboratory as part of this sampling program for quality assurance / quality control purposes. The field rinsate blank (collected to assess both the soil and ground water sampling equipment)

exhibited detectable concentrations of two VOCs (acetone and methylene chloride) and two metals (barium and zinc). The two VOCs detected are considered common laboratory contaminants and as these constituents were not detected in any of the soil or ground water samples collected as part of this investigation, do not influence the data. The presence of the metals in the field blank suggest that a small portion of the reported concentrations of these metals in the samples may be due to the field sampling equipment.

VOCs were not detected in the trip blank associated with this investigation.

4.0 CONCLUSIONS AND RECOMMENDATIONS

This section briefly summarizes the findings of the Task 210 subsurface site investigation activities conducted at the site in September 2008. Also included are recommendations based on these findings/conclusions.

4.1 Soil

1. The soil borings drilled (or advanced by using hand tools) in the areas of the Bridge 05225 approaches were advanced to a maximum depth of twelve feet below grade. In general, the soils in this area of the site can be characterized as fine- to medium-grained sand with varying amounts of silt, coarse-grained sand and gravel.

2. The results of the analysis of soils collected as part of this investigation indicated the following. Two VOCs (toluene and naphthalene) are present in the soils at boring locations SB-A and SB-E, respectively at low concentrations relative to the RSRs used for comparison purposes to evaluate the presence and magnitude of a release of contaminants. Elevated concentrations (relative to RSR criteria) of SVOCs (primarily polynuclear aromatic hydrocarbons or PAHs) were detected in the soil samples collected from locations SB-C and SB-E. PAHs were also detected in the soil sample collected from boring location SB-B, but not at concentrations that are elevated relative to the RSR criteria. ETPH was detected in each of the soil samples that also exhibited detectable concentrations of SVOCs. Of those, only one soil sample, SB-E(4-6), exhibited an elevated ETPH concentration relative to the RSR criteria. This result is consistent with the observations of slight odors, staining and elevated PID readings associated with this sample. There were no PCBs detected above method detection limits in the soils collected from this area. Several metals (both total and leachable) were detected in the soils, however, none were detected at elevated concentrations relative to the RSR criteria.

   The presence of SVOCs and ETPH in the soils in the bridge approach areas is indicative of impacts related to petroleum products. There are two potential mechanisms for impact in this area. It is possible that there have been small-scale releases of petroleum products from vehicles over the course of the history of the area (this is most likely to be a potential for impacts observed at the shallow depth beneath the roadway at boring location SB-B) or it may be that the materials used to backfill the abutment area (SB-C) or to create the eastern roadway approach (SB-E) were impacted.

   Recommendation: As the construction for this area involves the removal and replacement of the structural supports for the bridge (which will involve excavation of soils), it is recommended that this area be designated as an Area of Environmental Concern (AOEC). Therefore, the soils should properly managed/handled while on-site and ultimately disposed of off-site at an approved disposal facility. A Task 310 –

Plans, Specification and Estimates, is recommended to address the impacts identified as a result of this investigation.

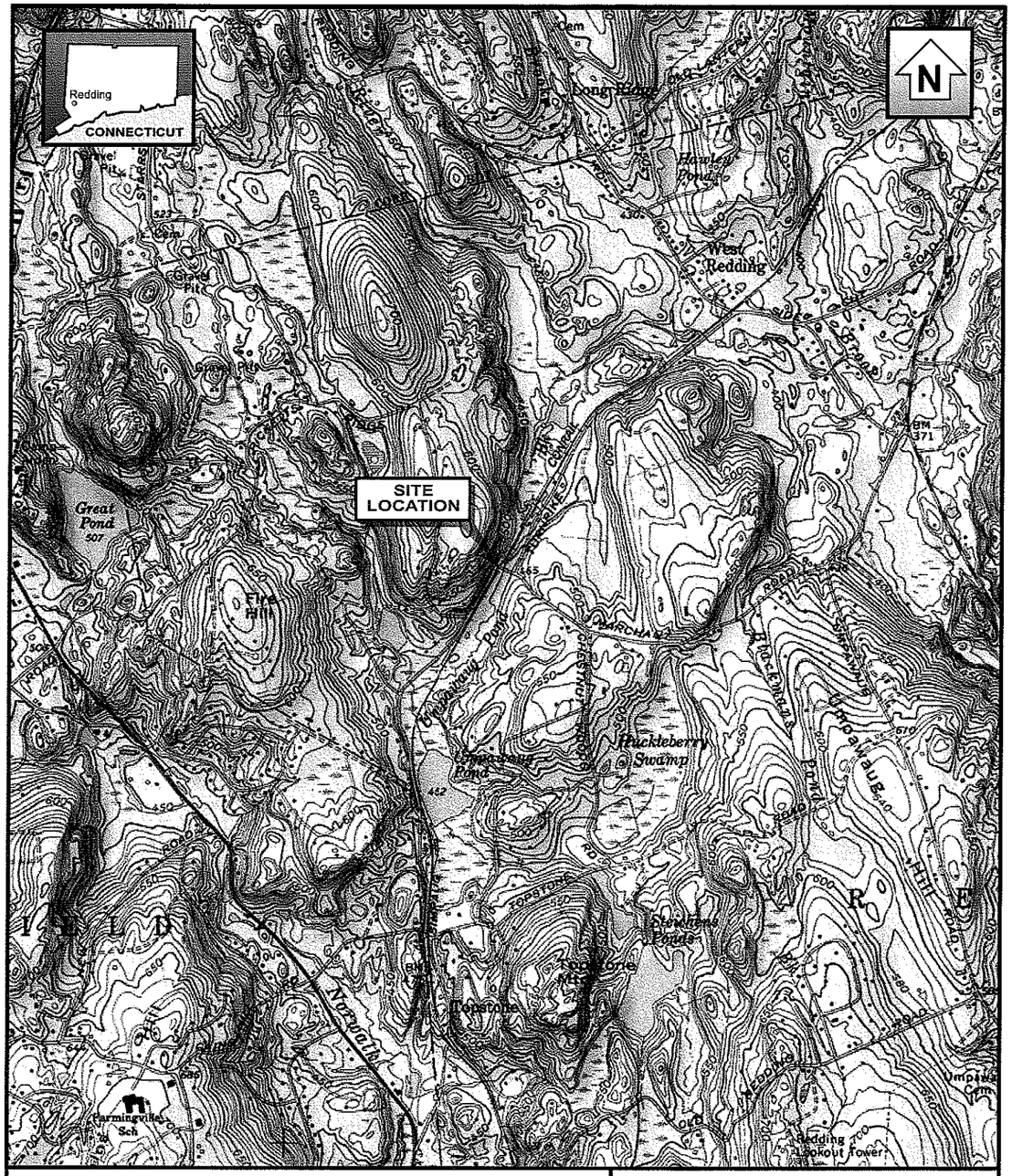
4.2 Ground Water

1. Ground water was measured in the well which was identified within the eastern roadway approach at a depth of 23.6 feet below grade. Ground water was not observed in any of the soil borings advanced as part of this investigation.

2. One ground water sample was collected from the well (designated "MW-1" by TRC field personnel) as part of the Task 210 investigation. The results of the analysis of this sample did not indicate the presence of VOCs, SVOCs, ETPH or PCBs in the ground water. Two metals, barium and zinc, were detected at low concentrations relative to RSR criteria.

   Recommendation: Given the depth to water in the area (in excess of twenty feet below grade), it appears unlikely that ground water will be encountered as part of the bridge replacement project. Should changes to the plan result in conducting work at a depth at which ground water may be encountered, the results of the analysis of the ground water sample collected as part of this investigation do not indicate that ground water treatment / disposal would be necessary.

FIGURES



0 2000
SCALE FEET

0 1
SCALE MILE

1:24000

BASE CREATED WITH TOPO™ © 1996 WILDFLOWERS PRODUCTIONS, www.topo.com - 7.5' USGS TOPOGRAPHIC MAPS

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CONNDOT BRIDGE 05225
REDDING, CONNECTICUT

FIGURE 1
SITE LOCATION MAP

Date: 08/08 | **Project No.** 107307.003661.000210

pers/jw/haz/107307 CT/3661 redding Bridge 05225.fh10

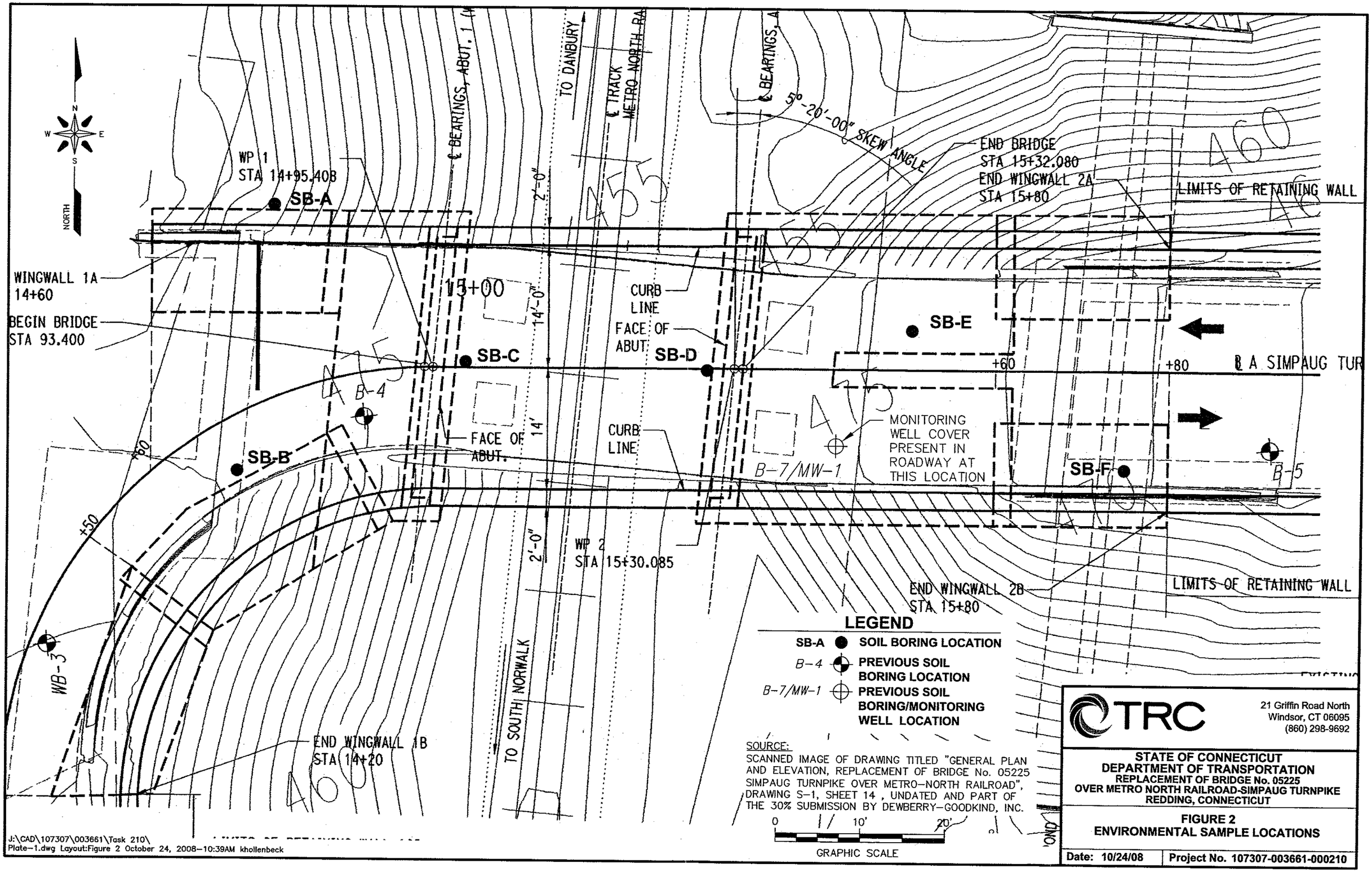

NORTH
WP 1
STA 14+95.408
SB-A
WINGWALL 1A
14+60
BEGIN BRIDGE
STA 93.400
15+00
SB-C
SB-D
SB-E
SB-B
SB-F
B-4
B-7/MW-1
B-5
WB-3
FACE OF ABUT.
CURB LINE
FACE OF ABUT
MONITORING WELL COVER PRESENT IN ROADWAY AT THIS LOCATION
WP 2
STA 15+30.085
END WINGWALL 1B
STA 14+20
END WINGWALL 2B
STA 15+80
END BRIDGE
STA 15+32.080
END WINGWALL 2A
STA 15+80
LIMITS OF RETAINING WALL
LIMITS OF RETAINING WALL
5°-20'-00" SKEW ANGLE
TO DANBURY
TO SOUTH NORWALK
℄ TRACK METRO NORTH RA
℄ BEARINGS, ABUT. 1
℄ BEARINGS, A
℄ A SIMPAUG TUR
+50
+60
+80
2'-0"
14'-0"
14'
LEGEND
SB-A SOIL BORING LOCATION
B-4 PREVIOUS SOIL BORING LOCATION
B-7/MW-1 PREVIOUS SOIL BORING/MONITORING WELL LOCATION
SOURCE:
SCANNED IMAGE OF DRAWING TITLED "GENERAL PLAN AND ELEVATION, REPLACEMENT OF BRIDGE No. 05225 SIMPAUG TURNPIKE OVER METRO-NORTH RAILROAD", DRAWING S-1, SHEET 14 , UNDATED AND PART OF THE 30% SUBMISSION BY DEWBERRY-GOODKIND, INC.
0 10' 20'
GRAPHIC SCALE
TRC
21 Griffin Road North
Windsor, CT 06095
(860) 298-9692
STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION
REPLACEMENT OF BRIDGE No. 05225
OVER METRO NORTH RAILROAD-SIMPAUG TURNPIKE
REDDING, CONNECTICUT
FIGURE 2
ENVIRONMENTAL SAMPLE LOCATIONS
Date: 10/24/08
Project No. 107307-003661-000210
J:\CAD\107307\003661\Task 210\
Plate-1.dwg Layout:Figure 2 October 24, 2008-10:39AM khollenbeck

Table 1
Soil Sample Analytical Results
Task 210 Subsurface Investigation
Bridge 05225 - Simpaug Turnpike Over Metro-North Railroad
Redding, Connecticut

Boring No. Sample Interval (ftbg) Sample Date: Notes:	**SBA-(2-4)** 2-4 9/16/2008	**SBB-(2-4)** 2-4 9/16/2008	**SBC-(2-4)** 2-4 9/16/2008	**SBD-(2-4)** 2-4 9/16/2008	**SBE-(4-6)** 4-6 9/16/2008	**SBF-(6-8)** 6-8 9/16/2008	**CT RSRs**		
							RES DEC	I/C DEC	GA PMC
Volatile Organic Compounds - ug/kg									
Method 8260		ND	ND	ND		ND			
Naphthalene					9.3		1,000,000	2,500,000	5,600
Toluene	6.1						500,000	1,000,000	20,000
Semi-Volatile Organic Compounds - ug/kg									
Method 8270	ND			ND		ND			
Acenaphthylene					14,100		1,000,000	2,500,000	8,400
Anthracene					18,200		1,000,000	2,500,000	40,000
Benzo(a)anthracene		790	**2,770**		**37,300**		1,000	7,800	1,000
Benzo(a)pyrene		815	**2,810**		**34,700**		1,000	1,000	1,000
Benzo(b)fluoranthene		692	**3,160**		**27,900**		1,000	7,800	1,000
Benzo(g,h,i)perylene		421	1,450		16,400		1,000,000	2,500,000	4,200
Benzo(k)fluoranthene		873	3,270		**34,700**		8,400	78,000	1,000
Carbazole					10,100		31,000	290,000	1,000
Chrysene		980	3,590		39,500		84,000	780,000	1,000
Dibenzofuran					8,540		27,000	2,500,000	1,000
Fluoranthene		1,790	5,710		77,300		1,000,000	2,500,000	5,600
Fluorene					20,000		1,000,000	2,500,000	5,600
Indeno(1,2,3-cd)pyrene		447	**1,600**		**16,800**		1,000	7,800	1,000
1-Methylnaphthalene					14,400		NE	NE	NE
2-Methylnaphthalene					14,200		474,000	2,500,000	980
Naphthalene					20,900		1,000,000	2,500,000	5,600
Phenanthrene		767	2,260		85,500		1,000,000	2,500,000	4,000
Pyrene		2,020	8,230		107,000		1,000,000	2,500,000	4,000
Extractable Total Petroleum Hydrocarbons - mg/kg									
CTDEP-Approved Method	ND	76.1	290	ND	**3,290**	ND	500	2,500	500
Polychlorinated Biphenyls - ug/kg									
Method 8082	ND	ND	ND	ND	ND	ND	1	10	0.0005
Total CT RSR Metals - mg/kg									
Methods 6010/7471									
Arsenic	1.64	4.29	7.96		1.45		10	10	--
Barium	104	83.4	104	73.2	76.2	94.3	4,700	140,000	--
Beryllium	0.68		0.567			0.603	2	2	--
Cadmium	0.738	0.729	1.22	0.728	0.662	0.816	34	1,000	--
Chromium	31.4	25.4	41.3	23.1	23.3	29.2	NE	NE	--
Copper	13.1	22.4	29.3	20.3	35.3	26.2	2,500	76,000	--
Lead	9.78	16.8	370	10.4	15.7	6.33	400	1,000	--
Nickel	14.2	15.1	20.6	16	13.2	15.6	1,400	7,500	--
Thallium						3.6	5	160	--
Vandadium	37.2	32.6	40.7	32.6	32.9	47.7	470	14,000	--
Zinc	52	47.1	82.7	40.1	47.7	49.2	20,000	610,000	--
SPLP CT RSR Metals - mg/L									
Methods 6010/7471	ND			ND					
Barium		0.0202	0.0161		0.0084	0.0062	--	--	1
Chromium			0.0126				--	--	0.05
Copper			0.0052				--	--	1.3
Vanadium		0.0094					--	--	0.05

NOTES:
ftbg - feet below grade
ND - Not Detected
BOLD value indicates an exceedance of the Residential Direct Exposure Criteria (RDEC)
Underlined value indicates an exceednace of the Industrial/Commercial Direct Exposure Criteria (I/C DEC)
Shaded value indicates an exceedance of the GA Pollutant Mobility Criteria (GA PMC)

Table 2
Ground Water Sample Analytical Results
Task 210 Subsurface Investigation
Bridge 05225 - Simpaug Turnpike Over Metro-North Railroad
Redding, Connecticut

Sample ID: Sample Date: Notes:	MW-1 9/16/2008	FB091608 9/16/2008 Field Blank	TB091608 9/16/2008 Trip Blank	CT RSRs	
				GWPC	SWPC
Volatile Organic Compounds - ug/l					
Method 8260	ND		ND		
Acetone		36.6		700	NE
Methylene Chloride		**24.4**		5	48,000
Semi-Volatile Organic Compounds - ug/l					
Method 8270	ND	ND	NA		
Extractable Total Petroleum Hydrocarbons - mg/l					
CTDEP-Approved Method	ND	ND	NA	0.1	NE
Polychlorinated Biphenyls - ug/l					
Method 8082	ND	ND	NA	0.5	0.5
Total CT RSR Metals - mg/l					
Methods 6010/7471			NA		
Barium	0.0444	0.006		1	NE
Zinc	0.0116	0.0115		5	0.123

NOTES:
ND - Not Detected
NA - Not Analyzed
NE - Not Established
BOLD value indicates an exceedance of the GA Ground Water Protection Criteria (GWPC)
Shaded value indicates an exceedance of the Surface Water Protection Criteria (SWPC)

APPENDIX A

SOIL BORING LOGS

Project Name: Redding Bridge No. 5225	Drilling Company: LES	Boring:	SB-A
Project Number: 107307.003661.000211	Drillers: Cindy & Wayne	Date Started:	9/16/08
Project Location: Redding, CT	TRC Inspector: Chris Lindahl	Date Completed:	9/16/08

Depth (feet)	PID (ppm)	Recovery (feet)	Soil Description	Lithology
0-4	ND	0-0.5	Black topsoil	
	ND	0.5-2	Red-brown F-SAND and silt, trace c-sand, dry, no odor, no stains	
	ND	2-4	No Recovery	

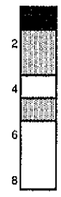
Legend

- Topsoil
- Sand
- No Recovery

Collected SB-C (2-4) for VOCs, SVOCs, ETPH, PCBs, CT RSR 15 Metals and SPLP Metals

Project Name: Redding Bridge No. 5225	Drilling Company: LES	Boring: SB-B
Project Number: 107307.003661.000211	Drillers: Cindy & Wayne	Date Started: 9/16/08
Project Location: Redding, CT	TRC Inspector: Chris Lindahl	Date Completed: 9/16/08

Depth (feet)	PID (ppm)	Recovery (feet)	Soil Description	Lithology
0-4	ND	0-0..8	Asphalt sub-base	
	ND	0.8-1.9	Light brown F-M SAND, little c-sand, trace f-gravel, dry, no odor, no stains	
	ND	1.9-3.2	Dark brown SILT, little vf-sand, damp, no odor, no stains	
	ND	3.2-4	No Recovery	
4-8	ND	4-5	Light brown F-SAND, little silt, trace c-sand, trace f-gravel	
		5-5.5	Red-brown pulverized rock. Refusal at 5.5 fbg.	
		5.5-8	No Recovery	



Legend

- Asphalt
- Sand
- No Recovery

Collected SB-B (2-4) for VOCs, SVOCs, ETPH, PCBs, CT RSR 15 Metals and SPLP Metals

Project Name: Redding Bridge No. 5225	Drilling Company: LES	Boring:	SB-C
Project Number: 107307.003661.000211	Drillers: Cindy & Wayne	Date Started:	9/16/08
Project Location: Redding, CT	TRC Inspector: Chris Lindahl	Date Completed:	9/16/08

Depth (feet)	PID (ppm)	Recovery (feet)	Soil Description	Lithology
0-4	ND	0-1.9	Red-brown F-M SAND, trace c-sand, dry, no odor, no stains	2
	ND	1.9-2.9	Dark brown to black F-SAND, some f-gravel, trace c-sand, gray rock at 2.9 fbg, dry no odor, no stains	4
	ND	2.9-4	No Recovery	

Legend

- Asphalt
- Sand
- No Recovery

Collect SB-C (2-4) for VOCs, SVOCs, ETPH, PCBs, CT RSR 15 Metals and SPLP Metals

Project Name: Redding Bridge No. 5225	Drilling Company: LES	Boring:	SB-D
Project Number: 107307.003661.000211	Drillers: Cindy & Wayne	Date Started:	9/16/08
Project Location: Redding, CT	TRC Inspector: Chris Lindahl	Date Completed:	9/16/08

Depth (feet)	PID (ppm)	Recovery (feet)	Soil Description	Lithology
0-4	ND	0-1.6	Light red-brown F-SAND, some silt, little f-gravel, little c-sand, dry, no odor, no stains	2 4
	ND	1.6-2.2	Light red-brown F-SAND, some silt, little c-sand, dry, no odor, no stains	
	ND	2.2-3.8	Encounter large rock/refusal at 3.8 fbg, No Recovery	
	ND	3.8-4	No Recovery	

Legend

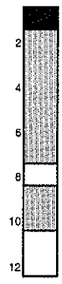
- Asphalt
- Sand
- No Recovery

Collected SB-D (2-4) for VOCs, SVOCs, ETPH, PCBs, CT RSR 15 Metals and SPLP Metals

Project Name: Redding Bridge No. 5225	Drilling Company: LES	Boring:	SB-E
Project Number: 107307.003661.000211	Drillers: Cindy & Wayne	Date Started:	9/16/08
Project Location: Redding, CT	TRC Inspector: Chris Lindahl	Date Completed:	9/16/08

Depth (feet)	PID (ppm)	Recovery (feet)	Soil Description
0-4	ND	0-1.4	Asphalt sub-base
	ND	1.4-4	Dark brown VF-SAND, little m-sand, trace c-sand, trace f-gravel, dry, no odor, no stains
4-8	0.9	4-4.4	Gray-brown F-SAND, little m-sand, trace c-sand, dry, no odor, no stains
	0.9	4.4-5	Dark brown F-M SAND, trace c-sand, dry, slight odor, black staining
	0.9	5-7	Light red-brown F-SAND, some silt, trace c-sand, dry, no odor, no stains
	ND	7-8	No Recovery
8-12	ND	8-8.5	Light brown F-SAND, some silt, trace c-sand, dry, no odor, no stains
		8.5-10.5	Red-brown F-SAND and SILT, trace c-sand, trace f-gravel, dry, no odor, no stains
		10.5-12	No Recovery

Lithology



Legend

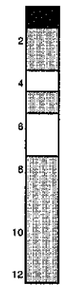
- Asphalt
- Sand
- No Recovery

Collected SB-E (4-6) for VOCs, SVOCs, ETPH, PCBs, CT RSR 15 Metals and SPLP Metals

Project Name: Redding Bridge No. 5225	Drilling Company: LES	Boring:	SB-F
Project Number: 107307.003661.000211	Drillers: Cindy & Wayne	Date Started:	9/16/08
Project Location: Redding, CT	TRC Inspector: Chris Lindahl	Date Completed:	9/16/08

Depth (feet)	PID (ppm)	Recovery (feet)	Soil Description
0-4	ND	0-1	Asphalt sub-base
	ND	1-1.9	Light brown F-M SAND, little c-sand, trace silt, trace f-gravel, dry, no odor, no stains
	ND	1.9-2.3	White pulverized rock
	ND	2.3-3.5	Light red-brown F-SAND, little silt, trace m-c sand, dry, no odor, no stains
	ND	3.5-4	No Recovery
4-8	ND	4-6.3	Red-brown, F-M SAND, little silt, trace c-sand, trace f-gravel, dry, no odor, no stains
	ND	6.3-8	No Recovery
8-12	ND	8-8.7	Red-brown F-M SAND, little silt, trace c-sand, trace f-gravel, dry, no odor, no stains
		8.7-10.5	Dark brown F-SAND, some silt, little m-sand, trace c-sand, trace f-gravel, dry, no odor, no stains
		10.5-12	No Recovery

Lithology



Legend

- Asphalt
- Sand
- No Recovery

Collected SB-F (6-8) for VOCs, SVOCs, ETPH, PCBs, CT RSR 15 Metals and SPLP Metals

TABLES

APPENDIX B

LABORATORY ANALYTICAL REPORTS

Report Date:
14-Oct-08 09:36

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

TRC
21 Griffin Road North
Windsor, CT 06095
Attn: Marya Mahoney

Project: Simpaug Turnpike Over Metro North RR-CT
Project 107307-3661-0110

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SA84680-01	FB091608	Water	16-Sep-08 08:00	17-Sep-08 11:30
SA84680-02	TB091608	Water	16-Sep-08 10:30	17-Sep-08 11:30
SA84680-03	SBE-(4-6)	Soil	16-Sep-08 08:45	17-Sep-08 11:30
SA84680-04	SBF-(6-8)	Soil	16-Sep-08 09:15	17-Sep-08 11:30
SA84680-05	SBB-(2-4)	Soil	16-Sep-08 10:55	17-Sep-08 11:30
SA84680-06	SBD-(2-4)	Soil	16-Sep-08 11:15	17-Sep-08 11:30
SA84680-07	SBC-(2-4)	Soil	16-Sep-08 11:30	17-Sep-08 11:30
SA84680-08	SBA-(2-4)	Soil	16-Sep-08 11:45	17-Sep-08 11:30
SA84680-09	MW-1	Ground Water	16-Sep-08 09:45	17-Sep-08 11:30

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

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

CASE NARRATIVE:

The samples were received 5.5 degrees Celsius, please refer to the Chain of Custody for details specific to temperature upon receipt. An infrared thermometer with a tolerance of +/- 2.0 degrees Celsius was used immediately upon receipt of the samples. Temperatures exceeding the +/- 2.0 degrees Celsius may affect sample results as stated in each specific method; samples collected for air analysis should be collected and submitted at ambient temperature.

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

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

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

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

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

According to CTDEP RCP Quality Assurance and Quality Control Requirements for VOCs by 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.

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

SW 846 8260B

SW 846 8260B

Laboratory Control Samples:

8091332-BSD1

Analyte out of acceptance range.

2-Butanone (MEK)

8091368-BS1

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

2-Hexanone (MBK)

Analyte out of acceptance range.

2-Butanone (MEK)

8091368-BSD1

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

2-Hexanone (MBK)

RPD out of acceptance range.

2-Butanone (MEK)

8091370-BS1

Analyte out of acceptance range.

1,1,2-Trichlorotrifluoroethane (Freon 113)

8091370-BSD1

Analyte out of acceptance range.

trans-1,4-Dichloro-2-butene

Samples:

SA84680-01 *FB091608*

Analyte concentration confirmed by duplicate analysis.

Acetone
Methylene chloride

SA84680-03 *SBE-(4-6)*

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

SA84680-08 *SBA-(2-4)*

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

SW846 1312/6010B

SW846 1312/6010B

Spikes:

8100369-MS1 *Source: SA85466-01*

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

Thallium

8100369-MSD1 *Source: SA85466-01*

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

Thallium

SW846 6010B

Spikes:

8091835-MS1 *Source: SA84680-05*

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

Antimony

8091835-MSD1 *Source: SA84680-05*

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

Antimony

Duplicates:

8091698-DUP1 *Source: SA84621-08*

Analyses are not controlled on RPD values from sample concentrations that are less than 5 times the reporting level. The batch is accepted based upon the difference between the sample and duplicate is less than or equal to the reporting limit.

Cadmium
Thallium

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

Zinc

8091835-DUP1 *Source: SA84680-03*

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

Copper

VOC Soil Extraction

VOC Soil Extraction

Samples:

SA84680-03 *SBE-(4-6)*

Field extracted

VOC Extraction

SA84680-04 *SBF-(6-8)*

Field extracted

VOC Extraction

SA84680-05 *SBB-(2-4)*

Field extracted

VOC Extraction

SA84680-06 *SBD-(2-4)*

Field extracted

VOC Extraction

SA84680-07 *SBC-(2-4)*

Field extracted

VOC Extraction

SA84680-08 *SBA-(2-4)*

Field extracted

VOC Extraction

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
FB091608 SA84680-01	107307-3661-0110	Water	16-Sep-08 08:00	17-Sep-08

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Volatile Organic Compounds											
Volatile Organic Compounds											
Prepared by method SW846 5030 Water MS											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/l	1.0	1	SW 846 8260B	18-Sep-08	18-Sep-08	8091330	
67-64-1	Acetone	36.6	V11	µg/l	10.0	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/l	0.5	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/l	1.0	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/l	1.0	1	"	"	"	"	
74-97-5	Bromochloromethane	BRL		µg/l	1.0	1	"	"	"	"	
75-27-4	Bromodichloromethane	BRL		µg/l	0.5	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/l	1.0	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/l	2.0	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/l	10.0	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/l	1.0	1	"	"	"	"	
135-98-8	sec-Butylbenzene	BRL		µg/l	1.0	1	"	"	"	"	
98-06-6	tert-Butylbenzene	BRL		µg/l	1.0	1	"	"	"	"	
75-15-0	Carbon disulfide	BRL		µg/l	5.0	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/l	1.0	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/l	2.0	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/l	1.0	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/l	2.0	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/l	1.0	1	"	"	"	"	
106-43-4	4-Chlorotoluene	BRL		µg/l	1.0	1	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/l	2.0	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/l	0.5	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/l	0.5	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/l	1.0	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/l	2.0	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/l	1.0	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/l	1.0	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/l	1.0	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/l	1.0	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/l	1.0	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/l	1.0	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/l	1.0	1	"	"	"	"	
594-20-7	2,2-Dichloropropane	BRL		µg/l	1.0	1	"	"	"	"	
563-58-6	1,1-Dichloropropene	BRL		µg/l	1.0	1	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/l	0.5	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/l	0.5	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/l	1.0	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/l	0.5	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/l	10.0	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/l	1.0	1	"	"	"	"	
99-87-6	4-Isopropyltoluene	BRL		µg/l	1.0	1	"	"	"	"	
1634-04-4	Methyl tert-butyl ether	BRL		µg/l	1.0	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/l	10.0	1	"	"	"	"	X
75-09-2	Methylene chloride	24.4	V11	µg/l	5.0	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/l	1.0	1	"	"	"	"	X
103-65-1	n-Propylbenzene	BRL		µg/l	1.0	1	"	"	"	"	

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
FB091608	107307-3661-0110	Water	16-Sep-08 08:00	17-Sep-08
SA84680-01				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
Volatile Organic Compounds											
Prepared by method SW846 5030 Water MS											
100-42-5	Styrene	BRL		µg/l	1.0	1	SW 846 8260B	18-Sep-08	18-Sep-08	8091330	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/l	1.0	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/l	0.5	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/l	1.0	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/l	1.0	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/l	1.0	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/l	1.0	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/l	1.0	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/l	1.0	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/l	1.0	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/l	1.0	1	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/l	1.0	1	"	"	"	"	
75-01-4	Vinyl chloride	BRL		µg/l	1.0	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/l	2.0	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/l	1.0	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/l	10.0	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/l	1.0	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/l	1.0	1	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/l	1.0	1	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/l	1.0	1	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/l	10.0	1	"	"	"	"	
123-91-1	1,4-Dioxane	BRL		µg/l	20.0	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/l	5.0	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/l	400	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*101*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*98*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*102*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*102*		*70-130 %*			"	"	"	"	
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3510C											
83-32-9	Acenaphthene	BRL		µg/l	5.26	1	SW846 8270C	19-Sep-08	24-Sep-08	8091469	X
208-96-8	Acenaphthylene	BRL		µg/l	5.26	1	"	"	"	"	X
62-53-3	Aniline	BRL		µg/l	5.26	1	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/l	5.26	1	"	"	"	"	X
1912-24-9	Atrazine	BRL		µg/l	5.26	1	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/l	5.26	1	"	"	"	"	
92-87-5	Benzidine	BRL		µg/l	5.26	1	"	"	"	"	X
56-55-3	Benzo (a) anthracene	BRL		µg/l	5.26	1	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/l	5.26	1	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/l	5.26	1	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/l	5.26	1	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/l	5.26	1	"	"	"	"	X
65-85-0	Benzoic acid	BRL		µg/l	5.26	1	"	"	"	"	X
100-51-6	Benzyl alcohol	BRL		µg/l	5.26	1	"	"	"	"	X
111-91-1	Bis(2-chloroethoxy)methane	BRL		µg/l	5.26	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
FB091608 SA84680-01	107307-3661-0110	Water	16-Sep-08 08:00	17-Sep-08

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 3510C											
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/l	5.26	1	SW846 8270C	19-Sep-08	24-Sep-08	8091469	X
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/l	5.26	1	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/l	5.26	1	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/l	5.26	1	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	BRL		µg/l	5.26	1	"	"	"	"	X
86-74-8	Carbazole	BRL		µg/l	5.26	1	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	BRL		µg/l	5.26	1	"	"	"	"	X
106-47-8	4-Chloroaniline	BRL		µg/l	5.26	1	"	"	"	"	X
91-58-7	2-Chloronaphthalene	BRL		µg/l	5.26	1	"	"	"	"	X
95-57-8	2-Chlorophenol	BRL		µg/l	5.26	1	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/l	5.26	1	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/l	5.26	1	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/l	5.26	1	"	"	"	"	X
132-64-9	Dibenzofuran	BRL		µg/l	5.26	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/l	5.26	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/l	5.26	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/l	5.26	1	"	"	"	"	X
91-94-1	3,3´-Dichlorobenzidine	BRL		µg/l	5.26	1	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	BRL		µg/l	5.26	1	"	"	"	"	X
84-66-2	Diethyl phthalate	BRL		µg/l	5.26	1	"	"	"	"	X
131-11-3	Dimethyl phthalate	BRL		µg/l	5.26	1	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	BRL		µg/l	5.26	1	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	BRL		µg/l	5.26	1	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/l	5.26	1	"	"	"	"	
51-28-5	2,4-Dinitrophenol	BRL		µg/l	5.26	1	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	BRL		µg/l	5.26	1	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	BRL		µg/l	5.26	1	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	BRL		µg/l	5.26	1	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/l	5.26	1	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/l	5.26	1	"	"	"	"	X
118-74-1	Hexachlorobenzene	BRL		µg/l	5.26	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/l	5.26	1	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	BRL		µg/l	5.26	1	"	"	"	"	X
67-72-1	Hexachloroethane	BRL		µg/l	5.26	1	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/l	5.26	1	"	"	"	"	X
78-59-1	Isophorone	BRL		µg/l	5.26	1	"	"	"	"	X
91-57-6	2-Methylnaphthalene	BRL		µg/l	5.26	1	"	"	"	"	X
95-48-7	2-Methylphenol	BRL		µg/l	5.26	1	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	BRL		µg/l	10.5	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/l	5.26	1	"	"	"	"	X
88-74-4	2-Nitroaniline	BRL		µg/l	5.26	1	"	"	"	"	X
99-09-2	3-Nitroaniline	BRL		µg/l	5.26	1	"	"	"	"	X
100-01-6	4-Nitroaniline	BRL		µg/l	21.1	1	"	"	"	"	X
98-95-3	Nitrobenzene	BRL		µg/l	5.26	1	"	"	"	"	X
88-75-5	2-Nitrophenol	BRL		µg/l	5.26	1	"	"	"	"	X
100-02-7	4-Nitrophenol	BRL		µg/l	21.1	1	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	BRL		µg/l	5.26	1	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/l	5.26	1	"	"	"	"	X
86-30-6	N-Nitrosodiphenylamine	BRL		µg/l	5.26	1	"	"	"	"	X
87-86-5	Pentachlorophenol	BRL		µg/l	21.1	1	"	"	"	"	X

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
FB091608	107307-3661-0110	Water	16-Sep-08 08:00	17-Sep-08
SA84680-01				

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 3510C											
85-01-8	Phenanthrene	BRL		µg/l	5.26	1	SW846 8270C	19-Sep-08	24-Sep-08	8091469	X
108-95-2	Phenol	BRL		µg/l	5.26	1	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/l	5.26	1	"	"	"	"	X
110-86-1	Pyridine	BRL		µg/l	5.26	1	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/l	5.26	1	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/l	5.26	1	"	"	"	"	
95-95-4	2,4,5-Trichlorophenol	BRL		µg/l	5.26	1	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	BRL		µg/l	5.26	1	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	BRL		µg/l	5.26	1	"	"	"	"	
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/l	5.26	1	"	"	"	"	
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*40*		*30-130 %*			"	"	"	"	
367-12-4	*2-Fluorophenol*	*40*		*15-110 %*			"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*41*		*30-130 %*			"	"	"	"	
4165-62-2	*Phenol-d5*	*44*		*15-110 %*			"	"	"	"	
1718-51-0	*Terphenyl-d14*	*39*		*30-130 %*			"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*37*		*15-110 %*			"	"	"	"	
Semivolatile Organic Compounds by GC											
Polychlorinated Biphenyls by SW846 8082											
Prepared by method SW846 3510C											
12674-11-2	PCB 1016	BRL		µg/l	0.200	1	SW846 8082	19-Sep-08	20-Sep-08	8091422	X
11104-28-2	PCB 1221	BRL		µg/l	0.200	1	"	"	"	"	X
11141-16-5	PCB 1232	BRL		µg/l	0.200	1	"	"	"	"	X
53469-21-9	PCB 1242	BRL		µg/l	0.200	1	"	"	"	"	X
12672-29-6	PCB 1248	BRL		µg/l	0.200	1	"	"	"	"	X
11097-69-1	PCB 1254	BRL		µg/l	0.200	1	"	"	"	"	X
11096-82-5	PCB 1260	BRL		µg/l	0.200	1	"	"	"	"	X
37324-23-5	PCB 1262	BRL		µg/l	0.200	1	"	"	"	"	X
11100-14-4	PCB 1268	BRL		µg/l	0.200	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*70*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*82*		*30-150 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3510C											
8006-61-9	Gasoline	BRL		mg/l	0.1	1	+CT ETPH	19-Sep-08	25-Sep-08	8091463	
68476-30-2	Fuel Oil #2	BRL		mg/l	0.1	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/l	0.1	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/l	0.1	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/l	0.1	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/l	0.1	1	"	"	"	"	
	Unidentified	BRL		mg/l	0.1	1	"	"	"	"	
	Other Oil	BRL		mg/l	0.1	1	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL		mg/l	0.1	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	BRL		mg/l	0.1	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*94*		*50-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	BRL		mg/l	0.0050	1	SW846 6010B	25-Sep-08	25-Sep-08	8091698	X

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
FB091608 SA84680-01	107307-3661-0110	Water	16-Sep-08 08:00	17-Sep-08

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Total Metals by EPA 6000/7000 Series Methods											
7440-38-2	Arsenic	BRL		mg/l	0.0040	1	SW846 6010B	25-Sep-08	25-Sep-08	8091698	X
7440-39-3	Barium	0.0060		mg/l	0.0050	1	"	"	26-Sep-08	"	X
7440-41-7	Beryllium	BRL		mg/l	0.0020	1	"	"	"	"	X
7440-43-9	Cadmium	BRL		mg/l	0.0025	1	"	"	25-Sep-08	"	X
7440-47-3	Chromium	BRL		mg/l	0.0050	1	"	"	"	"	X
7440-50-8	Copper	BRL		mg/l	0.0050	1	"	"	"	"	X
7440-02-0	Nickel	BRL		mg/l	0.0050	1	"	"	"	"	X
7439-92-1	Lead	BRL		mg/l	0.0075	1	"	"	"	"	X
7440-36-0	Antimony	BRL		mg/l	0.0060	1	"	"	"	"	X
7782-49-2	Selenium	BRL		mg/l	0.0150	1	"	"	"	"	X
7440-28-0	Thallium	BRL		mg/l	0.0050	1	"	"	"	"	X
7440-62-2	Vanadium	BRL		mg/l	0.0050	1	"	"	"	"	X
7440-66-6	Zinc	0.0115		mg/l	0.0050	1	"	"	"	"	X
Total Metals by EPA 200 Series Methods											
7439-97-6	Mercury	BRL		mg/l	0.00020	1	EPA 245.1/7470A	25-Sep-08	25-Sep-08	8091699	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TB091608 SA84680-02	107307-3661-0110	Water	16-Sep-08 10:30	17-Sep-08

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Volatile Organic Compounds											
Volatile Organic Compounds											
Prepared by method SW846 5030 Water MS											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/l	1.0	1	SW 846 8260B	18-Sep-08	18-Sep-08	8091330	
67-64-1	Acetone	BRL		µg/l	10.0	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/l	0.5	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/l	1.0	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/l	1.0	1	"	"	"	"	
74-97-5	Bromochloromethane	BRL		µg/l	1.0	1	"	"	"	"	
75-27-4	Bromodichloromethane	BRL		µg/l	0.5	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/l	1.0	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/l	2.0	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/l	10.0	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/l	1.0	1	"	"	"	"	
135-98-8	sec-Butylbenzene	BRL		µg/l	1.0	1	"	"	"	"	
98-06-6	tert-Butylbenzene	BRL		µg/l	1.0	1	"	"	"	"	
75-15-0	Carbon disulfide	BRL		µg/l	5.0	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/l	1.0	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/l	2.0	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/l	1.0	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/l	2.0	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/l	1.0	1	"	"	"	"	
106-43-4	4-Chlorotoluene	BRL		µg/l	1.0	1	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/l	2.0	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/l	0.5	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/l	0.5	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/l	1.0	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/l	2.0	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/l	1.0	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/l	1.0	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/l	1.0	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/l	1.0	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/l	1.0	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/l	1.0	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/l	1.0	1	"	"	"	"	
594-20-7	2,2-Dichloropropane	BRL		µg/l	1.0	1	"	"	"	"	
563-58-6	1,1-Dichloropropene	BRL		µg/l	1.0	1	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/l	0.5	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/l	0.5	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/l	1.0	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/l	0.5	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/l	10.0	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/l	1.0	1	"	"	"	"	
99-87-6	4-Isopropyltoluene	BRL		µg/l	1.0	1	"	"	"	"	
1634-04-4	Methyl tert-butyl ether	BRL		µg/l	1.0	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/l	10.0	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/l	5.0	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/l	1.0	1	"	"	"	"	X
103-65-1	n-Propylbenzene	BRL		µg/l	1.0	1	"	"	"	"	

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TB091608 SA84680-02	107307-3661-0110	Water	16-Sep-08 10:30	17-Sep-08

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Volatile Organic Compounds											
Volatile Organic Compounds											
Prepared by method SW846 5030 Water MS											
100-42-5	Styrene	BRL		µg/l	1.0	1	SW 846 8260B	18-Sep-08	18-Sep-08	8091330	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/l	1.0	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/l	0.5	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/l	1.0	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/l	1.0	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/l	1.0	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/l	1.0	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/l	1.0	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/l	1.0	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/l	1.0	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/l	1.0	1	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/l	1.0	1	"	"	"	"	
75-01-4	Vinyl chloride	BRL		µg/l	1.0	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/l	2.0	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/l	1.0	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/l	10.0	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/l	1.0	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/l	1.0	1	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/l	1.0	1	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/l	1.0	1	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/l	10.0	1	"	"	"	"	
123-91-1	1,4-Dioxane	BRL		µg/l	20.0	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/l	5.0	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/l	400	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*98*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*97*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*103*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*102*		*70-130 %*			"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SBE-(4-6) SA84680-03	107307-3661-0110	Soil	16-Sep-08 08:45	17-Sep-08

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	17-Sep-08	17-Sep-08	8091304	
Volatile Organic Compounds			VC10								
Prepared by method SW846 5035A Soil (low level)					Initial weight: 9.61 g						
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	3.0	1	SW 846 8260B	18-Sep-08	18-Sep-08	8091332	
67-64-1	Acetone	BRL		µg/kg dry	30.1	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	3.0	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	3.0	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	3.0	1	"	"	"	"	
74-97-5	Bromochloromethane	BRL		µg/kg dry	3.0	1	"	"	"	"	
75-27-4	Bromodichloromethane	BRL		µg/kg dry	3.0	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	3.0	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	6.0	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	30.1	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	3.0	1	"	"	"	"	
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	3.0	1	"	"	"	"	
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	3.0	1	"	"	"	"	
75-15-0	Carbon disulfide	BRL		µg/kg dry	15.0	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	3.0	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	3.0	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	6.0	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	3.0	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	6.0	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	3.0	1	"	"	"	"	
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	3.0	1	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	6.0	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	3.0	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	3.0	1	"	"	"	"	
74-95-3	Dibromomethane	BRL		µg/kg dry	3.0	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	3.0	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	3.0	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	3.0	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	6.0	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	3.0	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	3.0	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	3.0	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	3.0	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	3.0	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	3.0	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	3.0	1	"	"	"	"	
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	3.0	1	"	"	"	"	
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	3.0	1	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	3.0	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	3.0	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	3.0	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	3.0	1	"	"	"	"	
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	30.1	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	3.0	1	"	"	"	"	
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	3.0	1	"	"	"	"	
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	3.0	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	30.1	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	30.1	1	"	"	"	"	X
91-20-3	Naphthalene	9.3		µg/kg dry	3.0	1	"	"	"	"	

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SBE-(4-6) SA84680-03	107307-3661-0110	Soil	16-Sep-08 08:45	17-Sep-08

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: 9.61 g					
103-65-1	n-Propylbenzene	BRL		µg/kg dry	3.0	1	SW 846 8260B	18-Sep-08	18-Sep-08	8091332	
100-42-5	Styrene	BRL		µg/kg dry	3.0	1	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	3.0	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	3.0	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	3.0	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	3.0	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	3.0	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	3.0	1	"	"	"	"	
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	3.0	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	3.0	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	3.0	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	3.0	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	3.0	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	3.0	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	3.0	1	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	3.0	1	"	"	"	"	
75-01-4	Vinyl chloride	BRL		µg/kg dry	3.0	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	6.0	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	3.0	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	30.1	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	3.0	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	3.0	1	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	3.0	1	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	3.0	1	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	30.1	1	"	"	"	"	
123-91-1	1,4-Dioxane	BRL		µg/kg dry	60.1	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	15.0	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	1200	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*97*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*95*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*122*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*103*		*70-130 %*			"	"	"	"	
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
83-32-9	Acenaphthene	BRL		µg/kg dry	6900	20	SW846 8270C	19-Sep-08	23-Sep-08	8091410	X
208-96-8	Acenaphthylene	14,100		µg/kg dry	6900	20	"	"	"	"	X
62-53-3	Aniline	BRL		µg/kg dry	6900	20	"	"	"	"	X
120-12-7	Anthracene	18,200		µg/kg dry	6900	20	"	"	"	"	X
1912-24-9	Atrazine	BRL		µg/kg dry	6900	20	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/kg dry	6900	20	"	"	"	"	
92-87-5	Benzidine	BRL		µg/kg dry	6900	20	"	"	"	"	X
56-55-3	Benzo (a) anthracene	37,300		µg/kg dry	6900	20	"	"	"	"	X
50-32-8	Benzo (a) pyrene	34,700		µg/kg dry	6900	20	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	27,900		µg/kg dry	6900	20	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	16,400		µg/kg dry	6900	20	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	34,700		µg/kg dry	6900	20	"	"	"	"	X
65-85-0	Benzoic acid	BRL		µg/kg dry	6900	20	"	"	"	"	X
100-51-6	Benzyl alcohol	BRL		µg/kg dry	6900	20	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SBE-(4-6)	107307-3661-0110	Soil	16-Sep-08 08:45	17-Sep-08
SA84680-03				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
111-91-1	Bis(2-chloroethoxy)methane	BRL		µg/kg dry	6900	20	SW846 8270C	19-Sep-08	23-Sep-08	8091410	X
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/kg dry	6900	20	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	6900	20	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	6900	20	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/kg dry	6900	20	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	BRL		µg/kg dry	6900	20	"	"	"	"	X
86-74-8	Carbazole	10,100		µg/kg dry	6900	20	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	BRL		µg/kg dry	6900	20	"	"	"	"	X
106-47-8	4-Chloroaniline	BRL		µg/kg dry	6900	20	"	"	"	"	X
91-58-7	2-Chloronaphthalene	BRL		µg/kg dry	6900	20	"	"	"	"	X
95-57-8	2-Chlorophenol	BRL		µg/kg dry	6900	20	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/kg dry	6900	20	"	"	"	"	X
218-01-9	Chrysene	39,500		µg/kg dry	6900	20	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	6900	20	"	"	"	"	X
132-64-9	Dibenzofuran	8,540		µg/kg dry	6900	20	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	6900	20	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	6900	20	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	6900	20	"	"	"	"	X
91-94-1	3,3'-Dichlorobenzidine	BRL		µg/kg dry	6900	20	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	BRL		µg/kg dry	6900	20	"	"	"	"	X
84-66-2	Diethyl phthalate	BRL		µg/kg dry	6900	20	"	"	"	"	X
131-11-3	Dimethyl phthalate	BRL		µg/kg dry	6900	20	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	BRL		µg/kg dry	6900	20	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	BRL		µg/kg dry	6900	20	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	6900	20	"	"	"	"	
51-28-5	2,4-Dinitrophenol	BRL		µg/kg dry	6900	20	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	BRL		µg/kg dry	6900	20	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	BRL		µg/kg dry	6900	20	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	BRL		µg/kg dry	6900	20	"	"	"	"	X
206-44-0	Fluoranthene	77,300		µg/kg dry	6900	20	"	"	"	"	X
86-73-7	Fluorene	20,000		µg/kg dry	6900	20	"	"	"	"	X
118-74-1	Hexachlorobenzene	BRL		µg/kg dry	6900	20	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	6900	20	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	BRL		µg/kg dry	6900	20	"	"	"	"	X
67-72-1	Hexachloroethane	BRL		µg/kg dry	6900	20	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	16,800		µg/kg dry	6900	20	"	"	"	"	X
90-12-0	1-Methylnaphthalene	14,400		µg/kg dry	6900	20	"	"	"	"	
78-59-1	Isophorone	BRL		µg/kg dry	6900	20	"	"	"	"	X
91-57-6	2-Methylnaphthalene	14,200		µg/kg dry	6900	20	"	"	"	"	X
95-48-7	2-Methylphenol	BRL		µg/kg dry	6900	20	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	BRL		µg/kg dry	6900	20	"	"	"	"	X
91-20-3	Naphthalene	20,900		µg/kg dry	6900	20	"	"	"	"	X
88-74-4	2-Nitroaniline	BRL		µg/kg dry	6900	20	"	"	"	"	X
99-09-2	3-Nitroaniline	BRL		µg/kg dry	6900	20	"	"	"	"	X
100-01-6	4-Nitroaniline	BRL		µg/kg dry	27600	20	"	"	"	"	X
98-95-3	Nitrobenzene	BRL		µg/kg dry	6900	20	"	"	"	"	X
88-75-5	2-Nitrophenol	BRL		µg/kg dry	6900	20	"	"	"	"	X
100-02-7	4-Nitrophenol	BRL		µg/kg dry	27600	20	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	BRL		µg/kg dry	6900	20	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/kg dry	6900	20	"	"	"	"	X

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SBE-(4-6) SA84680-03	107307-3661-0110	Soil	16-Sep-08 08:45	17-Sep-08

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	6900	20	SW846 8270C	19-Sep-08	23-Sep-08	8091410	X
87-86-5	Pentachlorophenol	BRL		µg/kg dry	6900	20	"	"	"	"	X
85-01-8	Phenanthrene	85,500		µg/kg dry	6900	20	"	"	"	"	X
108-95-2	Phenol	BRL		µg/kg dry	6900	20	"	"	"	"	X
129-00-0	Pyrene	107,000		µg/kg dry	6900	20	"	"	"	"	X
110-86-1	Pyridine	BRL		µg/kg dry	6900	20	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	6900	20	"	"	"	"	X
95-95-4	2,4,5-Trichlorophenol	BRL		µg/kg dry	6900	20	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	BRL		µg/kg dry	6900	20	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	BRL		µg/kg dry	6900	20	"	"	"	"	
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	6900	20	"	"	"	"	
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*75*		*30-130 %*			"	"	"	"	
367-12-4	*2-Fluorophenol*	*70*		*15-110 %*			"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*65*		*30-130 %*			"	"	"	"	
4165-62-2	*Phenol-d5*	*67*		*15-110 %*			"	"	"	"	
1718-51-0	*Terphenyl-d14*	*107*		*30-130 %*			"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*58*		*15-110 %*			"	"	"	"	
Semivolatile Organic Compounds by GC											
Polychlorinated Biphenyls by SW846 8082											
Prepared by method SW846 3545A											
12674-11-2	PCB 1016	BRL		µg/kg dry	20.2	1	SW846 8082	22-Sep-08	22-Sep-08	8091560	X
11104-28-2	PCB 1221	BRL		µg/kg dry	20.2	1	"	"	"	"	X
11141-16-5	PCB 1232	BRL		µg/kg dry	20.2	1	"	"	"	"	X
53469-21-9	PCB 1242	BRL		µg/kg dry	20.2	1	"	"	"	"	X
12672-29-6	PCB 1248	BRL		µg/kg dry	20.2	1	"	"	"	"	X
11097-69-1	PCB 1254	BRL		µg/kg dry	20.2	1	"	"	"	"	X
11096-82-5	PCB 1260	BRL		µg/kg dry	20.2	1	"	"	"	"	X
37324-23-5	PCB 1262	BRL		µg/kg dry	20.2	1	"	"	"	"	
11100-14-4	PCB 1268	BRL		µg/kg dry	20.2	1	"	"	"	"	
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*86*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*95*		*30-150 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3550B											
8006-61-9	Gasoline	BRL		mg/kg dry	139	10	+CT ETPH	19-Sep-08	22-Sep-08	8091411	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	139	10	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	139	10	"	"	"	"	
68553-00-4	Fuel Oil #6	Calculated as		mg/kg dry	139	10	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	139	10	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	139	10	"	"	"	"	
	Unidentified	3,290		mg/kg dry	139	10	"	"	"	"	
	Other Oil	Calculated as		mg/kg dry	139	10	"	"	"	"	
	Total Petroleum Hydrocarbons	3,290		mg/kg dry	139	10	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	3,290		mg/kg dry	139	10	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*115*		*50-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SBE-(4-6)	107307-3661-0110	Soil	16-Sep-08 08:45	17-Sep-08
SA84680-03				

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	1.36	1	SW846 6010B	24-Sep-08	26-Sep-08	8091835	X
7440-38-2	Arsenic	1.45		mg/kg dry	1.36	1	"	"	"	"	X
7440-39-3	Barium	76.2		mg/kg dry	0.907	1	"	"	"	"	X
7440-41-7	Beryllium	BRL		mg/kg dry	0.453	1	"	"	"	"	X
7440-43-9	Cadmium	0.662		mg/kg dry	0.453	1	"	"	"	"	X
7440-47-3	Chromium	23.3		mg/kg dry	0.907	1	"	"	"	"	X
7440-50-8	Copper	35.3		mg/kg dry	0.907	1	"	"	"	"	X
7439-97-6	Mercury	BRL		mg/kg dry	0.0308	1	SW846 7471A	"	26-Sep-08	8091836	X
7440-02-0	Nickel	13.2		mg/kg dry	0.907	1	SW846 6010B	"	26-Sep-08	8091835	X
7439-92-1	Lead	15.7		mg/kg dry	1.36	1	"	"	"	"	X
7440-36-0	Antimony	BRL		mg/kg dry	2.72	1	"	"	"	"	X
7782-49-2	Selenium	BRL		mg/kg dry	1.36	1	"	"	"	"	X
7440-28-0	Thallium	BRL		mg/kg dry	2.72	1	"	"	"	"	X
7440-62-2	Vanadium	32.9		mg/kg dry	1.36	1	"	"	"	"	X
7440-66-6	Zinc	47.7		mg/kg dry	0.907	1	"	"	"	"	X
SPLP Metals by EPA 1312 & 6000/7000 Series Methods											
	SPLP Extraction	Completed		N/A		1	SW846 1312	03-Oct-08	03-Oct-08	8100297	
7440-22-4	Silver	BRL		mg/l	0.0050	1	SW846 1312/6010B	06-Oct-08	06-Oct-08	8100369	X
7440-38-2	Arsenic	BRL		mg/l	0.0040	1	"	"	"	"	
7440-39-3	Barium	0.0084		mg/l	0.0050	1	"	"	"	"	
7440-41-7	Beryllium	BRL		mg/l	0.0020	1	"	"	"	"	
7440-43-9	Cadmium	BRL		mg/l	0.0025	1	"	"	"	"	
7440-47-3	Chromium	BRL		mg/l	0.0050	1	"	"	"	"	
7440-50-8	Copper	BRL		mg/l	0.0050	1	"	"	"	"	
7439-97-6	Mercury	BRL		mg/l	0.00020	1	SW846 1312/7470A	"	06-Oct-08	8100370	
7440-02-0	Nickel	BRL		mg/l	0.0050	1	SW846 1312/6010B	"	06-Oct-08	8100369	
7439-92-1	Lead	BRL		mg/l	0.0075	1	"	"	"	"	
7440-36-0	Antimony	BRL		mg/l	0.0060	1	"	"	"	"	
7782-49-2	Selenium	BRL		mg/l	0.0150	1	"	"	"	"	
7440-28-0	Thallium	BRL		mg/l	0.0050	1	"	"	"	"	
7440-62-2	Vanadium	BRL		mg/l	0.0050	1	"	"	"	"	
7440-66-6	Zinc	BRL		mg/l	0.0200	1	"	"	"	"	
General Chemistry Parameters											
	% Solids	94.9		%		1	SM2540 G Mod.	24-Sep-08	24-Sep-08	8091825	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SBF-(6-8) SA84680-04	107307-3661-0110	Soil	16-Sep-08 09:15	17-Sep-08

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	17-Sep-08	17-Sep-08	8091304	
Volatile Organic Compounds						Initial weight: 5.5 g					
Prepared by method SW846 5035A Soil (low level)											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	6.3	1	SW 846 8260B	18-Sep-08	18-Sep-08	8091332	
67-64-1	Acetone	BRL		µg/kg dry	62.6	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	"	"	"	"	
74-97-5	Bromochloromethane	BRL		µg/kg dry	6.3	1	"	"	"	"	
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	12.5	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	62.6	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	6.3	1	"	"	"	"	
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	6.3	1	"	"	"	"	
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	6.3	1	"	"	"	"	
75-15-0	Carbon disulfide	BRL		µg/kg dry	31.3	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	12.5	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	6.3	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	12.5	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	6.3	1	"	"	"	"	
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	6.3	1	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	12.5	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	6.3	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	6.3	1	"	"	"	"	
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	12.5	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	"	"	"	"	
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	6.3	1	"	"	"	"	
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	6.3	1	"	"	"	"	
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	"	"	"	"	
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	62.6	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	6.3	1	"	"	"	"	
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	6.3	1	"	"	"	"	
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	62.6	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	62.6	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	6.3	1	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SBF-(6-8) SA84680-04	107307-3661-0110	Soil	16-Sep-08 09:15	17-Sep-08

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
Volatile Organic Compounds											
Prepared by method SW846 5035A Soil (low level)					Initial weight: 5.5 g						
103-65-1	n-Propylbenzene	BRL		µg/kg dry	6.3	1	SW 846 8260B	18-Sep-08	18-Sep-08	8091332	
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	"	"	"	"	
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	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	6.3	1	"	"	"	"	
75-01-4	Vinyl chloride	BRL		µg/kg dry	6.3	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	12.5	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	6.3	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	62.6	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	62.6	1	"	"	"	"	
123-91-1	1,4-Dioxane	BRL		µg/kg dry	125	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	31.3	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	2500	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*99*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*96*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*129*		*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	387	1	SW846 8270C	19-Sep-08	23-Sep-08	8091410	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	387	1	"	"	"	"	X
62-53-3	Aniline	BRL		µg/kg dry	387	1	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	387	1	"	"	"	"	X
1912-24-9	Atrazine	BRL		µg/kg dry	387	1	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/kg dry	387	1	"	"	"	"	
92-87-5	Benzidine	BRL		µg/kg dry	387	1	"	"	"	"	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	387	1	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	387	1	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	387	1	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	387	1	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	387	1	"	"	"	"	X
65-85-0	Benzoic acid	BRL		µg/kg dry	387	1	"	"	"	"	X
100-51-6	Benzyl alcohol	BRL		µg/kg dry	387	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SBF-(6-8) SA84680-04	107307-3661-0110	Soil	16-Sep-08 09:15	17-Sep-08

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	387	1	SW846 8270C	19-Sep-08	23-Sep-08	8091410	X
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/kg dry	387	1	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	387	1	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	387	1	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/kg dry	387	1	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	BRL		µg/kg dry	387	1	"	"	"	"	X
86-74-8	Carbazole	BRL		µg/kg dry	387	1	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	BRL		µg/kg dry	387	1	"	"	"	"	X
106-47-8	4-Chloroaniline	BRL		µg/kg dry	387	1	"	"	"	"	X
91-58-7	2-Chloronaphthalene	BRL		µg/kg dry	387	1	"	"	"	"	X
95-57-8	2-Chlorophenol	BRL		µg/kg dry	387	1	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/kg dry	387	1	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	387	1	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	387	1	"	"	"	"	X
132-64-9	Dibenzofuran	BRL		µg/kg dry	387	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	387	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	387	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	387	1	"	"	"	"	X
91-94-1	3,3´-Dichlorobenzidine	BRL		µg/kg dry	387	1	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	BRL		µg/kg dry	387	1	"	"	"	"	X
84-66-2	Diethyl phthalate	BRL		µg/kg dry	387	1	"	"	"	"	X
131-11-3	Dimethyl phthalate	BRL		µg/kg dry	387	1	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	BRL		µg/kg dry	387	1	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	BRL		µg/kg dry	387	1	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	387	1	"	"	"	"	
51-28-5	2,4-Dinitrophenol	BRL		µg/kg dry	387	1	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	BRL		µg/kg dry	387	1	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	BRL		µg/kg dry	387	1	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	BRL		µg/kg dry	387	1	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	387	1	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	387	1	"	"	"	"	X
118-74-1	Hexachlorobenzene	BRL		µg/kg dry	387	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	387	1	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	BRL		µg/kg dry	387	1	"	"	"	"	X
67-72-1	Hexachloroethane	BRL		µg/kg dry	387	1	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	387	1	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	387	1	"	"	"	"	
78-59-1	Isophorone	BRL		µg/kg dry	387	1	"	"	"	"	X
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	387	1	"	"	"	"	X
95-48-7	2-Methylphenol	BRL		µg/kg dry	387	1	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	BRL		µg/kg dry	387	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	387	1	"	"	"	"	X
88-74-4	2-Nitroaniline	BRL		µg/kg dry	387	1	"	"	"	"	X
99-09-2	3-Nitroaniline	BRL		µg/kg dry	387	1	"	"	"	"	X
100-01-6	4-Nitroaniline	BRL		µg/kg dry	1550	1	"	"	"	"	X
98-95-3	Nitrobenzene	BRL		µg/kg dry	387	1	"	"	"	"	X
88-75-5	2-Nitrophenol	BRL		µg/kg dry	387	1	"	"	"	"	X
100-02-7	4-Nitrophenol	BRL		µg/kg dry	1550	1	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	BRL		µg/kg dry	387	1	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/kg dry	387	1	"	"	"	"	X

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

* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SBF-(6-8) SA84680-04	107307-3661-0110	Soil	16-Sep-08 09:15	17-Sep-08

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	387	1	SW846 8270C	19-Sep-08	23-Sep-08	8091410	X
87-86-5	Pentachlorophenol	BRL		µg/kg dry	387	1	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	387	1	"	"	"	"	X
108-95-2	Phenol	BRL		µg/kg dry	387	1	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	387	1	"	"	"	"	X
110-86-1	Pyridine	BRL		µg/kg dry	387	1	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	387	1	"	"	"	"	X
95-95-4	2,4,5-Trichlorophenol	BRL		µg/kg dry	387	1	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	BRL		µg/kg dry	387	1	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	BRL		µg/kg dry	387	1	"	"	"	"	
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	387	1	"	"	"	"	
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*64*		*30-130 %*			"	"	"	"	
367-12-4	*2-Fluorophenol*	*64*		*15-110 %*			"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*59*		*30-130 %*			"	"	"	"	
4165-62-2	*Phenol-d5*	*65*		*15-110 %*			"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*63*		*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	22.5	1	SW846 8082	22-Sep-08	22-Sep-08	8091560	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	"	"	"	"	
11100-14-4	PCB 1268	BRL		µg/kg dry	22.5	1	"	"	"	"	
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*80*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*82*		*30-150 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3550B											
8006-61-9	Gasoline	BRL		mg/kg dry	15.6	1	+CT ETPH	19-Sep-08	22-Sep-08	8091411	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	15.6	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	15.6	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	15.6	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	15.6	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	15.6	1	"	"	"	"	
	Unidentified	BRL		mg/kg dry	15.6	1	"	"	"	"	
	Other Oil	BRL		mg/kg dry	15.6	1	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL		mg/kg dry	15.6	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	15.6	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*63*		*50-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SBF-(6-8) SA84680-04	107307-3661-0110	Soil	16-Sep-08 09:15	17-Sep-08

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	1.64	1	SW846 6010B	24-Sep-08	26-Sep-08	8091835	X
7440-38-2	Arsenic	BRL		mg/kg dry	1.64	1	"	"	"	"	X
7440-39-3	Barium	94.3		mg/kg dry	1.10	1	"	"	"	"	X
7440-41-7	Beryllium	0.603		mg/kg dry	0.548	1	"	"	"	"	X
7440-43-9	Cadmium	0.816		mg/kg dry	0.548	1	"	"	"	"	X
7440-47-3	Chromium	29.2		mg/kg dry	1.10	1	"	"	"	"	X
7440-50-8	Copper	26.2		mg/kg dry	1.10	1	"	"	"	"	X
7439-97-6	Mercury	BRL		mg/kg dry	0.0309	1	SW846 7471A	"	26-Sep-08	8091836	X
7440-02-0	Nickel	15.6		mg/kg dry	1.10	1	SW846 6010B	"	26-Sep-08	8091835	X
7439-92-1	Lead	6.33		mg/kg dry	1.64	1	"	"	"	"	X
7440-36-0	Antimony	BRL		mg/kg dry	3.29	1	"	"	"	"	X
7782-49-2	Selenium	BRL		mg/kg dry	1.64	1	"	"	"	"	X
7440-28-0	Thallium	3.60		mg/kg dry	3.29	1	"	"	"	"	X
7440-62-2	Vanadium	47.7		mg/kg dry	1.64	1	"	"	"	"	X
7440-66-6	Zinc	49.2		mg/kg dry	1.10	1	"	"	"	"	X
SPLP Metals by EPA 1312 & 6000/7000 Series Methods											
	SPLP Extraction	Completed		N/A		1	SW846 1312	03-Oct-08	03-Oct-08	8100297	
7440-22-4	Silver	BRL		mg/l	0.0050	1	SW846 1312/6010B	06-Oct-08	06-Oct-08	8100369	X
7440-38-2	Arsenic	BRL		mg/l	0.0040	1	"	"	"	"	
7440-39-3	Barium	0.0062		mg/l	0.0050	1	"	"	"	"	
7440-41-7	Beryllium	BRL		mg/l	0.0020	1	"	"	"	"	
7440-43-9	Cadmium	BRL		mg/l	0.0025	1	"	"	"	"	
7440-47-3	Chromium	BRL		mg/l	0.0050	1	"	"	"	"	
7440-50-8	Copper	BRL		mg/l	0.0050	1	"	"	"	"	
7439-97-6	Mercury	BRL		mg/l	0.00020	1	SW846 1312/7470A	"	06-Oct-08	8100370	
7440-02-0	Nickel	BRL		mg/l	0.0050	1	SW846 1312/6010B	"	06-Oct-08	8100369	
7439-92-1	Lead	BRL		mg/l	0.0075	1	"	"	"	"	
7440-36-0	Antimony	BRL		mg/l	0.0060	1	"	"	"	"	
7782-49-2	Selenium	BRL		mg/l	0.0150	1	"	"	"	"	
7440-28-0	Thallium	BRL		mg/l	0.0050	1	"	"	"	"	
7440-62-2	Vanadium	BRL		mg/l	0.0050	1	"	"	"	"	
7440-66-6	Zinc	BRL		mg/l	0.0200	1	"	"	"	"	
General Chemistry Parameters											
	% Solids	84.8		%		1	SM2540 G Mod.	25-Sep-08	25-Sep-08	8091889	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SBB-(2-4) SA84680-05	107307-3661-0110	Soil	16-Sep-08 10:55	17-Sep-08

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	17-Sep-08	17-Sep-08	8091304	
Volatile Organic Compounds											
Prepared by method SW846 5035A Soil (low level)					Initial weight: 5.81 g						
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	6.0	1	SW 846 8260B	18-Sep-08	18-Sep-08	8091332	
67-64-1	Acetone	BRL		µg/kg dry	60.4	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	6.0	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	6.0	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	6.0	1	"	"	"	"	
74-97-5	Bromochloromethane	BRL		µg/kg dry	6.0	1	"	"	"	"	
75-27-4	Bromodichloromethane	BRL		µg/kg dry	6.0	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	6.0	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	12.1	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	60.4	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	6.0	1	"	"	"	"	
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	6.0	1	"	"	"	"	
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	6.0	1	"	"	"	"	
75-15-0	Carbon disulfide	BRL		µg/kg dry	30.2	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	6.0	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	6.0	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	12.1	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	6.0	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	12.1	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	6.0	1	"	"	"	"	
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	6.0	1	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	12.1	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	6.0	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	6.0	1	"	"	"	"	
74-95-3	Dibromomethane	BRL		µg/kg dry	6.0	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	6.0	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	6.0	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	6.0	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	12.1	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	6.0	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	6.0	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	6.0	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	6.0	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	6.0	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	6.0	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	6.0	1	"	"	"	"	
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	6.0	1	"	"	"	"	
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	6.0	1	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	6.0	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	6.0	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	6.0	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	6.0	1	"	"	"	"	
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	60.4	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	6.0	1	"	"	"	"	
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	6.0	1	"	"	"	"	
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	6.0	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	60.4	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	60.4	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	6.0	1	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SBB-(2-4) SA84680-05	107307-3661-0110	Soil	16-Sep-08 10:55	17-Sep-08

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
Volatile Organic Compounds											
Prepared by method SW846 5035A Soil (low level)					Initial weight: 5.81 g						
103-65-1	n-Propylbenzene	BRL		µg/kg dry	6.0	1	SW 846 8260B	18-Sep-08	18-Sep-08	8091332	
100-42-5	Styrene	BRL		µg/kg dry	6.0	1	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	6.0	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	6.0	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	6.0	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	6.0	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	6.0	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	6.0	1	"	"	"	"	
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	6.0	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	6.0	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	6.0	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	6.0	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	6.0	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	6.0	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	6.0	1	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	6.0	1	"	"	"	"	
75-01-4	Vinyl chloride	BRL		µg/kg dry	6.0	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	12.1	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	6.0	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	60.4	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	6.0	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	6.0	1	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	6.0	1	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	6.0	1	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	60.4	1	"	"	"	"	
123-91-1	1,4-Dioxane	BRL		µg/kg dry	121	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	30.2	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	2420	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*99*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*95*		*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	387	1	SW846 8270C	19-Sep-08	23-Sep-08	8091410	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	387	1	"	"	"	"	X
62-53-3	Aniline	BRL		µg/kg dry	387	1	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	387	1	"	"	"	"	X
1912-24-9	Atrazine	BRL		µg/kg dry	387	1	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/kg dry	387	1	"	"	"	"	
92-87-5	Benzidine	BRL		µg/kg dry	387	1	"	"	"	"	X
56-55-3	Benzo (a) anthracene	790		µg/kg dry	387	1	"	"	"	"	X
50-32-8	Benzo (a) pyrene	815		µg/kg dry	387	1	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	692		µg/kg dry	387	1	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	421		µg/kg dry	387	1	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	873		µg/kg dry	387	1	"	"	"	"	X
65-85-0	Benzoic acid	BRL		µg/kg dry	387	1	"	"	"	"	X
100-51-6	Benzyl alcohol	BRL		µg/kg dry	387	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SBB-(2-4) SA84680-05	107307-3661-0110	Soil	16-Sep-08 10:55	17-Sep-08

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	387	1	SW846 8270C	19-Sep-08	23-Sep-08	8091410	X
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/kg dry	387	1	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	387	1	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	387	1	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/kg dry	387	1	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	BRL		µg/kg dry	387	1	"	"	"	"	X
86-74-8	Carbazole	BRL		µg/kg dry	387	1	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	BRL		µg/kg dry	387	1	"	"	"	"	X
106-47-8	4-Chloroaniline	BRL		µg/kg dry	387	1	"	"	"	"	X
91-58-7	2-Chloronaphthalene	BRL		µg/kg dry	387	1	"	"	"	"	X
95-57-8	2-Chlorophenol	BRL		µg/kg dry	387	1	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/kg dry	387	1	"	"	"	"	X
218-01-9	Chrysene	980		µg/kg dry	387	1	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	387	1	"	"	"	"	X
132-64-9	Dibenzofuran	BRL		µg/kg dry	387	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	387	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	387	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	387	1	"	"	"	"	X
91-94-1	3,3'-Dichlorobenzidine	BRL		µg/kg dry	387	1	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	BRL		µg/kg dry	387	1	"	"	"	"	X
84-66-2	Diethyl phthalate	BRL		µg/kg dry	387	1	"	"	"	"	X
131-11-3	Dimethyl phthalate	BRL		µg/kg dry	387	1	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	BRL		µg/kg dry	387	1	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	BRL		µg/kg dry	387	1	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	387	1	"	"	"	"	
51-28-5	2,4-Dinitrophenol	BRL		µg/kg dry	387	1	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	BRL		µg/kg dry	387	1	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	BRL		µg/kg dry	387	1	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	BRL		µg/kg dry	387	1	"	"	"	"	X
206-44-0	Fluoranthene	1,790		µg/kg dry	387	1	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	387	1	"	"	"	"	X
118-74-1	Hexachlorobenzene	BRL		µg/kg dry	387	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	387	1	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	BRL		µg/kg dry	387	1	"	"	"	"	X
67-72-1	Hexachloroethane	BRL		µg/kg dry	387	1	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	447		µg/kg dry	387	1	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	387	1	"	"	"	"	
78-59-1	Isophorone	BRL		µg/kg dry	387	1	"	"	"	"	X
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	387	1	"	"	"	"	X
95-48-7	2-Methylphenol	BRL		µg/kg dry	387	1	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	BRL		µg/kg dry	387	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	387	1	"	"	"	"	X
88-74-4	2-Nitroaniline	BRL		µg/kg dry	387	1	"	"	"	"	X
99-09-2	3-Nitroaniline	BRL		µg/kg dry	387	1	"	"	"	"	X
100-01-6	4-Nitroaniline	BRL		µg/kg dry	1550	1	"	"	"	"	X
98-95-3	Nitrobenzene	BRL		µg/kg dry	387	1	"	"	"	"	X
88-75-5	2-Nitrophenol	BRL		µg/kg dry	387	1	"	"	"	"	X
100-02-7	4-Nitrophenol	BRL		µg/kg dry	1550	1	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	BRL		µg/kg dry	387	1	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/kg dry	387	1	"	"	"	"	X

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

* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SBB-(2-4) SA84680-05	107307-3661-0110	Soil	16-Sep-08 10:55	17-Sep-08

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	387	1	SW846 8270C	19-Sep-08	23-Sep-08	8091410	X
87-86-5	Pentachlorophenol	BRL		µg/kg dry	387	1	"	"	"	"	X
85-01-8	Phenanthrene	767		µg/kg dry	387	1	"	"	"	"	X
108-95-2	Phenol	BRL		µg/kg dry	387	1	"	"	"	"	X
129-00-0	Pyrene	2,020		µg/kg dry	387	1	"	"	"	"	X
110-86-1	Pyridine	BRL		µg/kg dry	387	1	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	387	1	"	"	"	"	X
95-95-4	2,4,5-Trichlorophenol	BRL		µg/kg dry	387	1	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	BRL		µg/kg dry	387	1	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	BRL		µg/kg dry	387	1	"	"	"	"	
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	387	1	"	"	"	"	
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*72*		*30-130 %*			"	"	"	"	
367-12-4	*2-Fluorophenol*	*74*		*15-110 %*			"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*66*		*30-130 %*			"	"	"	"	
4165-62-2	*Phenol-d5*	*73*		*15-110 %*			"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*87*		*30-130 %*			"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*67*		*15-110 %*			"	"	"	"	
Semivolatile Organic Compounds by GC											
Polychlorinated Biphenyls by SW846 8082											
Prepared by method SW846 3545A											
12674-11-2	PCB 1016	BRL		µg/kg dry	22.6	1	SW846 8082	22-Sep-08	23-Sep-08	8091560	X
11104-28-2	PCB 1221	BRL		µg/kg dry	22.6	1	"	"	"	"	X
11141-16-5	PCB 1232	BRL		µg/kg dry	22.6	1	"	"	"	"	X
53469-21-9	PCB 1242	BRL		µg/kg dry	22.6	1	"	"	"	"	X
12672-29-6	PCB 1248	BRL		µg/kg dry	22.6	1	"	"	"	"	X
11097-69-1	PCB 1254	BRL		µg/kg dry	22.6	1	"	"	"	"	X
11096-82-5	PCB 1260	BRL		µg/kg dry	22.6	1	"	"	"	"	X
37324-23-5	PCB 1262	BRL		µg/kg dry	22.6	1	"	"	"	"	
11100-14-4	PCB 1268	BRL		µg/kg dry	22.6	1	"	"	"	"	
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*80*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*83*		*30-150 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3550B											
8006-61-9	Gasoline	BRL		mg/kg dry	15.6	1	+CT ETPH	19-Sep-08	22-Sep-08	8091411	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	15.6	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	15.6	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	15.6	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	15.6	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	15.6	1	"	"	"	"	
	Unidentified	76.1		mg/kg dry	15.6	1	"	"	"	"	
	Other Oil	Calculated as		mg/kg dry	15.6	1	"	"	"	"	
	Total Petroleum Hydrocarbons	76.1		mg/kg dry	15.6	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	76.1		mg/kg dry	15.6	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*84*		*50-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SBB-(2-4) SA84680-05	107307-3661-0110	Soil	16-Sep-08 10:55	17-Sep-08

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	1.72	1	SW846 6010B	24-Sep-08	26-Sep-08	8091835	X
7440-38-2	Arsenic	4.29		mg/kg dry	1.72	1	"	"	"	"	X
7440-39-3	Barium	83.4		mg/kg dry	1.15	1	"	"	"	"	X
7440-41-7	Beryllium	BRL		mg/kg dry	0.574	1	"	"	"	"	X
7440-43-9	Cadmium	0.729		mg/kg dry	0.574	1	"	"	"	"	X
7440-47-3	Chromium	25.4		mg/kg dry	1.15	1	"	"	"	"	X
7440-50-8	Copper	22.4		mg/kg dry	1.15	1	"	"	"	"	X
7439-97-6	Mercury	BRL		mg/kg dry	0.0314	1	SW846 7471A	"	26-Sep-08	8091836	X
7440-02-0	Nickel	15.1		mg/kg dry	1.15	1	SW846 6010B	"	26-Sep-08	8091835	X
7439-92-1	Lead	16.8		mg/kg dry	1.72	1	"	"	"	"	X
7440-36-0	Antimony	BRL		mg/kg dry	3.44	1	"	"	"	"	X
7782-49-2	Selenium	BRL		mg/kg dry	1.72	1	"	"	"	"	X
7440-28-0	Thallium	BRL		mg/kg dry	3.44	1	"	"	"	"	X
7440-62-2	Vanadium	32.6		mg/kg dry	1.72	1	"	"	"	"	X
7440-66-6	Zinc	47.1		mg/kg dry	1.15	1	"	"	"	"	X
SPLP Metals by EPA 1312 & 6000/7000 Series Methods											
	SPLP Extraction	Completed		N/A		1	SW846 1312	03-Oct-08	03-Oct-08	8100297	
7440-22-4	Silver	BRL		mg/l	0.0050	1	SW846 1312/6010B	06-Oct-08	06-Oct-08	8100369	X
7440-38-2	Arsenic	BRL		mg/l	0.0040	1	"	"	"	"	
7440-39-3	Barium	0.0202		mg/l	0.0050	1	"	"	"	"	
7440-41-7	Beryllium	BRL		mg/l	0.0020	1	"	"	"	"	
7440-43-9	Cadmium	BRL		mg/l	0.0025	1	"	"	"	"	
7440-47-3	Chromium	BRL		mg/l	0.0050	1	"	"	"	"	
7440-50-8	Copper	BRL		mg/l	0.0050	1	"	"	"	"	
7439-97-6	Mercury	BRL		mg/l	0.00020	1	SW846 1312/7470A	"	06-Oct-08	8100370	
7440-02-0	Nickel	BRL		mg/l	0.0050	1	SW846 1312/6010B	"	06-Oct-08	8100369	
7439-92-1	Lead	BRL		mg/l	0.0075	1	"	"	"	"	
7440-36-0	Antimony	BRL		mg/l	0.0060	1	"	"	"	"	
7782-49-2	Selenium	BRL		mg/l	0.0150	1	"	"	"	"	
7440-28-0	Thallium	BRL		mg/l	0.0050	1	"	"	"	"	
7440-62-2	Vanadium	0.0094		mg/l	0.0050	1	"	"	"	"	
7440-66-6	Zinc	BRL		mg/l	0.0200	1	"	"	"	"	
General Chemistry Parameters											
	% Solids	84.3		%		1	SM2540 G Mod.	25-Sep-08	25-Sep-08	8091889	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SBD-(2-4) SA84680-06	107307-3661-0110	Soil	16-Sep-08 11:15	17-Sep-08

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	17-Sep-08	17-Sep-08	8091304	
Volatile Organic Compounds						Initial weight: 5.1 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	SW 846 8260B	18-Sep-08	18-Sep-08	8091332	
67-64-1	Acetone	BRL		µg/kg dry	56.0	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	"	"	"	"	
74-97-5	Bromochloromethane	BRL		µg/kg dry	5.6	1	"	"	"	"	
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	11.2	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	56.0	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	5.6	1	"	"	"	"	
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	5.6	1	"	"	"	"	
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	5.6	1	"	"	"	"	
75-15-0	Carbon disulfide	BRL		µg/kg dry	28.0	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	11.2	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	5.6	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	11.2	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	5.6	1	"	"	"	"	
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	5.6	1	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	11.2	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	"	"	"	"	
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)	BRL		µg/kg dry	11.2	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	"	"	"	"	
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	5.6	1	"	"	"	"	
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	5.6	1	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	5.6	1	"	"	"	"	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	"	"	"	"	
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	56.0	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	5.6	1	"	"	"	"	
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	5.6	1	"	"	"	"	
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	5.6	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	56.0	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	56.0	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	5.6	1	"	"	"	"	

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

* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SBD-(2-4) SA84680-06	107307-3661-0110	Soil	16-Sep-08 11:15	17-Sep-08

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Volatile Organic Compounds											
Volatile Organic Compounds											
Prepared by method SW846 5035A Soil (low level)						Initial weight: 5.1 g					
103-65-1	n-Propylbenzene	BRL		µg/kg dry	5.6	1	SW 846 8260B	18-Sep-08	18-Sep-08	8091332	
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	"	"	"	"	
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	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	5.6	1	"	"	"	"	
75-01-4	Vinyl chloride	BRL		µg/kg dry	5.6	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	11.2	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	5.6	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	56.0	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	56.0	1	"	"	"	"	
123-91-1	1,4-Dioxane	BRL		µg/kg dry	112	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	28.0	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	2240	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*97*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*94*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*127*		*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	352	1	SW846 8270C	19-Sep-08	23-Sep-08	8091410	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	352	1	"	"	"	"	X
62-53-3	Aniline	BRL		µg/kg dry	352	1	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	352	1	"	"	"	"	X
1912-24-9	Atrazine	BRL		µg/kg dry	352	1	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/kg dry	352	1	"	"	"	"	
92-87-5	Benzidine	BRL		µg/kg dry	352	1	"	"	"	"	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	352	1	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	352	1	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	352	1	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	352	1	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	352	1	"	"	"	"	X
65-85-0	Benzoic acid	BRL		µg/kg dry	352	1	"	"	"	"	X
100-51-6	Benzyl alcohol	BRL		µg/kg dry	352	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SBD-(2-4) SA84680-06	107307-3661-0110	Soil	16-Sep-08 11:15	17-Sep-08

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	352	1	SW846 8270C	19-Sep-08	23-Sep-08	8091410	X
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/kg dry	352	1	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	352	1	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	352	1	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/kg dry	352	1	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	BRL		µg/kg dry	352	1	"	"	"	"	X
86-74-8	Carbazole	BRL		µg/kg dry	352	1	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	BRL		µg/kg dry	352	1	"	"	"	"	X
106-47-8	4-Chloroaniline	BRL		µg/kg dry	352	1	"	"	"	"	X
91-58-7	2-Chloronaphthalene	BRL		µg/kg dry	352	1	"	"	"	"	X
95-57-8	2-Chlorophenol	BRL		µg/kg dry	352	1	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/kg dry	352	1	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	352	1	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	352	1	"	"	"	"	X
132-64-9	Dibenzofuran	BRL		µg/kg dry	352	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	352	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	352	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	352	1	"	"	"	"	X
91-94-1	3,3´-Dichlorobenzidine	BRL		µg/kg dry	352	1	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	BRL		µg/kg dry	352	1	"	"	"	"	X
84-66-2	Diethyl phthalate	BRL		µg/kg dry	352	1	"	"	"	"	X
131-11-3	Dimethyl phthalate	BRL		µg/kg dry	352	1	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	BRL		µg/kg dry	352	1	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	BRL		µg/kg dry	352	1	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	352	1	"	"	"	"	
51-28-5	2,4-Dinitrophenol	BRL		µg/kg dry	352	1	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	BRL		µg/kg dry	352	1	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	BRL		µg/kg dry	352	1	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	BRL		µg/kg dry	352	1	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	352	1	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	352	1	"	"	"	"	X
118-74-1	Hexachlorobenzene	BRL		µg/kg dry	352	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	352	1	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	BRL		µg/kg dry	352	1	"	"	"	"	X
67-72-1	Hexachloroethane	BRL		µg/kg dry	352	1	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	352	1	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	352	1	"	"	"	"	
78-59-1	Isophorone	BRL		µg/kg dry	352	1	"	"	"	"	X
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	352	1	"	"	"	"	X
95-48-7	2-Methylphenol	BRL		µg/kg dry	352	1	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	BRL		µg/kg dry	352	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	352	1	"	"	"	"	X
88-74-4	2-Nitroaniline	BRL		µg/kg dry	352	1	"	"	"	"	X
99-09-2	3-Nitroaniline	BRL		µg/kg dry	352	1	"	"	"	"	X
100-01-6	4-Nitroaniline	BRL		µg/kg dry	1410	1	"	"	"	"	X
98-95-3	Nitrobenzene	BRL		µg/kg dry	352	1	"	"	"	"	X
88-75-5	2-Nitrophenol	BRL		µg/kg dry	352	1	"	"	"	"	X
100-02-7	4-Nitrophenol	BRL		µg/kg dry	1410	1	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	BRL		µg/kg dry	352	1	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/kg dry	352	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SBD-(2-4) SA84680-06	107307-3661-0110	Soil	16-Sep-08 11:15	17-Sep-08

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	352	1	SW846 8270C	19-Sep-08	23-Sep-08	8091410	X
87-86-5	Pentachlorophenol	BRL		µg/kg dry	352	1	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	352	1	"	"	"	"	X
108-95-2	Phenol	BRL		µg/kg dry	352	1	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	352	1	"	"	"	"	X
110-86-1	Pyridine	BRL		µg/kg dry	352	1	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	352	1	"	"	"	"	X
95-95-4	2,4,5-Trichlorophenol	BRL		µg/kg dry	352	1	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	BRL		µg/kg dry	352	1	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	BRL		µg/kg dry	352	1	"	"	"	"	
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	352	1	"	"	"	"	
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*60*		*30-130 %*			"	"	"	"	
367-12-4	*2-Fluorophenol*	*61*		*15-110 %*			"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*54*		*30-130 %*			"	"	"	"	
4165-62-2	*Phenol-d5*	*59*		*15-110 %*			"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*82*		*30-130 %*			"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*52*		*15-110 %*			"	"	"	"	
Semivolatile Organic Compounds by GC											
Polychlorinated Biphenyls by SW846 8082											
Prepared by method SW846 3545A											
12674-11-2	PCB 1016	BRL		µg/kg dry	20.7	1	SW846 8082	22-Sep-08	23-Sep-08	8091560	X
11104-28-2	PCB 1221	BRL		µg/kg dry	20.7	1	"	"	"	"	X
11141-16-5	PCB 1232	BRL		µg/kg dry	20.7	1	"	"	"	"	X
53469-21-9	PCB 1242	BRL		µg/kg dry	20.7	1	"	"	"	"	X
12672-29-6	PCB 1248	BRL		µg/kg dry	20.7	1	"	"	"	"	X
11097-69-1	PCB 1254	BRL		µg/kg dry	20.7	1	"	"	"	"	X
11096-82-5	PCB 1260	BRL		µg/kg dry	20.7	1	"	"	"	"	X
37324-23-5	PCB 1262	BRL		µg/kg dry	20.7	1	"	"	"	"	
11100-14-4	PCB 1268	BRL		µg/kg dry	20.7	1	"	"	"	"	
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*77*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*82*		*30-150 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3550B											
8006-61-9	Gasoline	BRL		mg/kg dry	14.2	1	+CT ETPH	19-Sep-08	22-Sep-08	8091411	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	14.2	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	14.2	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	14.2	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	14.2	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	14.2	1	"	"	"	"	
	Unidentified	BRL		mg/kg dry	14.2	1	"	"	"	"	
	Other Oil	BRL		mg/kg dry	14.2	1	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL		mg/kg dry	14.2	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	14.2	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*59*		*50-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SBD-(2-4)	107307-3661-0110	Soil	16-Sep-08 11:15	17-Sep-08
SA84680-06				

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	1.50	1	SW846 6010B	24-Sep-08	26-Sep-08	8091835	X
7440-38-2	Arsenic	BRL		mg/kg dry	1.50	1	"	"	"	"	X
7440-39-3	Barium	73.2		mg/kg dry	0.998	1	"	"	"	"	X
7440-41-7	Beryllium	BRL		mg/kg dry	0.499	1	"	"	"	"	X
7440-43-9	Cadmium	0.728		mg/kg dry	0.499	1	"	"	"	"	X
7440-47-3	Chromium	23.1		mg/kg dry	0.998	1	"	"	"	"	X
7440-50-8	Copper	20.3		mg/kg dry	0.998	1	"	"	"	"	X
7439-97-6	Mercury	BRL		mg/kg dry	0.0302	1	SW846 7471A	"	26-Sep-08	8091836	X
7440-02-0	Nickel	16.0		mg/kg dry	0.998	1	SW846 6010B	"	26-Sep-08	8091835	X
7439-92-1	Lead	10.4		mg/kg dry	1.50	1	"	"	"	"	X
7440-36-0	Antimony	BRL		mg/kg dry	2.99	1	"	"	"	"	X
7782-49-2	Selenium	BRL		mg/kg dry	1.50	1	"	"	"	"	X
7440-28-0	Thallium	BRL		mg/kg dry	2.99	1	"	"	"	"	X
7440-62-2	Vanadium	32.6		mg/kg dry	1.50	1	"	"	"	"	X
7440-66-6	Zinc	40.1		mg/kg dry	0.998	1	"	"	"	"	X
SPLP Metals by EPA 1312 & 6000/7000 Series Methods											
	SPLP Extraction	Completed		N/A		1	SW846 1312	03-Oct-08	03-Oct-08	8100297	
7440-22-4	Silver	BRL		mg/l	0.0050	1	SW846 1312/6010B	06-Oct-08	06-Oct-08	8100369	X
7440-38-2	Arsenic	BRL		mg/l	0.0040	1	"	"	"	"	
7440-39-3	Barium	BRL		mg/l	0.0050	1	"	"	"	"	
7440-41-7	Beryllium	BRL		mg/l	0.0020	1	"	"	"	"	
7440-43-9	Cadmium	BRL		mg/l	0.0025	1	"	"	"	"	
7440-47-3	Chromium	BRL		mg/l	0.0050	1	"	"	"	"	
7440-50-8	Copper	BRL		mg/l	0.0050	1	"	"	"	"	
7439-97-6	Mercury	BRL		mg/l	0.00020	1	SW846 1312/7470A	"	06-Oct-08	8100370	
7440-02-0	Nickel	BRL		mg/l	0.0050	1	SW846 1312/6010B	"	06-Oct-08	8100369	
7439-92-1	Lead	BRL		mg/l	0.0075	1	"	"	"	"	
7440-36-0	Antimony	BRL		mg/l	0.0060	1	"	"	"	"	
7782-49-2	Selenium	BRL		mg/l	0.0150	1	"	"	"	"	
7440-28-0	Thallium	BRL		mg/l	0.0050	1	"	"	"	"	
7440-62-2	Vanadium	BRL		mg/l	0.0050	1	"	"	"	"	
7440-66-6	Zinc	BRL		mg/l	0.0200	1	"	"	"	"	
General Chemistry Parameters											
	% Solids	93.4		%		1	SM2540 G Mod.	25-Sep-08	25-Sep-08	8091889	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SBC-(2-4) SA84680-07	107307-3661-0110	Soil	16-Sep-08 11:30	17-Sep-08

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	17-Sep-08	17-Sep-08	8091304	
Volatile Organic Compounds											
Prepared by method SW846 5035A Soil (low level)					Initial weight: 4.68 g						
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	7.3	1	SW 846 8260B	18-Sep-08	18-Sep-08	8091368	
67-64-1	Acetone	BRL		µg/kg dry	72.8	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	"	"	"	"	
74-97-5	Bromochloromethane	BRL		µg/kg dry	7.3	1	"	"	"	"	
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	14.6	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	72.8	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	7.3	1	"	"	"	"	
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	7.3	1	"	"	"	"	
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	7.3	1	"	"	"	"	
75-15-0	Carbon disulfide	BRL		µg/kg dry	36.4	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	14.6	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	7.3	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	14.6	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	7.3	1	"	"	"	"	
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	7.3	1	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	14.6	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	"	"	"	"	
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)	BRL		µg/kg dry	14.6	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	"	"	"	"	
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	7.3	1	"	"	"	"	
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	7.3	1	"	"	"	"	
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	"	"	"	"	
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	72.8	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	7.3	1	"	"	"	"	
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	7.3	1	"	"	"	"	
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	72.8	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	72.8	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	7.3	1	"	"	"	"	

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SBC-(2-4) SA84680-07	107307-3661-0110	Soil	16-Sep-08 11:30	17-Sep-08

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Volatile Organic Compounds											
Volatile Organic Compounds											
Prepared by method SW846 5035A Soil (low level)					Initial weight: 4.68 g						
103-65-1	n-Propylbenzene	BRL		µg/kg dry	7.3	1	SW 846 8260B	18-Sep-08	18-Sep-08	8091368	
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	"	"	"	"	
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	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	7.3	1	"	"	"	"	
75-01-4	Vinyl chloride	BRL		µg/kg dry	7.3	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	14.6	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	7.3	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	72.8	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	72.8	1	"	"	"	"	
123-91-1	1,4-Dioxane	BRL		µg/kg dry	146	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	36.4	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	2910	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*100*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*97*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*117*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*99*		*70-130 %*			"	"	"	"	
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
83-32-9	Acenaphthene	BRL		µg/kg dry	773	2	SW846 8270C	19-Sep-08	23-Sep-08	8091410	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	773	2	"	"	"	"	X
62-53-3	Aniline	BRL		µg/kg dry	773	2	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	773	2	"	"	"	"	X
1912-24-9	Atrazine	BRL		µg/kg dry	773	2	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/kg dry	773	2	"	"	"	"	
92-87-5	Benzidine	BRL		µg/kg dry	773	2	"	"	"	"	X
56-55-3	Benzo (a) anthracene	2,770		µg/kg dry	773	2	"	"	"	"	X
50-32-8	Benzo (a) pyrene	2,810		µg/kg dry	773	2	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	3,160		µg/kg dry	773	2	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	1,450		µg/kg dry	773	2	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	3,270		µg/kg dry	773	2	"	"	"	"	X
65-85-0	Benzoic acid	BRL		µg/kg dry	773	2	"	"	"	"	X
100-51-6	Benzyl alcohol	BRL		µg/kg dry	773	2	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SBC-(2-4) SA84680-07	107307-3661-0110	Soil	16-Sep-08 11:30	17-Sep-08

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	773	2	SW846 8270C	19-Sep-08	23-Sep-08	8091410	X
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/kg dry	773	2	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	773	2	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	773	2	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/kg dry	773	2	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	BRL		µg/kg dry	773	2	"	"	"	"	X
86-74-8	Carbazole	BRL		µg/kg dry	773	2	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	BRL		µg/kg dry	773	2	"	"	"	"	X
106-47-8	4-Chloroaniline	BRL		µg/kg dry	773	2	"	"	"	"	X
91-58-7	2-Chloronaphthalene	BRL		µg/kg dry	773	2	"	"	"	"	X
95-57-8	2-Chlorophenol	BRL		µg/kg dry	773	2	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/kg dry	773	2	"	"	"	"	X
218-01-9	Chrysene	3,590		µg/kg dry	773	2	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	773	2	"	"	"	"	X
132-64-9	Dibenzofuran	BRL		µg/kg dry	773	2	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	773	2	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	773	2	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	773	2	"	"	"	"	X
91-94-1	3,3´-Dichlorobenzidine	BRL		µg/kg dry	773	2	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	BRL		µg/kg dry	773	2	"	"	"	"	X
84-66-2	Diethyl phthalate	BRL		µg/kg dry	773	2	"	"	"	"	X
131-11-3	Dimethyl phthalate	BRL		µg/kg dry	773	2	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	BRL		µg/kg dry	773	2	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	BRL		µg/kg dry	773	2	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	773	2	"	"	"	"	
51-28-5	2,4-Dinitrophenol	BRL		µg/kg dry	773	2	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	BRL		µg/kg dry	773	2	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	BRL		µg/kg dry	773	2	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	BRL		µg/kg dry	773	2	"	"	"	"	X
206-44-0	Fluoranthene	5,710		µg/kg dry	773	2	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	773	2	"	"	"	"	X
118-74-1	Hexachlorobenzene	BRL		µg/kg dry	773	2	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	773	2	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	BRL		µg/kg dry	773	2	"	"	"	"	X
67-72-1	Hexachloroethane	BRL		µg/kg dry	773	2	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	1,600		µg/kg dry	773	2	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	773	2	"	"	"	"	
78-59-1	Isophorone	BRL		µg/kg dry	773	2	"	"	"	"	X
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	773	2	"	"	"	"	X
95-48-7	2-Methylphenol	BRL		µg/kg dry	773	2	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	BRL		µg/kg dry	773	2	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	773	2	"	"	"	"	X
88-74-4	2-Nitroaniline	BRL		µg/kg dry	773	2	"	"	"	"	X
99-09-2	3-Nitroaniline	BRL		µg/kg dry	773	2	"	"	"	"	X
100-01-6	4-Nitroaniline	BRL		µg/kg dry	3090	2	"	"	"	"	X
98-95-3	Nitrobenzene	BRL		µg/kg dry	773	2	"	"	"	"	X
88-75-5	2-Nitrophenol	BRL		µg/kg dry	773	2	"	"	"	"	X
100-02-7	4-Nitrophenol	BRL		µg/kg dry	3090	2	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	BRL		µg/kg dry	773	2	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/kg dry	773	2	"	"	"	"	X

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Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SBC-(2-4) SA84680-07	107307-3661-0110	Soil	16-Sep-08 11:30	17-Sep-08

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	773	2	SW846 8270C	19-Sep-08	23-Sep-08	8091410	X
87-86-5	Pentachlorophenol	BRL		µg/kg dry	773	2	"	"	"	"	X
85-01-8	Phenanthrene	2,260		µg/kg dry	773	2	"	"	"	"	X
108-95-2	Phenol	BRL		µg/kg dry	773	2	"	"	"	"	X
129-00-0	Pyrene	8,230		µg/kg dry	773	2	"	"	"	"	X
110-86-1	Pyridine	BRL		µg/kg dry	773	2	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	773	2	"	"	"	"	X
95-95-4	2,4,5-Trichlorophenol	BRL		µg/kg dry	773	2	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	BRL		µg/kg dry	773	2	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	BRL		µg/kg dry	773	2	"	"	"	"	
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	773	2	"	"	"	"	
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*55*		*30-130 %*			"	"	"	"	
367-12-4	*2-Fluorophenol*	*52*		*15-110 %*			"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*45*		*30-130 %*			"	"	"	"	
4165-62-2	*Phenol-d5*	*49*		*15-110 %*			"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*79*		*30-130 %*			"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*46*		*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	23.5	1	SW846 8082	22-Sep-08	23-Sep-08	8091560	X
11104-28-2	PCB 1221	BRL		µg/kg dry	23.5	1	"	"	"	"	X
11141-16-5	PCB 1232	BRL		µg/kg dry	23.5	1	"	"	"	"	X
53469-21-9	PCB 1242	BRL		µg/kg dry	23.5	1	"	"	"	"	X
12672-29-6	PCB 1248	BRL		µg/kg dry	23.5	1	"	"	"	"	X
11097-69-1	PCB 1254	BRL		µg/kg dry	23.5	1	"	"	"	"	X
11096-82-5	PCB 1260	BRL		µg/kg dry	23.5	1	"	"	"	"	X
37324-23-5	PCB 1262	BRL		µg/kg dry	23.5	1	"	"	"	"	
11100-14-4	PCB 1268	BRL		µg/kg dry	23.5	1	"	"	"	"	
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*73*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*94*		*30-150 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3550B											
8006-61-9	Gasoline	BRL		mg/kg dry	15.6	1	+CT ETPH	19-Sep-08	22-Sep-08	8091411	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	15.6	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	15.6	1	"	"	"	"	
68553-00-4	Fuel Oil #6	Calculated as		mg/kg dry	15.6	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	15.6	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	15.6	1	"	"	"	"	
	Unidentified	290		mg/kg dry	15.6	1	"	"	"	"	
	Other Oil	Calculated as		mg/kg dry	15.6	1	"	"	"	"	
	Total Petroleum Hydrocarbons	290		mg/kg dry	15.6	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	290		mg/kg dry	15.6	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*89*		*50-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											

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Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SBC-(2-4) SA84680-07	107307-3661-0110	Soil	16-Sep-08 11:30	17-Sep-08

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	1.70	1	SW846 6010B	24-Sep-08	26-Sep-08	8091835	X
7440-38-2	Arsenic	7.96		mg/kg dry	1.70	1	"	"	"	"	X
7440-39-3	Barium	104		mg/kg dry	1.13	1	"	"	"	"	X
7440-41-7	Beryllium	0.567		mg/kg dry	0.567	1	"	"	"	"	X
7440-43-9	Cadmium	1.22		mg/kg dry	0.567	1	"	"	"	"	X
7440-47-3	Chromium	41.3		mg/kg dry	1.13	1	"	"	"	"	X
7440-50-8	Copper	29.3		mg/kg dry	1.13	1	"	"	"	"	X
7439-97-6	Mercury	BRL		mg/kg dry	0.0348	1	SW846 7471A	"	26-Sep-08	8091836	X
7440-02-0	Nickel	20.6		mg/kg dry	1.13	1	SW846 6010B	"	26-Sep-08	8091835	X
7439-92-1	Lead	370		mg/kg dry	1.70	1	"	"	"	"	X
7440-36-0	Antimony	BRL		mg/kg dry	3.40	1	"	"	"	"	X
7782-49-2	Selenium	BRL		mg/kg dry	1.70	1	"	"	"	"	X
7440-28-0	Thallium	BRL		mg/kg dry	3.40	1	"	"	"	"	X
7440-62-2	Vanadium	40.7		mg/kg dry	1.70	1	"	"	"	"	X
7440-66-6	Zinc	82.7		mg/kg dry	1.13	1	"	"	"	"	X
SPLP Metals by EPA 1312 & 6000/7000 Series Methods											
	SPLP Extraction	Completed		N/A		1	SW846 1312	03-Oct-08	03-Oct-08	8100297	
7440-22-4	Silver	BRL		mg/l	0.0050	1	SW846 1312/6010B	06-Oct-08	06-Oct-08	8100369	X
7440-38-2	Arsenic	BRL		mg/l	0.0040	1	"	"	"	"	
7440-39-3	Barium	0.0161		mg/l	0.0050	1	"	"	"	"	
7440-41-7	Beryllium	BRL		mg/l	0.0020	1	"	"	"	"	
7440-43-9	Cadmium	BRL		mg/l	0.0025	1	"	"	"	"	
7440-47-3	Chromium	0.0126		mg/l	0.0050	1	"	"	"	"	
7440-50-8	Copper	0.0052		mg/l	0.0050	1	"	"	"	"	
7439-97-6	Mercury	BRL		mg/l	0.00020	1	SW846 1312/7470A	"	06-Oct-08	8100370	
7440-02-0	Nickel	BRL		mg/l	0.0050	1	SW846 1312/6010B	"	06-Oct-08	8100369	
7439-92-1	Lead	BRL		mg/l	0.0075	1	"	"	"	"	
7440-36-0	Antimony	BRL		mg/l	0.0060	1	"	"	"	"	
7782-49-2	Selenium	BRL		mg/l	0.0150	1	"	"	"	"	
7440-28-0	Thallium	BRL		mg/l	0.0050	1	"	"	"	"	
7440-62-2	Vanadium	BRL		mg/l	0.0050	1	"	"	"	"	
7440-66-6	Zinc	BRL		mg/l	0.0200	1	"	"	"	"	
General Chemistry Parameters											
	% Solids	84.2		%		1	SM2540 G Mod.	25-Sep-08	25-Sep-08	8091889	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SBA-(2-4) SA84680-08	107307-3661-0110	Soil	16-Sep-08 11:45	17-Sep-08

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	17-Sep-08	17-Sep-08	8091304	
Volatile Organic Compounds			VC10			Initial weight: 6.84 g					
Prepared by method SW846 5035A Soil (low level)											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	5.3	1	SW 846 8260B	18-Sep-08	18-Sep-08	8091368	
67-64-1	Acetone	BRL		µg/kg dry	52.6	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	"	"	"	"	
74-97-5	Bromochloromethane	BRL		µg/kg dry	5.3	1	"	"	"	"	
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	10.5	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	52.6	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	5.3	1	"	"	"	"	
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	5.3	1	"	"	"	"	
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	5.3	1	"	"	"	"	
75-15-0	Carbon disulfide	BRL		µg/kg dry	26.3	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	10.5	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	5.3	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	10.5	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	5.3	1	"	"	"	"	
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	5.3	1	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	10.5	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	"	"	"	"	
74-95-3	Dibromomethane	BRL		µg/kg dry	5.3	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	5.3	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	5.3	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	5.3	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	10.5	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	"	"	"	"	
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	5.3	1	"	"	"	"	
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	5.3	1	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	5.3	1	"	"	"	"	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	"	"	"	"	
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	52.6	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	5.3	1	"	"	"	"	
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	5.3	1	"	"	"	"	
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	5.3	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	52.6	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	52.6	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	5.3	1	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SBA-(2-4) SA84680-08	107307-3661-0110	Soil	16-Sep-08 11:45	17-Sep-08

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
Volatile Organic Compounds			VC10								
Prepared by method SW846 5035A Soil (low level)						Initial weight: 6.84 g					
103-65-1	n-Propylbenzene	BRL		µg/kg dry	5.3	1	SW 846 8260B	18-Sep-08	18-Sep-08	8091368	
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	6.1		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	"	"	"	"	
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	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	5.3	1	"	"	"	"	
75-01-4	Vinyl chloride	BRL		µg/kg dry	5.3	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	10.5	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	5.3	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	52.6	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	5.3	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	5.3	1	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	5.3	1	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	5.3	1	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	52.6	1	"	"	"	"	
123-91-1	1,4-Dioxane	BRL		µg/kg dry	105	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	26.3	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	2110	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*100*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*98*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*126*		*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	390	1	SW846 8270C	19-Sep-08	23-Sep-08	8091410	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	390	1	"	"	"	"	X
62-53-3	Aniline	BRL		µg/kg dry	390	1	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	390	1	"	"	"	"	X
1912-24-9	Atrazine	BRL		µg/kg dry	390	1	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/kg dry	390	1	"	"	"	"	
92-87-5	Benzidine	BRL		µg/kg dry	390	1	"	"	"	"	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	390	1	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	390	1	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	390	1	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	390	1	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	390	1	"	"	"	"	X
65-85-0	Benzoic acid	BRL		µg/kg dry	390	1	"	"	"	"	X
100-51-6	Benzyl alcohol	BRL		µg/kg dry	390	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SBA-(2-4) SA84680-08	107307-3661-0110	Soil	16-Sep-08 11:45	17-Sep-08

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	390	1	SW846 8270C	19-Sep-08	23-Sep-08	8091410	X
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/kg dry	390	1	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	390	1	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	390	1	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/kg dry	390	1	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	BRL		µg/kg dry	390	1	"	"	"	"	X
86-74-8	Carbazole	BRL		µg/kg dry	390	1	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	BRL		µg/kg dry	390	1	"	"	"	"	X
106-47-8	4-Chloroaniline	BRL		µg/kg dry	390	1	"	"	"	"	X
91-58-7	2-Chloronaphthalene	BRL		µg/kg dry	390	1	"	"	"	"	X
95-57-8	2-Chlorophenol	BRL		µg/kg dry	390	1	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/kg dry	390	1	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	390	1	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	390	1	"	"	"	"	X
132-64-9	Dibenzofuran	BRL		µg/kg dry	390	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	390	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	390	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	390	1	"	"	"	"	X
91-94-1	3,3´-Dichlorobenzidine	BRL		µg/kg dry	390	1	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	BRL		µg/kg dry	390	1	"	"	"	"	X
84-66-2	Diethyl phthalate	BRL		µg/kg dry	390	1	"	"	"	"	X
131-11-3	Dimethyl phthalate	BRL		µg/kg dry	390	1	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	BRL		µg/kg dry	390	1	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	BRL		µg/kg dry	390	1	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	390	1	"	"	"	"	
51-28-5	2,4-Dinitrophenol	BRL		µg/kg dry	390	1	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	BRL		µg/kg dry	390	1	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	BRL		µg/kg dry	390	1	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	BRL		µg/kg dry	390	1	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	390	1	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	390	1	"	"	"	"	X
118-74-1	Hexachlorobenzene	BRL		µg/kg dry	390	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	390	1	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	BRL		µg/kg dry	390	1	"	"	"	"	X
67-72-1	Hexachloroethane	BRL		µg/kg dry	390	1	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	390	1	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	390	1	"	"	"	"	
78-59-1	Isophorone	BRL		µg/kg dry	390	1	"	"	"	"	X
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	390	1	"	"	"	"	X
95-48-7	2-Methylphenol	BRL		µg/kg dry	390	1	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	BRL		µg/kg dry	390	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	390	1	"	"	"	"	X
88-74-4	2-Nitroaniline	BRL		µg/kg dry	390	1	"	"	"	"	X
99-09-2	3-Nitroaniline	BRL		µg/kg dry	390	1	"	"	"	"	X
100-01-6	4-Nitroaniline	BRL		µg/kg dry	1560	1	"	"	"	"	X
98-95-3	Nitrobenzene	BRL		µg/kg dry	390	1	"	"	"	"	X
88-75-5	2-Nitrophenol	BRL		µg/kg dry	390	1	"	"	"	"	X
100-02-7	4-Nitrophenol	BRL		µg/kg dry	1560	1	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	BRL		µg/kg dry	390	1	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/kg dry	390	1	"	"	"	"	X

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

* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SBA-(2-4) SA84680-08	107307-3661-0110	Soil	16-Sep-08 11:45	17-Sep-08

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	390	1	SW846 8270C	19-Sep-08	23-Sep-08	8091410	X
87-86-5	Pentachlorophenol	BRL		µg/kg dry	390	1	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	390	1	"	"	"	"	X
108-95-2	Phenol	BRL		µg/kg dry	390	1	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	390	1	"	"	"	"	X
110-86-1	Pyridine	BRL		µg/kg dry	390	1	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	390	1	"	"	"	"	X
95-95-4	2,4,5-Trichlorophenol	BRL		µg/kg dry	390	1	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	BRL		µg/kg dry	390	1	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	BRL		µg/kg dry	390	1	"	"	"	"	
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	390	1	"	"	"	"	
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*72*		*30-130 %*			"	"	"	"	
367-12-4	*2-Fluorophenol*	*73*		*15-110 %*			"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*65*		*30-130 %*			"	"	"	"	
4165-62-2	*Phenol-d5*	*70*		*15-110 %*			"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*90*		*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 3545A											
12674-11-2	PCB 1016	BRL		µg/kg dry	22.8	1	SW846 8082	22-Sep-08	23-Sep-08	8091560	X
11104-28-2	PCB 1221	BRL		µg/kg dry	22.8	1	"	"	"	"	X
11141-16-5	PCB 1232	BRL		µg/kg dry	22.8	1	"	"	"	"	X
53469-21-9	PCB 1242	BRL		µg/kg dry	22.8	1	"	"	"	"	X
12672-29-6	PCB 1248	BRL		µg/kg dry	22.8	1	"	"	"	"	X
11097-69-1	PCB 1254	BRL		µg/kg dry	22.8	1	"	"	"	"	X
11096-82-5	PCB 1260	BRL		µg/kg dry	22.8	1	"	"	"	"	X
37324-23-5	PCB 1262	BRL		µg/kg dry	22.8	1	"	"	"	"	
11100-14-4	PCB 1268	BRL		µg/kg dry	22.8	1	"	"	"	"	
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*81*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*84*		*30-150 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3550B											
8006-61-9	Gasoline	BRL		mg/kg dry	15.7	1	+CT ETPH	19-Sep-08	22-Sep-08	8091411	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	15.7	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	15.7	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	15.7	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	15.7	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	15.7	1	"	"	"	"	
	Unidentified	BRL		mg/kg dry	15.7	1	"	"	"	"	
	Other Oil	BRL		mg/kg dry	15.7	1	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL		mg/kg dry	15.7	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	15.7	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*74*		*50-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SBA-(2-4) SA84680-08	107307-3661-0110	Soil	16-Sep-08 11:45	17-Sep-08

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	24-Sep-08	26-Sep-08	8091835	X
7440-38-2	Arsenic	1.64		mg/kg dry	1.56	1	"	"	"	"	X
7440-39-3	Barium	104		mg/kg dry	1.04	1	"	"	"	"	X
7440-41-7	Beryllium	0.680		mg/kg dry	0.519	1	"	"	"	"	X
7440-43-9	Cadmium	0.738		mg/kg dry	0.519	1	"	"	"	"	X
7440-47-3	Chromium	31.4		mg/kg dry	1.04	1	"	"	"	"	X
7440-50-8	Copper	13.1		mg/kg dry	1.04	1	"	"	"	"	X
7439-97-6	Mercury	BRL		mg/kg dry	0.0320	1	SW846 7471A	"	26-Sep-08	8091836	X
7440-02-0	Nickel	14.2		mg/kg dry	1.04	1	SW846 6010B	"	26-Sep-08	8091835	X
7439-92-1	Lead	9.78		mg/kg dry	1.56	1	"	"	"	"	X
7440-36-0	Antimony	BRL		mg/kg dry	3.12	1	"	"	"	"	X
7782-49-2	Selenium	BRL		mg/kg dry	1.56	1	"	"	"	"	X
7440-28-0	Thallium	BRL		mg/kg dry	3.12	1	"	"	"	"	X
7440-62-2	Vanadium	37.2		mg/kg dry	1.56	1	"	"	"	"	X
7440-66-6	Zinc	52.0		mg/kg dry	1.04	1	"	"	"	"	X
SPLP Metals by EPA 1312 & 6000/7000 Series Methods											
	SPLP Extraction	Completed		N/A		1	SW846 1312	03-Oct-08	03-Oct-08	8100297	
7440-22-4	Silver	BRL		mg/l	0.0050	1	SW846 1312/6010B	06-Oct-08	06-Oct-08	8100369	X
7440-38-2	Arsenic	BRL		mg/l	0.0040	1	"	"	"	"	
7440-39-3	Barium	BRL		mg/l	0.0050	1	"	"	"	"	
7440-41-7	Beryllium	BRL		mg/l	0.0020	1	"	"	"	"	
7440-43-9	Cadmium	BRL		mg/l	0.0025	1	"	"	"	"	
7440-47-3	Chromium	BRL		mg/l	0.0050	1	"	"	"	"	
7440-50-8	Copper	BRL		mg/l	0.0050	1	"	"	"	"	
7439-97-6	Mercury	BRL		mg/l	0.00020	1	SW846 1312/7470A	"	06-Oct-08	8100370	
7440-02-0	Nickel	BRL		mg/l	0.0050	1	SW846 1312/6010B	"	06-Oct-08	8100369	
7439-92-1	Lead	BRL		mg/l	0.0075	1	"	"	"	"	
7440-36-0	Antimony	BRL		mg/l	0.0060	1	"	"	"	"	
7782-49-2	Selenium	BRL		mg/l	0.0150	1	"	"	"	"	
7440-28-0	Thallium	BRL		mg/l	0.0050	1	"	"	"	"	
7440-62-2	Vanadium	BRL		mg/l	0.0050	1	"	"	"	"	
7440-66-6	Zinc	BRL		mg/l	0.0200	1	"	"	"	"	
General Chemistry Parameters											
	% Solids	84.3		%		1	SM2540 G Mod.	25-Sep-08	25-Sep-08	8091889	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-1 SA84680-09	107307-3661-0110	Ground Water	16-Sep-08 09:45	17-Sep-08

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Volatile Organic Compounds											
Volatile Organic Compounds											
Prepared by method SW846 5030 Water MS											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/l	1.0	1	SW 846 8260B	18-Sep-08	19-Sep-08	8091370	
67-64-1	Acetone	BRL		µg/l	10.0	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/l	0.5	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/l	1.0	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/l	1.0	1	"	"	"	"	
74-97-5	Bromochloromethane	BRL		µg/l	1.0	1	"	"	"	"	
75-27-4	Bromodichloromethane	BRL		µg/l	0.5	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/l	1.0	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/l	2.0	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/l	10.0	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/l	1.0	1	"	"	"	"	
135-98-8	sec-Butylbenzene	BRL		µg/l	1.0	1	"	"	"	"	
98-06-6	tert-Butylbenzene	BRL		µg/l	1.0	1	"	"	"	"	
75-15-0	Carbon disulfide	BRL		µg/l	5.0	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/l	1.0	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/l	2.0	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/l	1.0	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/l	2.0	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/l	1.0	1	"	"	"	"	
106-43-4	4-Chlorotoluene	BRL		µg/l	1.0	1	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/l	2.0	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/l	0.5	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/l	0.5	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/l	1.0	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/l	2.0	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/l	1.0	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/l	1.0	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/l	1.0	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/l	1.0	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/l	1.0	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/l	1.0	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/l	1.0	1	"	"	"	"	
594-20-7	2,2-Dichloropropane	BRL		µg/l	1.0	1	"	"	"	"	
563-58-6	1,1-Dichloropropene	BRL		µg/l	1.0	1	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/l	0.5	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/l	0.5	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/l	1.0	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/l	0.5	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/l	10.0	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/l	1.0	1	"	"	"	"	
99-87-6	4-Isopropyltoluene	BRL		µg/l	1.0	1	"	"	"	"	
1634-04-4	Methyl tert-butyl ether	BRL		µg/l	1.0	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/l	10.0	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/l	5.0	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/l	1.0	1	"	"	"	"	X
103-65-1	n-Propylbenzene	BRL		µg/l	1.0	1	"	"	"	"	

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-1 SA84680-09	107307-3661-0110	Ground Water	16-Sep-08 09:45	17-Sep-08

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Volatile Organic Compounds											
Volatile Organic Compounds											
Prepared by method SW846 5030 Water MS											
100-42-5	Styrene	BRL		µg/l	1.0	1	SW 846 8260B	18-Sep-08	19-Sep-08	8091370	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/l	1.0	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/l	0.5	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/l	1.0	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/l	1.0	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/l	1.0	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/l	1.0	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/l	1.0	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/l	1.0	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/l	1.0	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/l	1.0	1	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/l	1.0	1	"	"	"	"	
75-01-4	Vinyl chloride	BRL		µg/l	1.0	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/l	2.0	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/l	1.0	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/l	10.0	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/l	1.0	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/l	1.0	1	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/l	1.0	1	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/l	1.0	1	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/l	10.0	1	"	"	"	"	
123-91-1	1,4-Dioxane	BRL		µg/l	20.0	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/l	5.0	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/l	400	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*92*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*103*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*104*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*101*		*70-130 %*			"	"	"	"	
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3510C											
83-32-9	Acenaphthene	BRL		µg/l	5.56	1	SW846 8270C	19-Sep-08	24-Sep-08	8091469	X
208-96-8	Acenaphthylene	BRL		µg/l	5.56	1	"	"	"	"	X
62-53-3	Aniline	BRL		µg/l	5.56	1	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/l	5.56	1	"	"	"	"	X
1912-24-9	Atrazine	BRL		µg/l	5.56	1	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/l	5.56	1	"	"	"	"	
92-87-5	Benzidine	BRL		µg/l	5.56	1	"	"	"	"	X
56-55-3	Benzo (a) anthracene	BRL		µg/l	5.56	1	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/l	5.56	1	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/l	5.56	1	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/l	5.56	1	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/l	5.56	1	"	"	"	"	X
65-85-0	Benzoic acid	BRL		µg/l	5.56	1	"	"	"	"	X
100-51-6	Benzyl alcohol	BRL		µg/l	5.56	1	"	"	"	"	X
111-91-1	Bis(2-chloroethoxy)methane	BRL		µg/l	5.56	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-1	107307-3661-0110	Ground Water	16-Sep-08 09:45	17-Sep-08
SA84680-09				

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 3510C											
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/l	5.56	1	SW846 8270C	19-Sep-08	24-Sep-08	8091469	X
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/l	5.56	1	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/l	5.56	1	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/l	5.56	1	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	BRL		µg/l	5.56	1	"	"	"	"	X
86-74-8	Carbazole	BRL		µg/l	5.56	1	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	BRL		µg/l	5.56	1	"	"	"	"	X
106-47-8	4-Chloroaniline	BRL		µg/l	5.56	1	"	"	"	"	X
91-58-7	2-Chloronaphthalene	BRL		µg/l	5.56	1	"	"	"	"	X
95-57-8	2-Chlorophenol	BRL		µg/l	5.56	1	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/l	5.56	1	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/l	5.56	1	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/l	5.56	1	"	"	"	"	X
132-64-9	Dibenzofuran	BRL		µg/l	5.56	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/l	5.56	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/l	5.56	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/l	5.56	1	"	"	"	"	X
91-94-1	3,3'-Dichlorobenzidine	BRL		µg/l	5.56	1	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	BRL		µg/l	5.56	1	"	"	"	"	X
84-66-2	Diethyl phthalate	BRL		µg/l	5.56	1	"	"	"	"	X
131-11-3	Dimethyl phthalate	BRL		µg/l	5.56	1	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	BRL		µg/l	5.56	1	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	BRL		µg/l	5.56	1	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/l	5.56	1	"	"	"	"	
51-28-5	2,4-Dinitrophenol	BRL		µg/l	5.56	1	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	BRL		µg/l	5.56	1	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	BRL		µg/l	5.56	1	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	BRL		µg/l	5.56	1	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/l	5.56	1	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/l	5.56	1	"	"	"	"	X
118-74-1	Hexachlorobenzene	BRL		µg/l	5.56	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/l	5.56	1	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	BRL		µg/l	5.56	1	"	"	"	"	X
67-72-1	Hexachloroethane	BRL		µg/l	5.56	1	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/l	5.56	1	"	"	"	"	X
78-59-1	Isophorone	BRL		µg/l	5.56	1	"	"	"	"	X
91-57-6	2-Methylnaphthalene	BRL		µg/l	5.56	1	"	"	"	"	X
95-48-7	2-Methylphenol	BRL		µg/l	5.56	1	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	BRL		µg/l	11.1	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/l	5.56	1	"	"	"	"	X
88-74-4	2-Nitroaniline	BRL		µg/l	5.56	1	"	"	"	"	X
99-09-2	3-Nitroaniline	BRL		µg/l	5.56	1	"	"	"	"	X
100-01-6	4-Nitroaniline	BRL		µg/l	22.2	1	"	"	"	"	X
98-95-3	Nitrobenzene	BRL		µg/l	5.56	1	"	"	"	"	X
88-75-5	2-Nitrophenol	BRL		µg/l	5.56	1	"	"	"	"	X
100-02-7	4-Nitrophenol	BRL		µg/l	22.2	1	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	BRL		µg/l	5.56	1	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/l	5.56	1	"	"	"	"	X
86-30-6	N-Nitrosodiphenylamine	BRL		µg/l	5.56	1	"	"	"	"	X
87-86-5	Pentachlorophenol	BRL		µg/l	22.2	1	"	"	"	"	X

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-1 SA84680-09	107307-3661-0110	Ground Water	16-Sep-08 09:45	17-Sep-08

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 3510C											
85-01-8	Phenanthrene	BRL		µg/l	5.56	1	SW846 8270C	19-Sep-08	24-Sep-08	8091469	X
108-95-2	Phenol	BRL		µg/l	5.56	1	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/l	5.56	1	"	"	"	"	X
110-86-1	Pyridine	BRL		µg/l	5.56	1	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/l	5.56	1	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/l	5.56	1	"	"	"	"	
95-95-4	2,4,5-Trichlorophenol	BRL		µg/l	5.56	1	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	BRL		µg/l	5.56	1	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	BRL		µg/l	5.56	1	"	"	"	"	
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/l	5.56	1	"	"	"	"	
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*39*		*30-130 %*			"	"	"	"	
367-12-4	*2-Fluorophenol*	*38*		*15-110 %*			"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*40*		*30-130 %*			"	"	"	"	
4165-62-2	*Phenol-d5*	*42*		*15-110 %*			"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*39*		*30-130 %*			"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*28*		*15-110 %*			"	"	"	"	
Semivolatile Organic Compounds by GC											
Polychlorinated Biphenyls by SW846 8082											
Prepared by method SW846 3510C											
12674-11-2	PCB 1016	BRL		µg/l	0.211	1	SW846 8082	19-Sep-08	20-Sep-08	8091422	X
11104-28-2	PCB 1221	BRL		µg/l	0.211	1	"	"	"	"	X
11141-16-5	PCB 1232	BRL		µg/l	0.211	1	"	"	"	"	X
53469-21-9	PCB 1242	BRL		µg/l	0.211	1	"	"	"	"	X
12672-29-6	PCB 1248	BRL		µg/l	0.211	1	"	"	"	"	X
11097-69-1	PCB 1254	BRL		µg/l	0.211	1	"	"	"	"	X
11096-82-5	PCB 1260	BRL		µg/l	0.211	1	"	"	"	"	X
37324-23-5	PCB 1262	BRL		µg/l	0.211	1	"	"	"	"	X
11100-14-4	PCB 1268	BRL		µg/l	0.211	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*59*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*79*		*30-150 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3510C											
8006-61-9	Gasoline	BRL		mg/l	0.1	1	+CT ETPH	19-Sep-08	25-Sep-08	8091463	
68476-30-2	Fuel Oil #2	BRL		mg/l	0.1	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/l	0.1	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/l	0.1	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/l	0.1	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/l	0.1	1	"	"	"	"	
	Unidentified	BRL		mg/l	0.1	1	"	"	"	"	
	Other Oil	BRL		mg/l	0.1	1	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL		mg/l	0.1	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	BRL		mg/l	0.1	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*86*		*50-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	BRL		mg/l	0.0050	1	SW846 6010B	25-Sep-08	26-Sep-08	8091698	X

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-1 SA84680-09	107307-3661-0110	Ground Water	16-Sep-08 09:45	17-Sep-08

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Total Metals by EPA 6000/7000 Series Methods											
7440-38-2	Arsenic	BRL		mg/l	0.0040	1	SW846 6010B	25-Sep-08	26-Sep-08	8091698	X
7440-39-3	Barium	0.0444		mg/l	0.0050	1	"	"	"	"	X
7440-41-7	Beryllium	BRL		mg/l	0.0020	1	"	"	26-Sep-08	"	X
7440-43-9	Cadmium	BRL		mg/l	0.0025	1	"	"	26-Sep-08	"	X
7440-47-3	Chromium	BRL		mg/l	0.0050	1	"	"	"	"	X
7440-50-8	Copper	BRL		mg/l	0.0050	1	"	"	26-Sep-08	"	X
7440-02-0	Nickel	BRL		mg/l	0.0050	1	"	"	26-Sep-08	"	X
7439-92-1	Lead	BRL		mg/l	0.0075	1	"	"	"	"	X
7440-36-0	Antimony	BRL		mg/l	0.0060	1	"	"	"	"	X
7782-49-2	Selenium	BRL		mg/l	0.0150	1	"	"	"	"	X
7440-28-0	Thallium	BRL		mg/l	0.0050	1	"	"	26-Sep-08	"	X
7440-62-2	Vanadium	BRL		mg/l	0.0050	1	"	"	26-Sep-08	"	X
7440-66-6	Zinc	0.0116		mg/l	0.0050	1	"	"	"	"	X
Total Metals by EPA 200 Series Methods											
7439-97-6	Mercury	BRL		mg/l	0.00020	1	EPA 245.1/7470A	25-Sep-08	25-Sep-08	8091699	X

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8091330 - SW846 5030 Water MS										
Blank (8091330-BLK1)										
Prepared & Analyzed: 18-Sep-08										
1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/l	1.0						
Acetone	BRL		µg/l	10.0						
Acrylonitrile	BRL		µg/l	0.5						
Benzene	BRL		µg/l	1.0						
Bromobenzene	BRL		µg/l	1.0						
Bromochloromethane	BRL		µg/l	1.0						
Bromodichloromethane	BRL		µg/l	0.5						
Bromoform	BRL		µg/l	1.0						
Bromomethane	BRL		µg/l	2.0						
2-Butanone (MEK)	BRL		µg/l	10.0						
n-Butylbenzene	BRL		µg/l	1.0						
sec-Butylbenzene	BRL		µg/l	1.0						
tert-Butylbenzene	BRL		µg/l	1.0						
Carbon disulfide	BRL		µg/l	5.0						
Carbon tetrachloride	BRL		µg/l	1.0						
Chlorobenzene	BRL		µg/l	1.0						
Chloroethane	BRL		µg/l	2.0						
Chloroform	BRL		µg/l	1.0						
Chloromethane	BRL		µg/l	2.0						
2-Chlorotoluene	BRL		µg/l	1.0						
4-Chlorotoluene	BRL		µg/l	1.0						
1,2-Dibromo-3-chloropropane	BRL		µg/l	2.0						
Dibromochloromethane	BRL		µg/l	0.5						
1,2-Dibromoethane (EDB)	BRL		µg/l	0.5						
Dibromomethane	BRL		µg/l	1.0						
1,2-Dichlorobenzene	BRL		µg/l	1.0						
1,3-Dichlorobenzene	BRL		µg/l	1.0						
1,4-Dichlorobenzene	BRL		µg/l	1.0						
Dichlorodifluoromethane (Freon12)	BRL		µg/l	2.0						
1,1-Dichloroethane	BRL		µg/l	1.0						
1,2-Dichloroethane	BRL		µg/l	1.0						
1,1-Dichloroethene	BRL		µg/l	1.0						
cis-1,2-Dichloroethene	BRL		µg/l	1.0						
trans-1,2-Dichloroethene	BRL		µg/l	1.0						
1,2-Dichloropropane	BRL		µg/l	1.0						
1,3-Dichloropropane	BRL		µg/l	1.0						
2,2-Dichloropropane	BRL		µg/l	1.0						
1,1-Dichloropropene	BRL		µg/l	1.0						
cis-1,3-Dichloropropene	BRL		µg/l	0.5						
trans-1,3-Dichloropropene	BRL		µg/l	0.5						
Ethylbenzene	BRL		µg/l	1.0						
Hexachlorobutadiene	BRL		µg/l	0.5						
2-Hexanone (MBK)	BRL		µg/l	10.0						
Isopropylbenzene	BRL		µg/l	1.0						
4-Isopropyltoluene	BRL		µg/l	1.0						
Methyl tert-butyl ether	BRL		µg/l	1.0						
4-Methyl-2-pentanone (MIBK)	BRL		µg/l	10.0						
Methylene chloride	BRL		µg/l	5.0						
Naphthalene	BRL		µg/l	1.0						

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8091330 - SW846 5030 Water MS										
Blank (8091330-BLK1)										
Prepared & Analyzed: 18-Sep-08										
n-Propylbenzene	BRL		µg/l	1.0						
Styrene	BRL		µg/l	1.0						
1,1,1,2-Tetrachloroethane	BRL		µg/l	1.0						
1,1,2,2-Tetrachloroethane	BRL		µg/l	0.5						
Tetrachloroethene	BRL		µg/l	1.0						
Toluene	BRL		µg/l	1.0						
1,2,3-Trichlorobenzene	BRL		µg/l	1.0						
1,2,4-Trichlorobenzene	BRL		µg/l	1.0						
1,3,5-Trichlorobenzene	BRL		µg/l	1.0						
1,1,1-Trichloroethane	BRL		µg/l	1.0						
1,1,2-Trichloroethane	BRL		µg/l	1.0						
Trichloroethene	BRL		µg/l	1.0						
Trichlorofluoromethane (Freon 11)	BRL		µg/l	1.0						
1,2,3-Trichloropropane	BRL		µg/l	1.0						
1,2,4-Trimethylbenzene	BRL		µg/l	1.0						
1,3,5-Trimethylbenzene	BRL		µg/l	1.0						
Vinyl chloride	BRL		µg/l	1.0						
m,p-Xylene	BRL		µg/l	2.0						
o-Xylene	BRL		µg/l	1.0						
Tetrahydrofuran	BRL		µg/l	10.0						
Ethyl ether	BRL		µg/l	1.0						
Tert-amyl methyl ether	BRL		µg/l	1.0						
Ethyl tert-butyl ether	BRL		µg/l	1.0						
Di-isopropyl ether	BRL		µg/l	1.0						
Tert-Butanol / butyl alcohol	BRL		µg/l	10.0						
1,4-Dioxane	BRL		µg/l	20.0						
trans-1,4-Dichloro-2-butene	BRL		µg/l	5.0						
Ethanol	BRL		µg/l	400						
Surrogate: 4-Bromofluorobenzene	*50.2*		µg/l		*50.0*		*100*	*70-130*		
Surrogate: Toluene-d8	*49.1*		µg/l		*50.0*		*98*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*51.7*		µg/l		*50.0*		*103*	*70-130*		
Surrogate: Dibromofluoromethane	*51.0*		µg/l		*50.0*		*102*	*70-130*		
LCS (8091330-BS1)										
Prepared & Analyzed: 18-Sep-08										
1,1,2-Trichlorotrifluoroethane (Freon 113)	21.7		µg/l		20.0		109	70-130		
Acetone	12.8		µg/l		20.0		64	5.22-177		
Acrylonitrile	15.8		µg/l		20.0		79	70-130		
Benzene	22.0		µg/l		20.0		110	70-130		
Bromobenzene	21.6		µg/l		20.0		108	70-130		
Bromochloromethane	22.3		µg/l		20.0		112	70-130		
Bromodichloromethane	23.9		µg/l		20.0		119	70-130		
Bromoform	21.8		µg/l		20.0		109	70-130		
Bromomethane	17.8		µg/l		20.0		89	20.3-173		
2-Butanone (MEK)	22.0		µg/l		20.0		110	40.1-155		
n-Butylbenzene	21.6		µg/l		20.0		108	70-130		
sec-Butylbenzene	21.9		µg/l		20.0		110	70-130		
tert-Butylbenzene	23.2		µg/l		20.0		116	70-130		
Carbon disulfide	17.1		µg/l		20.0		86	70-130		
Carbon tetrachloride	22.9		µg/l		20.0		114	70-130		
Chlorobenzene	21.7		µg/l		20.0		108	70-130		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8091330 - SW846 5030 Water MS										
LCS (8091330-BS1)										
Prepared & Analyzed: 18-Sep-08										
Chloroethane	16.3		µg/l		20.0		81	58.8-137		
Chloroform	21.1		µg/l		20.0		105	70-130		
Chloromethane	17.0		µg/l		20.0		85	70-130		
2-Chlorotoluene	23.6		µg/l		20.0		118	70-130		
4-Chlorotoluene	22.5		µg/l		20.0		112	70-130		
1,2-Dibromo-3-chloropropane	23.3		µg/l		20.0		116	70-130		
Dibromochloromethane	24.4		µg/l		20.0		122	70-150		
1,2-Dibromoethane (EDB)	23.1		µg/l		20.0		116	70-130		
Dibromomethane	22.4		µg/l		20.0		112	70-130		
1,2-Dichlorobenzene	23.4		µg/l		20.0		117	70-130		
1,3-Dichlorobenzene	22.0		µg/l		20.0		110	70-130		
1,4-Dichlorobenzene	22.4		µg/l		20.0		112	70-130		
Dichlorodifluoromethane (Freon12)	20.6		µg/l		20.0		103	40.4-181		
1,1-Dichloroethane	22.5		µg/l		20.0		113	70-130		
1,2-Dichloroethane	21.8		µg/l		20.0		109	70-130		
1,1-Dichloroethene	20.2		µg/l		20.0		101	70-130		
cis-1,2-Dichloroethene	23.6		µg/l		20.0		118	70-130		
trans-1,2-Dichloroethene	21.6		µg/l		20.0		108	70-130		
1,2-Dichloropropane	21.2		µg/l		20.0		106	70-130		
1,3-Dichloropropane	21.5		µg/l		20.0		107	70-130		
2,2-Dichloropropane	25.7		µg/l		20.0		128	70-130		
1,1-Dichloropropene	22.4		µg/l		20.0		112	70-130		
cis-1,3-Dichloropropene	21.1		µg/l		20.0		105	70-130		
trans-1,3-Dichloropropene	21.4		µg/l		20.0		107	70-130		
Ethylbenzene	22.8		µg/l		20.0		114	70-130		
Hexachlorobutadiene	22.2		µg/l		20.0		111	65.3-143		
2-Hexanone (MBK)	18.7		µg/l		20.0		93	70-130		
Isopropylbenzene	21.0		µg/l		20.0		105	70-130		
4-Isopropyltoluene	24.6		µg/l		20.0		123	70-130		
Methyl tert-butyl ether	23.1		µg/l		20.0		116	70-130		
4-Methyl-2-pentanone (MIBK)	19.7		µg/l		20.0		98	43.7-137		
Methylene chloride	17.6		µg/l		20.0		88	70-130		
Naphthalene	21.0		µg/l		20.0		105	70-130		
n-Propylbenzene	22.3		µg/l		20.0		112	70-130		
Styrene	22.0		µg/l		20.0		110	70-130		
1,1,1,2-Tetrachloroethane	21.3		µg/l		20.0		106	70-130		
1,1,2,2-Tetrachloroethane	22.3		µg/l		20.0		112	70-130		
Tetrachloroethene	21.2		µg/l		20.0		106	70-130		
Toluene	21.3		µg/l		20.0		107	70-130		
1,2,3-Trichlorobenzene	21.2		µg/l		20.0		106	70-130		
1,2,4-Trichlorobenzene	20.6		µg/l		20.0		103	70-130		
1,3,5-Trichlorobenzene	20.8		µg/l		20.0		104	70-130		
1,1,1-Trichloroethane	23.2		µg/l		20.0		116	70-130		
1,1,2-Trichloroethane	22.4		µg/l		20.0		112	70-130		
Trichloroethene	22.4		µg/l		20.0		112	70-130		
Trichlorofluoromethane (Freon 11)	21.3		µg/l		20.0		106	65.3-144		
1,2,3-Trichloropropane	24.4		µg/l		20.0		122	70-130		
1,2,4-Trimethylbenzene	22.6		µg/l		20.0		113	70-130		
1,3,5-Trimethylbenzene	22.7		µg/l		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 8091330 - SW846 5030 Water MS										
LCS (8091330-BS1)										
Prepared & Analyzed: 18-Sep-08										
Vinyl chloride	19.0		µg/l		20.0		95	70-130		
m,p-Xylene	45.6		µg/l		40.0		114	70-130		
o-Xylene	22.5		µg/l		20.0		112	70-130		
Tetrahydrofuran	18.4		µg/l		20.0		92	70-130		
Ethyl ether	17.7		µg/l		20.0		88	70-132		
Tert-amyl methyl ether	16.4		µg/l		20.0		82	70-130		
Ethyl tert-butyl ether	23.6		µg/l		20.0		118	70-130		
Di-isopropyl ether	19.7		µg/l		20.0		99	70-130		
Tert-Butanol / butyl alcohol	221		µg/l		200		110	70-130		
1,4-Dioxane	204		µg/l		200		102	43.1-144		
trans-1,4-Dichloro-2-butene	18.8		µg/l		20.0		94	70-130		
Ethanol	390		µg/l		400		98	70-130		
Surrogate: 4-Bromofluorobenzene	*50.4*		µg/l		*50.0*		*101*	*70-130*		
Surrogate: Toluene-d8	*48.5*		µg/l		*50.0*		*97*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*50.2*		µg/l		*50.0*		*100*	*70-130*		
Surrogate: Dibromofluoromethane	*51.6*		µg/l		*50.0*		*103*	*70-130*		
LCS Dup (8091330-BSD1)										
Prepared & Analyzed: 18-Sep-08										
1,1,2-Trichlorotrifluoroethane (Freon 113)	19.9		µg/l		20.0		100	70-130	9	25
Acetone	13.3		µg/l		20.0		66	5.22-177	3	50
Acrylonitrile	15.9		µg/l		20.0		79	70-130	0.5	25
Benzene	20.6		µg/l		20.0		103	70-130	7	25
Bromobenzene	20.7		µg/l		20.0		104	70-130	4	25
Bromochloromethane	21.4		µg/l		20.0		107	70-130	4	25
Bromodichloromethane	22.6		µg/l		20.0		113	70-130	6	25
Bromoform	20.9		µg/l		20.0		104	70-130	4	25
Bromomethane	16.3		µg/l		20.0		81	20.3-173	9	50
2-Butanone (MEK)	19.8		µg/l		20.0		99	40.1-155	11	50
n-Butylbenzene	20.1		µg/l		20.0		101	70-130	7	25
sec-Butylbenzene	20.3		µg/l		20.0		102	70-130	7	25
tert-Butylbenzene	21.6		µg/l		20.0		108	70-130	7	25
Carbon disulfide	15.8		µg/l		20.0		79	70-130	8	25
Carbon tetrachloride	21.3		µg/l		20.0		106	70-130	7	25
Chlorobenzene	20.8		µg/l		20.0		104	70-130	4	25
Chloroethane	15.5		µg/l		20.0		77	58.8-137	5	50
Chloroform	19.7		µg/l		20.0		98	70-130	7	25
Chloromethane	15.9		µg/l		20.0		80	70-130	7	25
2-Chlorotoluene	20.6		µg/l		20.0		103	70-130	14	25
4-Chlorotoluene	21.1		µg/l		20.0		105	70-130	6	25
1,2-Dibromo-3-chloropropane	22.6		µg/l		20.0		113	70-130	3	25
Dibromochloromethane	23.5		µg/l		20.0		118	70-150	3	50
1,2-Dibromoethane (EDB)	22.8		µg/l		20.0		114	70-130	1	25
Dibromomethane	21.1		µg/l		20.0		106	70-130	6	25
1,2-Dichlorobenzene	22.2		µg/l		20.0		111	70-130	6	25
1,3-Dichlorobenzene	21.2		µg/l		20.0		106	70-130	4	25
1,4-Dichlorobenzene	20.6		µg/l		20.0		103	70-130	8	25
Dichlorodifluoromethane (Freon12)	19.2		µg/l		20.0		96	40.4-181	7	50
1,1-Dichloroethane	21.3		µg/l		20.0		107	70-130	5	25
1,2-Dichloroethane	21.2		µg/l		20.0		106	70-130	3	25
1,1-Dichloroethene	18.3		µg/l		20.0		92	70-130	10	25

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8091330 - SW846 5030 Water MS										
LCS Dup (8091330-BSD1)										
Prepared & Analyzed: 18-Sep-08										
cis-1,2-Dichloroethene	21.6		µg/l		20.0		108	70-130	9	25
trans-1,2-Dichloroethene	19.9		µg/l		20.0		99	70-130	9	25
1,2-Dichloropropane	20.1		µg/l		20.0		101	70-130	5	25
1,3-Dichloropropane	20.8		µg/l		20.0		104	70-130	3	25
2,2-Dichloropropane	23.9		µg/l		20.0		119	70-130	7	25
1,1-Dichloropropene	20.6		µg/l		20.0		103	70-130	8	25
cis-1,3-Dichloropropene	20.3		µg/l		20.0		102	70-130	4	25
trans-1,3-Dichloropropene	20.4		µg/l		20.0		102	70-130	5	25
Ethylbenzene	21.4		µg/l		20.0		107	70-130	7	25
Hexachlorobutadiene	20.5		µg/l		20.0		103	65.3-143	8	50
2-Hexanone (MBK)	17.6		µg/l		20.0		88	70-130	6	25
Isopropylbenzene	19.6		µg/l		20.0		98	70-130	7	25
4-Isopropyltoluene	23.0		µg/l		20.0		115	70-130	7	25
Methyl tert-butyl ether	22.2		µg/l		20.0		111	70-130	4	25
4-Methyl-2-pentanone (MIBK)	19.4		µg/l		20.0		97	43.7-137	2	50
Methylene chloride	16.6		µg/l		20.0		83	70-130	6	25
Naphthalene	20.0		µg/l		20.0		100	70-130	5	25
n-Propylbenzene	21.2		µg/l		20.0		106	70-130	5	25
Styrene	20.9		µg/l		20.0		104	70-130	5	25
1,1,1,2-Tetrachloroethane	20.5		µg/l		20.0		103	70-130	4	25
1,1,2,2-Tetrachloroethane	21.6		µg/l		20.0		108	70-130	3	25
Tetrachloroethene	19.6		µg/l		20.0		98	70-130	8	25
Toluene	20.1		µg/l		20.0		100	70-130	6	25
1,2,3-Trichlorobenzene	20.0		µg/l		20.0		100	70-130	6	25
1,2,4-Trichlorobenzene	19.6		µg/l		20.0		98	70-130	5	25
1,3,5-Trichlorobenzene	19.1		µg/l		20.0		96	70-130	8	25
1,1,1-Trichloroethane	21.8		µg/l		20.0		109	70-130	6	25
1,1,2-Trichloroethane	21.4		µg/l		20.0		107	70-130	5	25
Trichloroethene	20.3		µg/l		20.0		102	70-130	10	25
Trichlorofluoromethane (Freon 11)	19.9		µg/l		20.0		100	65.3-144	7	50
1,2,3-Trichloropropane	23.2		µg/l		20.0		116	70-130	5	25
1,2,4-Trimethylbenzene	21.1		µg/l		20.0		105	70-130	7	25
1,3,5-Trimethylbenzene	21.2		µg/l		20.0		106	70-130	7	25
Vinyl chloride	17.3		µg/l		20.0		86	70-130	10	25
m,p-Xylene	42.2		µg/l		40.0		106	70-130	8	25
o-Xylene	21.1		µg/l		20.0		105	70-130	7	25
Tetrahydrofuran	18.0		µg/l		20.0		90	70-130	2	25
Ethyl ether	16.7		µg/l		20.0		84	70-132	5	50
Tert-amyl methyl ether	15.4		µg/l		20.0		77	70-130	6	25
Ethyl tert-butyl ether	22.7		µg/l		20.0		114	70-130	4	25
Di-isopropyl ether	18.6		µg/l		20.0		93	70-130	6	25
Tert-Butanol / butyl alcohol	206		µg/l		200		103	70-130	7	25
1,4-Dioxane	203		µg/l		200		102	43.1-144	0.6	25
trans-1,4-Dichloro-2-butene	19.7		µg/l		20.0		98	70-130	5	25
Ethanol	372		µg/l		400		93	70-130	5	30
Surrogate: 4-Bromofluorobenzene	*50.1*		µg/l		*50.0*		*100*	*70-130*		
Surrogate: Toluene-d8	*48.5*		µg/l		*50.0*		*97*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*50.2*		µg/l		*50.0*		*100*	*70-130*		
Surrogate: Dibromofluoromethane	*50.6*		µg/l		*50.0*		*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 8091330 - SW846 5030 Water MS										
Matrix Spike (8091330-MS1)	**Source: SA84727-04**									
Prepared & Analyzed: 18-Sep-08										
Benzene	17.5		µg/l		20.0	BRL	87	70-130		
Chlorobenzene	17.2		µg/l		20.0	BRL	86	70-130		
1,1-Dichloroethene	16.9		µg/l		20.0	BRL	85	70-130		
Toluene	17.2		µg/l		20.0	BRL	86	70-130		
Trichloroethene	19.2		µg/l		20.0	1.0	91	70-130		
Surrogate: 4-Bromofluorobenzene	*50.9*		µg/l		*50.0*		*102*	*70-130*		
Surrogate: Toluene-d8	*49.2*		µg/l		*50.0*		*98*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*51.7*		µg/l		*50.0*		*103*	*70-130*		
Surrogate: Dibromofluoromethane	*52.1*		µg/l		*50.0*		*104*	*70-130*		
Matrix Spike Dup (8091330-MSD1)	**Source: SA84727-04**									
Prepared & Analyzed: 18-Sep-08										
Benzene	17.8		µg/l		20.0	BRL	89	70-130	2	30
Chlorobenzene	17.7		µg/l		20.0	BRL	88	70-130	3	30
1,1-Dichloroethene	16.5		µg/l		20.0	BRL	82	70-130	3	30
Toluene	17.2		µg/l		20.0	BRL	86	70-130	0.06	30
Trichloroethene	19.0		µg/l		20.0	1.0	90	70-130	1	30
Surrogate: 4-Bromofluorobenzene	*50.4*		µg/l		*50.0*		*101*	*70-130*		
Surrogate: Toluene-d8	*48.9*		µg/l		*50.0*		*98*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*51.4*		µg/l		*50.0*		*103*	*70-130*		
Surrogate: Dibromofluoromethane	*52.6*		µg/l		*50.0*		*105*	*70-130*		
Batch 8091332 - SW846 5035A Soil (low level)										
Blank (8091332-BLK1)										
Prepared & Analyzed: 18-Sep-08										
1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg wet	5.0						
Acetone	BRL		µg/kg wet	50.0						
Acrylonitrile	BRL		µg/kg wet	5.0						
Benzene	BRL		µg/kg wet	5.0						
Bromobenzene	BRL		µg/kg wet	5.0						
Bromochloromethane	BRL		µg/kg wet	5.0						
Bromodichloromethane	BRL		µg/kg wet	5.0						
Bromoform	BRL		µg/kg wet	5.0						
Bromomethane	BRL		µg/kg wet	10.0						
2-Butanone (MEK)	BRL		µg/kg wet	50.0						
n-Butylbenzene	BRL		µg/kg wet	5.0						
sec-Butylbenzene	BRL		µg/kg wet	5.0						
tert-Butylbenzene	BRL		µg/kg wet	5.0						
Carbon disulfide	BRL		µg/kg wet	25.0						
Carbon tetrachloride	BRL		µg/kg wet	5.0						
Chlorobenzene	BRL		µg/kg wet	5.0						
Chloroethane	BRL		µg/kg wet	10.0						
Chloroform	BRL		µg/kg wet	5.0						
Chloromethane	BRL		µg/kg wet	10.0						
2-Chlorotoluene	BRL		µg/kg wet	5.0						
4-Chlorotoluene	BRL		µg/kg wet	5.0						
1,2-Dibromo-3-chloropropane	BRL		µg/kg wet	10.0						
Dibromochloromethane	BRL		µg/kg wet	5.0						
1,2-Dibromoethane (EDB)	BRL		µg/kg wet	5.0						
Dibromomethane	BRL		µg/kg wet	5.0						
1,2-Dichlorobenzene	BRL		µg/kg wet	5.0						
1,3-Dichlorobenzene	BRL		µg/kg wet	5.0						

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8091332 - SW846 5035A Soil (low level)										
Blank (8091332-BLK1)										
Prepared & Analyzed: 18-Sep-08										
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 8091332 - SW846 5035A Soil (low level)										
Blank (8091332-BLK1)										
Prepared & Analyzed: 18-Sep-08										
Ethanol	BRL		µg/kg wet	2000						
Surrogate: 4-Bromofluorobenzene	*50.6*		µg/kg wet		*50.0*		*101*	*70-130*		
Surrogate: Toluene-d8	*51.5*		µg/kg wet		*50.0*		*103*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*63.7*		µg/kg wet		*50.0*		*127*	*70-130*		
Surrogate: Dibromofluoromethane	*53.6*		µg/kg wet		*50.0*		*107*	*70-130*		
LCS (8091332-BS1)										
Prepared & Analyzed: 18-Sep-08										
1,1,2-Trichlorotrifluoroethane (Freon 113)	20.1		µg/kg wet		20.0		101	70-130		
Acetone	10.2		µg/kg wet		20.0		51	15.9-162		
Acrylonitrile	18.0		µg/kg wet		20.0		90	70-130		
Benzene	18.7		µg/kg wet		20.0		93	70-130		
Bromobenzene	19.2		µg/kg wet		20.0		96	70-130		
Bromochloromethane	20.0		µg/kg wet		20.0		100	70-130		
Bromodichloromethane	18.7		µg/kg wet		20.0		94	70-130		
Bromoform	19.6		µg/kg wet		20.0		98	70-130		
Bromomethane	15.1		µg/kg wet		20.0		76	40.8-154		
2-Butanone (MEK)	13.6		µg/kg wet		20.0		68	27.2-154		
n-Butylbenzene	20.3		µg/kg wet		20.0		101	70-130		
sec-Butylbenzene	19.8		µg/kg wet		20.0		99	70-130		
tert-Butylbenzene	19.9		µg/kg wet		20.0		100	70-130		
Carbon disulfide	17.3		µg/kg wet		20.0		86	70-130		
Carbon tetrachloride	19.3		µg/kg wet		20.0		97	70-130		
Chlorobenzene	19.0		µg/kg wet		20.0		95	70-130		
Chloroethane	16.3		µg/kg wet		20.0		82	59.1-130		
Chloroform	19.3		µg/kg wet		20.0		97	70-130		
Chloromethane	17.0		µg/kg wet		20.0		85	70-130		
2-Chlorotoluene	19.7		µg/kg wet		20.0		99	70-130		
4-Chlorotoluene	19.8		µg/kg wet		20.0		99	70-130		
1,2-Dibromo-3-chloropropane	18.7		µg/kg wet		20.0		94	70-130		
Dibromochloromethane	17.7		µg/kg wet		20.0		88	67-133		
1,2-Dibromoethane (EDB)	19.1		µg/kg wet		20.0		95	70-130		
Dibromomethane	20.0		µg/kg wet		20.0		100	70-130		
1,2-Dichlorobenzene	19.9		µg/kg wet		20.0		99	70-130		
1,3-Dichlorobenzene	19.5		µg/kg wet		20.0		98	70-130		
1,4-Dichlorobenzene	18.9		µg/kg wet		20.0		94	70-130		
Dichlorodifluoromethane (Freon12)	15.6		µg/kg wet		20.0		78	33.9-180		
1,1-Dichloroethane	19.1		µg/kg wet		20.0		95	70-130		
1,2-Dichloroethane	18.5		µg/kg wet		20.0		92	70-130		
1,1-Dichloroethene	18.4		µg/kg wet		20.0		92	70-130		
cis-1,2-Dichloroethene	21.0		µg/kg wet		20.0		105	70-130		
trans-1,2-Dichloroethene	19.4		µg/kg wet		20.0		97	70-130		
1,2-Dichloropropane	19.2		µg/kg wet		20.0		96	70-130		
1,3-Dichloropropane	18.3		µg/kg wet		20.0		92	70-130		
2,2-Dichloropropane	18.8		µg/kg wet		20.0		94	70-130		
1,1-Dichloropropene	19.7		µg/kg wet		20.0		98	70-130		
cis-1,3-Dichloropropene	18.8		µg/kg wet		20.0		94	70-130		
trans-1,3-Dichloropropene	18.2		µg/kg wet		20.0		91	70-130		
Ethylbenzene	19.5		µg/kg wet		20.0		97	70-130		
Hexachlorobutadiene	17.7		µg/kg wet		20.0		89	57-138		
2-Hexanone (MBK)	16.9		µg/kg wet		20.0		84	70-130		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8091332 - SW846 5035A Soil (low level)										
LCS (8091332-BS1)										
Prepared & Analyzed: 18-Sep-08										
Isopropylbenzene	18.3		µg/kg wet		20.0		92	70-130		
4-Isopropyltoluene	20.6		µg/kg wet		20.0		103	70-130		
Methyl tert-butyl ether	18.7		µg/kg wet		20.0		93	70-130		
4-Methyl-2-pentanone (MIBK)	16.8		µg/kg wet		20.0		84	55.4-131		
Methylene chloride	18.1		µg/kg wet		20.0		90	70-130		
Naphthalene	17.7		µg/kg wet		20.0		89	70-130		
n-Propylbenzene	19.4		µg/kg wet		20.0		97	70-130		
Styrene	19.7		µg/kg wet		20.0		99	70-130		
1,1,1,2-Tetrachloroethane	20.0		µg/kg wet		20.0		100	70-130		
1,1,2,2-Tetrachloroethane	20.2		µg/kg wet		20.0		101	70-130		
Tetrachloroethene	19.0		µg/kg wet		20.0		95	70-130		
Toluene	18.3		µg/kg wet		20.0		91	70-130		
1,2,3-Trichlorobenzene	18.6		µg/kg wet		20.0		93	70-130		
1,2,4-Trichlorobenzene	18.2		µg/kg wet		20.0		91	70-130		
1,3,5-Trichlorobenzene	18.5		µg/kg wet		20.0		92	70-130		
1,1,1-Trichloroethane	19.7		µg/kg wet		20.0		98	70-130		
1,1,2-Trichloroethane	19.0		µg/kg wet		20.0		95	70-130		
Trichloroethene	19.7		µg/kg wet		20.0		98	70-130		
Trichlorofluoromethane (Freon 11)	17.0		µg/kg wet		20.0		85	52-154		
1,2,3-Trichloropropane	22.2		µg/kg wet		20.0		111	70-130		
1,2,4-Trimethylbenzene	20.1		µg/kg wet		20.0		100	70-130		
1,3,5-Trimethylbenzene	19.7		µg/kg wet		20.0		98	70-130		
Vinyl chloride	18.8		µg/kg wet		20.0		94	70-130		
m,p-Xylene	38.7		µg/kg wet		40.0		97	70-130		
o-Xylene	19.8		µg/kg wet		20.0		99	70-130		
Tetrahydrofuran	16.7		µg/kg wet		20.0		83	70-130		
Ethyl ether	18.6		µg/kg wet		20.0		93	65.7-131		
Tert-amyl methyl ether	20.6		µg/kg wet		20.0		103	70-130		
Ethyl tert-butyl ether	19.3		µg/kg wet		20.0		97	70-130		
Di-isopropyl ether	18.5		µg/kg wet		20.0		92	70-130		
Tert-Butanol / butyl alcohol	176		µg/kg wet		200		88	70-130		
1,4-Dioxane	141		µg/kg wet		200		71	50.9-140		
trans-1,4-Dichloro-2-butene	18.1		µg/kg wet		20.0		90	70-130		
Ethanol	381		µg/kg wet		400		95	70-130		
Surrogate: 4-Bromofluorobenzene	*49.7*		µg/kg wet		*50.0*		*99*	*70-130*		
Surrogate: Toluene-d8	*48.3*		µg/kg wet		*50.0*		*97*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*49.7*		µg/kg wet		*50.0*		*99*	*70-130*		
Surrogate: Dibromofluoromethane	*48.1*		µg/kg wet		*50.0*		*96*	*70-130*		
LCS Dup (8091332-BSD1)										
Prepared & Analyzed: 18-Sep-08										
1,1,2-Trichlorotrifluoroethane (Freon 113)	20.7		µg/kg wet		20.0		104	70-130	3	25
Acetone	7.8		µg/kg wet		20.0		39	15.9-162	27	50
Acrylonitrile	17.2		µg/kg wet		20.0		86	70-130	4	25
Benzene	19.3		µg/kg wet		20.0		96	70-130	3	25
Bromobenzene	19.4		µg/kg wet		20.0		97	70-130	1	25
Bromochloromethane	18.7		µg/kg wet		20.0		94	70-130	7	25
Bromodichloromethane	19.2		µg/kg wet		20.0		96	70-130	2	25
Bromoform	20.0		µg/kg wet		20.0		100	70-130	2	25
Bromomethane	16.1		µg/kg wet		20.0		80	40.8-154	6	50
2-Butanone (MEK)	140	QC1	µg/kg wet		20.0		700	27.2-154	165	50

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8091332 - SW846 5035A Soil (low level)										
LCS Dup (8091332-BSD1)										
Prepared & Analyzed: 18-Sep-08										
n-Butylbenzene	20.4		µg/kg wet		20.0		102	70-130	0.8	25
sec-Butylbenzene	20.7		µg/kg wet		20.0		104	70-130	5	25
tert-Butylbenzene	20.6		µg/kg wet		20.0		103	70-130	3	25
Carbon disulfide	17.2		µg/kg wet		20.0		86	70-130	0.3	25
Carbon tetrachloride	19.3		µg/kg wet		20.0		97	70-130	0.1	25
Chlorobenzene	19.7		µg/kg wet		20.0		99	70-130	4	25
Chloroethane	16.2		µg/kg wet		20.0		81	59.1-130	0.9	50
Chloroform	18.7		µg/kg wet		20.0		94	70-130	3	25
Chloromethane	16.6		µg/kg wet		20.0		83	70-130	3	25
2-Chlorotoluene	21.2		µg/kg wet		20.0		106	70-130	7	25
4-Chlorotoluene	20.4		µg/kg wet		20.0		102	70-130	3	25
1,2-Dibromo-3-chloropropane	19.1		µg/kg wet		20.0		96	70-130	2	25
Dibromochloromethane	17.9		µg/kg wet		20.0		90	67-133	1	50
1,2-Dibromoethane (EDB)	18.6		µg/kg wet		20.0		93	70-130	2	25
Dibromomethane	19.2		µg/kg wet		20.0		96	70-130	4	25
1,2-Dichlorobenzene	19.0		µg/kg wet		20.0		95	70-130	5	25
1,3-Dichlorobenzene	20.3		µg/kg wet		20.0		102	70-130	4	25
1,4-Dichlorobenzene	18.9		µg/kg wet		20.0		95	70-130	0.2	25
Dichlorodifluoromethane (Freon12)	16.0		µg/kg wet		20.0		80	33.9-180	2	50
1,1-Dichloroethane	20.0		µg/kg wet		20.0		100	70-130	5	25
1,2-Dichloroethane	18.8		µg/kg wet		20.0		94	70-130	2	25
1,1-Dichloroethene	19.2		µg/kg wet		20.0		96	70-130	4	25
cis-1,2-Dichloroethene	21.1		µg/kg wet		20.0		106	70-130	0.9	25
trans-1,2-Dichloroethene	19.9		µg/kg wet		20.0		100	70-130	2	25
1,2-Dichloropropane	20.0		µg/kg wet		20.0		100	70-130	4	25
1,3-Dichloropropane	18.7		µg/kg wet		20.0		94	70-130	2	25
2,2-Dichloropropane	20.0		µg/kg wet		20.0		100	70-130	6	25
1,1-Dichloropropene	20.0		µg/kg wet		20.0		100	70-130	2	25
cis-1,3-Dichloropropene	19.0		µg/kg wet		20.0		95	70-130	1	25
trans-1,3-Dichloropropene	18.1		µg/kg wet		20.0		91	70-130	0.1	25
Ethylbenzene	20.6		µg/kg wet		20.0		103	70-130	6	25
Hexachlorobutadiene	18.2		µg/kg wet		20.0		91	57-138	3	50
2-Hexanone (MBK)	15.0		µg/kg wet		20.0		75	70-130	12	25
Isopropylbenzene	18.8		µg/kg wet		20.0		94	70-130	3	25
4-Isopropyltoluene	20.8		µg/kg wet		20.0		104	70-130	1	25
Methyl tert-butyl ether	19.3		µg/kg wet		20.0		96	70-130	3	25
4-Methyl-2-pentanone (MIBK)	16.3		µg/kg wet		20.0		81	55.4-131	3	50
Methylene chloride	17.4		µg/kg wet		20.0		87	70-130	4	25
Naphthalene	17.6		µg/kg wet		20.0		88	70-130	1	25
n-Propylbenzene	20.3		µg/kg wet		20.0		102	70-130	4	25
Styrene	20.2		µg/kg wet		20.0		101	70-130	3	25
1,1,1,2-Tetrachloroethane	19.9		µg/kg wet		20.0		99	70-130	0.8	25
1,1,2,2-Tetrachloroethane	19.9		µg/kg wet		20.0		100	70-130	1	25
Tetrachloroethene	18.9		µg/kg wet		20.0		95	70-130	0.3	25
Toluene	18.8		µg/kg wet		20.0		94	70-130	3	25
1,2,3-Trichlorobenzene	19.0		µg/kg wet		20.0		95	70-130	2	25
1,2,4-Trichlorobenzene	18.5		µg/kg wet		20.0		92	70-130	2	25
1,3,5-Trichlorobenzene	18.6		µg/kg wet		20.0		93	70-130	0.3	25
1,1,1-Trichloroethane	19.8		µg/kg wet		20.0		99	70-130	0.8	25

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8091332 - SW846 5035A Soil (low level)										
LCS Dup (8091332-BSD1)										
Prepared & Analyzed: 18-Sep-08										
1,1,2-Trichloroethane	18.8		µg/kg wet		20.0		94	70-130	1	25
Trichloroethene	20.1		µg/kg wet		20.0		100	70-130	2	25
Trichlorofluoromethane (Freon 11)	18.0		µg/kg wet		20.0		90	52-154	6	50
1,2,3-Trichloropropane	22.6		µg/kg wet		20.0		113	70-130	2	25
1,2,4-Trimethylbenzene	20.2		µg/kg wet		20.0		101	70-130	0.5	25
1,3,5-Trimethylbenzene	20.4		µg/kg wet		20.0		102	70-130	3	25
Vinyl chloride	18.0		µg/kg wet		20.0		90	70-130	4	25
m,p-Xylene	40.6		µg/kg wet		40.0		101	70-130	5	25
o-Xylene	20.7		µg/kg wet		20.0		103	70-130	4	25
Tetrahydrofuran	18.0		µg/kg wet		20.0		90	70-130	7	25
Ethyl ether	18.1		µg/kg wet		20.0		91	65.7-131	2	50
Tert-amyl methyl ether	18.5		µg/kg wet		20.0		93	70-130	11	25
Ethyl tert-butyl ether	19.4		µg/kg wet		20.0		97	70-130	0.3	25
Di-isopropyl ether	18.8		µg/kg wet		20.0		94	70-130	2	25
Tert-Butanol / butyl alcohol	166		µg/kg wet		200		83	70-130	5	25
1,4-Dioxane	151		µg/kg wet		200		76	50.9-140	7	25
trans-1,4-Dichloro-2-butene	19.0		µg/kg wet		20.0		95	70-130	5	25
Ethanol	363		µg/kg wet		400		91	70-130	5	30
Surrogate: 4-Bromofluorobenzene	*52.4*		µg/kg wet		*50.0*		*105*	*70-130*		
Surrogate: Toluene-d8	*48.6*		µg/kg wet		*50.0*		*97*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*52.8*		µg/kg wet		*50.0*		*106*	*70-130*		
Surrogate: Dibromofluoromethane	*48.9*		µg/kg wet		*50.0*		*98*	*70-130*		
Batch 8091368 - SW846 5035A Soil (low level)										
Blank (8091368-BLK1)										
Prepared & Analyzed: 18-Sep-08										
1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg wet	5.0						
Acetone	BRL		µg/kg wet	50.0						
Acrylonitrile	BRL		µg/kg wet	5.0						
Benzene	BRL		µg/kg wet	5.0						
Bromobenzene	BRL		µg/kg wet	5.0						
Bromochloromethane	BRL		µg/kg wet	5.0						
Bromodichloromethane	BRL		µg/kg wet	5.0						
Bromoform	BRL		µg/kg wet	5.0						
Bromomethane	BRL		µg/kg wet	10.0						
2-Butanone (MEK)	BRL		µg/kg wet	50.0						
n-Butylbenzene	BRL		µg/kg wet	5.0						
sec-Butylbenzene	BRL		µg/kg wet	5.0						
tert-Butylbenzene	BRL		µg/kg wet	5.0						
Carbon disulfide	BRL		µg/kg wet	25.0						
Carbon tetrachloride	BRL		µg/kg wet	5.0						
Chlorobenzene	BRL		µg/kg wet	5.0						
Chloroethane	BRL		µg/kg wet	10.0						
Chloroform	BRL		µg/kg wet	5.0						
Chloromethane	BRL		µg/kg wet	10.0						
2-Chlorotoluene	BRL		µg/kg wet	5.0						
4-Chlorotoluene	BRL		µg/kg wet	5.0						
1,2-Dibromo-3-chloropropane	BRL		µg/kg wet	10.0						
Dibromochloromethane	BRL		µg/kg wet	5.0						
1,2-Dibromoethane (EDB)	BRL		µg/kg wet	5.0						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8091368 - SW846 5035A Soil (low level)										
Blank (8091368-BLK1)										
Prepared & Analyzed: 18-Sep-08										
Dibromomethane	BRL		µg/kg wet	5.0						
1,2-Dichlorobenzene	BRL		µg/kg wet	5.0						
1,3-Dichlorobenzene	BRL		µg/kg wet	5.0						
1,4-Dichlorobenzene	BRL		µg/kg wet	5.0						
Dichlorodifluoromethane (Freon12)	BRL		µg/kg wet	10.0						
1,1-Dichloroethane	BRL		µg/kg wet	5.0						
1,2-Dichloroethane	BRL		µg/kg wet	5.0						
1,1-Dichloroethene	BRL		µg/kg wet	5.0						
cis-1,2-Dichloroethene	BRL		µg/kg wet	5.0						
trans-1,2-Dichloroethene	BRL		µg/kg wet	5.0						
1,2-Dichloropropane	BRL		µg/kg wet	5.0						
1,3-Dichloropropane	BRL		µg/kg wet	5.0						
2,2-Dichloropropane	BRL		µg/kg wet	5.0						
1,1-Dichloropropene	BRL		µg/kg wet	5.0						
cis-1,3-Dichloropropene	BRL		µg/kg wet	5.0						
trans-1,3-Dichloropropene	BRL		µg/kg wet	5.0						
Ethylbenzene	BRL		µg/kg wet	5.0						
Hexachlorobutadiene	BRL		µg/kg wet	5.0						
2-Hexanone (MBK)	BRL		µg/kg wet	50.0						
Isopropylbenzene	BRL		µg/kg wet	5.0						
4-Isopropyltoluene	BRL		µg/kg wet	5.0						
Methyl tert-butyl ether	BRL		µg/kg wet	5.0						
4-Methyl-2-pentanone (MIBK)	BRL		µg/kg wet	50.0						
Methylene chloride	BRL		µg/kg wet	50.0						
Naphthalene	BRL		µg/kg wet	5.0						
n-Propylbenzene	BRL		µg/kg wet	5.0						
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						

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8091368 - SW846 5035A Soil (low level)										
Blank (8091368-BLK1)										
Prepared & Analyzed: 18-Sep-08										
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	*52.1*		µg/kg wet		*50.0*		*104*	*70-130*		
Surrogate: Toluene-d8	*49.5*		µg/kg wet		*50.0*		*99*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*58.6*		µg/kg wet		*50.0*		*117*	*70-130*		
Surrogate: Dibromofluoromethane	*49.8*		µg/kg wet		*50.0*		*100*	*70-130*		
LCS (8091368-BS1)										
Prepared & Analyzed: 18-Sep-08										
1,1,2-Trichlorotrifluoroethane (Freon 113)	19.5		µg/kg wet		20.0		98	70-130		
Acetone	5.9		µg/kg wet		20.0		30	15.9-162		
Acrylonitrile	15.5		µg/kg wet		20.0		78	70-130		
Benzene	19.0		µg/kg wet		20.0		95	70-130		
Bromobenzene	18.1		µg/kg wet		20.0		91	70-130		
Bromochloromethane	18.6		µg/kg wet		20.0		93	70-130		
Bromodichloromethane	17.5		µg/kg wet		20.0		87	70-130		
Bromoform	17.6		µg/kg wet		20.0		88	70-130		
Bromomethane	15.0		µg/kg wet		20.0		75	40.8-154		
2-Butanone (MEK)	123	QC1	µg/kg wet		20.0		617	27.2-154		
n-Butylbenzene	19.3		µg/kg wet		20.0		97	70-130		
sec-Butylbenzene	19.3		µg/kg wet		20.0		96	70-130		
tert-Butylbenzene	19.1		µg/kg wet		20.0		96	70-130		
Carbon disulfide	16.3		µg/kg wet		20.0		81	70-130		
Carbon tetrachloride	17.0		µg/kg wet		20.0		85	70-130		
Chlorobenzene	19.2		µg/kg wet		20.0		96	70-130		
Chloroethane	14.7		µg/kg wet		20.0		74	59.1-130		
Chloroform	17.8		µg/kg wet		20.0		89	70-130		
Chloromethane	15.2		µg/kg wet		20.0		76	70-130		
2-Chlorotoluene	19.6		µg/kg wet		20.0		98	70-130		
4-Chlorotoluene	19.4		µg/kg wet		20.0		97	70-130		
1,2-Dibromo-3-chloropropane	17.4		µg/kg wet		20.0		87	70-130		
Dibromochloromethane	16.3		µg/kg wet		20.0		81	67-133		
1,2-Dibromoethane (EDB)	17.9		µg/kg wet		20.0		89	70-130		
Dibromomethane	17.6		µg/kg wet		20.0		88	70-130		
1,2-Dichlorobenzene	18.5		µg/kg wet		20.0		93	70-130		
1,3-Dichlorobenzene	18.8		µg/kg wet		20.0		94	70-130		
1,4-Dichlorobenzene	18.2		µg/kg wet		20.0		91	70-130		
Dichlorodifluoromethane (Freon12)	17.0		µg/kg wet		20.0		85	33.9-180		
1,1-Dichloroethane	18.1		µg/kg wet		20.0		91	70-130		
1,2-Dichloroethane	17.2		µg/kg wet		20.0		86	70-130		
1,1-Dichloroethene	18.1		µg/kg wet		20.0		90	70-130		
cis-1,2-Dichloroethene	20.0		µg/kg wet		20.0		100	70-130		
trans-1,2-Dichloroethene	18.8		µg/kg wet		20.0		94	70-130		
1,2-Dichloropropane	18.7		µg/kg wet		20.0		94	70-130		
1,3-Dichloropropane	18.0		µg/kg wet		20.0		90	70-130		
2,2-Dichloropropane	17.0		µg/kg wet		20.0		85	70-130		
1,1-Dichloropropene	18.8		µg/kg wet		20.0		94	70-130		
cis-1,3-Dichloropropene	17.2		µg/kg wet		20.0		86	70-130		
trans-1,3-Dichloropropene	16.0		µg/kg wet		20.0		80	70-130		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8091368 - SW846 5035A Soil (low level)										
LCS (8091368-BS1)										
Prepared & Analyzed: 18-Sep-08										
Ethylbenzene	19.3		µg/kg wet		20.0		97	70-130		
Hexachlorobutadiene	17.8		µg/kg wet		20.0		89	57-138		
2-Hexanone (MBK)	11.4	QC2	µg/kg wet		20.0		57	70-130		
Isopropylbenzene	17.9		µg/kg wet		20.0		90	70-130		
4-Isopropyltoluene	19.7		µg/kg wet		20.0		98	70-130		
Methyl tert-butyl ether	17.6		µg/kg wet		20.0		88	70-130		
4-Methyl-2-pentanone (MIBK)	16.1		µg/kg wet		20.0		81	55.4-131		
Methylene chloride	16.4		µg/kg wet		20.0		82	70-130		
Naphthalene	18.7		µg/kg wet		20.0		94	70-130		
n-Propylbenzene	19.0		µg/kg wet		20.0		95	70-130		
Styrene	19.6		µg/kg wet		20.0		98	70-130		
1,1,1,2-Tetrachloroethane	19.4		µg/kg wet		20.0		97	70-130		
1,1,2,2-Tetrachloroethane	18.3		µg/kg wet		20.0		91	70-130		
Tetrachloroethene	18.4		µg/kg wet		20.0		92	70-130		
Toluene	18.1		µg/kg wet		20.0		91	70-130		
1,2,3-Trichlorobenzene	18.9		µg/kg wet		20.0		94	70-130		
1,2,4-Trichlorobenzene	18.9		µg/kg wet		20.0		95	70-130		
1,3,5-Trichlorobenzene	17.6		µg/kg wet		20.0		88	70-130		
1,1,1-Trichloroethane	18.1		µg/kg wet		20.0		91	70-130		
1,1,2-Trichloroethane	17.6		µg/kg wet		20.0		88	70-130		
Trichloroethene	18.7		µg/kg wet		20.0		93	70-130		
Trichlorofluoromethane (Freon 11)	16.0		µg/kg wet		20.0		80	52-154		
1,2,3-Trichloropropane	20.5		µg/kg wet		20.0		103	70-130		
1,2,4-Trimethylbenzene	19.3		µg/kg wet		20.0		97	70-130		
1,3,5-Trimethylbenzene	19.1		µg/kg wet		20.0		96	70-130		
Vinyl chloride	17.2		µg/kg wet		20.0		86	70-130		
m,p-Xylene	38.3		µg/kg wet		40.0		96	70-130		
o-Xylene	19.5		µg/kg wet		20.0		97	70-130		
Tetrahydrofuran	15.8		µg/kg wet		20.0		79	70-130		
Ethyl ether	18.3		µg/kg wet		20.0		92	65.7-131		
Tert-amyl methyl ether	19.6		µg/kg wet		20.0		98	70-130		
Ethyl tert-butyl ether	18.1		µg/kg wet		20.0		90	70-130		
Di-isopropyl ether	16.9		µg/kg wet		20.0		85	70-130		
Tert-Butanol / butyl alcohol	147		µg/kg wet		200		74	70-130		
1,4-Dioxane	159		µg/kg wet		200		79	50.9-140		
trans-1,4-Dichloro-2-butene	16.6		µg/kg wet		20.0		83	70-130		
Ethanol	313		µg/kg wet		400		78	70-130		
Surrogate: 4-Bromofluorobenzene	*50.1*		µg/kg wet		*50.0*		*100*	*70-130*		
Surrogate: Toluene-d8	*48.0*		µg/kg wet		*50.0*		*96*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*48.4*		µg/kg wet		*50.0*		*97*	*70-130*		
Surrogate: Dibromofluoromethane	*46.5*		µg/kg wet		*50.0*		*93*	*70-130*		
LCS Dup (8091368-BSD1)										
Prepared & Analyzed: 18-Sep-08										
1,1,2-Trichlorotrifluoroethane (Freon 113)	19.7		µg/kg wet		20.0		98	70-130	0.7	25
Acetone	5.4		µg/kg wet		20.0		27	15.9-162	9	50
Acrylonitrile	17.3		µg/kg wet		20.0		86	70-130	11	25
Benzene	19.2		µg/kg wet		20.0		96	70-130	1	25
Bromobenzene	18.3		µg/kg wet		20.0		91	70-130	0.8	25
Bromochloromethane	17.5		µg/kg wet		20.0		87	70-130	6	25
Bromodichloromethane	17.7		µg/kg wet		20.0		89	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 8091368 - SW846 5035A Soil (low level)										
LCS Dup (8091368-BSD1)										
Prepared & Analyzed: 18-Sep-08										
Bromoform	19.6		µg/kg wet		20.0		98	70-130	11	25
Bromomethane	14.1		µg/kg wet		20.0		71	40.8-154	6	50
2-Butanone (MEK)	15.0	QR5	µg/kg wet		20.0		75	27.2-154	157	50
n-Butylbenzene	19.2		µg/kg wet		20.0		96	70-130	0.4	25
sec-Butylbenzene	18.3		µg/kg wet		20.0		92	70-130	5	25
tert-Butylbenzene	18.6		µg/kg wet		20.0		93	70-130	3	25
Carbon disulfide	15.9		µg/kg wet		20.0		80	70-130	2	25
Carbon tetrachloride	16.8		µg/kg wet		20.0		84	70-130	1	25
Chlorobenzene	19.5		µg/kg wet		20.0		98	70-130	2	25
Chloroethane	14.2		µg/kg wet		20.0		71	59.1-130	4	50
Chloroform	18.3		µg/kg wet		20.0		91	70-130	3	25
Chloromethane	14.4		µg/kg wet		20.0		72	70-130	5	25
2-Chlorotoluene	19.3		µg/kg wet		20.0		97	70-130	2	25
4-Chlorotoluene	18.8		µg/kg wet		20.0		94	70-130	3	25
1,2-Dibromo-3-chloropropane	20.9		µg/kg wet		20.0		105	70-130	18	25
Dibromochloromethane	17.2		µg/kg wet		20.0		86	67-133	5	50
1,2-Dibromoethane (EDB)	18.3		µg/kg wet		20.0		92	70-130	2	25
Dibromomethane	18.1		µg/kg wet		20.0		91	70-130	3	25
1,2-Dichlorobenzene	19.6		µg/kg wet		20.0		98	70-130	5	25
1,3-Dichlorobenzene	18.3		µg/kg wet		20.0		91	70-130	3	25
1,4-Dichlorobenzene	18.5		µg/kg wet		20.0		93	70-130	2	25
Dichlorodifluoromethane (Freon12)	15.7		µg/kg wet		20.0		79	33.9-180	8	50
1,1-Dichloroethane	18.6		µg/kg wet		20.0		93	70-130	3	25
1,2-Dichloroethane	17.9		µg/kg wet		20.0		90	70-130	4	25
1,1-Dichloroethene	18.5		µg/kg wet		20.0		92	70-130	2	25
cis-1,2-Dichloroethene	20.8		µg/kg wet		20.0		104	70-130	4	25
trans-1,2-Dichloroethene	18.8		µg/kg wet		20.0		94	70-130	0	25
1,2-Dichloropropane	19.8		µg/kg wet		20.0		99	70-130	6	25
1,3-Dichloropropane	18.6		µg/kg wet		20.0		93	70-130	3	25
2,2-Dichloropropane	17.4		µg/kg wet		20.0		87	70-130	2	25
1,1-Dichloropropene	18.9		µg/kg wet		20.0		94	70-130	0.5	25
cis-1,3-Dichloropropene	18.0		µg/kg wet		20.0		90	70-130	4	25
trans-1,3-Dichloropropene	17.2		µg/kg wet		20.0		86	70-130	7	25
Ethylbenzene	19.4		µg/kg wet		20.0		97	70-130	0.1	25
Hexachlorobutadiene	17.6		µg/kg wet		20.0		88	57-138	0.6	50
2-Hexanone (MBK)	13.3	QC2	µg/kg wet		20.0		66	70-130	15	25
Isopropylbenzene	17.5		µg/kg wet		20.0		88	70-130	2	25
4-Isopropyltoluene	20.2		µg/kg wet		20.0		101	70-130	3	25
Methyl tert-butyl ether	19.2		µg/kg wet		20.0		96	70-130	8	25
4-Methyl-2-pentanone (MIBK)	18.9		µg/kg wet		20.0		95	55.4-131	16	50
Methylene chloride	16.8		µg/kg wet		20.0		84	70-130	3	25
Naphthalene	18.6		µg/kg wet		20.0		93	70-130	0.9	25
n-Propylbenzene	18.2		µg/kg wet		20.0		91	70-130	4	25
Styrene	19.6		µg/kg wet		20.0		98	70-130	0.3	25
1,1,1,2-Tetrachloroethane	20.4		µg/kg wet		20.0		102	70-130	5	25
1,1,2,2-Tetrachloroethane	19.8		µg/kg wet		20.0		99	70-130	8	25
Tetrachloroethene	18.0		µg/kg wet		20.0		90	70-130	2	25
Toluene	18.2		µg/kg wet		20.0		91	70-130	0.6	25
1,2,3-Trichlorobenzene	18.8		µg/kg wet		20.0		94	70-130	0.4	25

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8091368 - SW846 5035A Soil (low level)										
LCS Dup (8091368-BSD1)										
Prepared & Analyzed: 18-Sep-08										
1,2,4-Trichlorobenzene	18.0		µg/kg wet		20.0		90	70-130	5	25
1,3,5-Trichlorobenzene	18.0		µg/kg wet		20.0		90	70-130	3	25
1,1,1-Trichloroethane	18.6		µg/kg wet		20.0		93	70-130	2	25
1,1,2-Trichloroethane	18.8		µg/kg wet		20.0		94	70-130	6	25
Trichloroethene	18.5		µg/kg wet		20.0		93	70-130	0.9	25
Trichlorofluoromethane (Freon 11)	15.0		µg/kg wet		20.0		75	52-154	6	50
1,2,3-Trichloropropane	24.0		µg/kg wet		20.0		120	70-130	16	25
1,2,4-Trimethylbenzene	18.8		µg/kg wet		20.0		94	70-130	3	25
1,3,5-Trimethylbenzene	18.5		µg/kg wet		20.0		92	70-130	4	25
Vinyl chloride	16.1		µg/kg wet		20.0		81	70-130	6	25
m,p-Xylene	39.1		µg/kg wet		40.0		98	70-130	2	25
o-Xylene	19.7		µg/kg wet		20.0		98	70-130	1	25
Tetrahydrofuran	17.2		µg/kg wet		20.0		86	70-130	9	25
Ethyl ether	20.2		µg/kg wet		20.0		101	65.7-131	10	50
Tert-amyl methyl ether	20.8		µg/kg wet		20.0		104	70-130	6	25
Ethyl tert-butyl ether	19.6		µg/kg wet		20.0		98	70-130	8	25
Di-isopropyl ether	18.2		µg/kg wet		20.0		91	70-130	7	25
Tert-Butanol / butyl alcohol	162		µg/kg wet		200		81	70-130	10	25
1,4-Dioxane	164		µg/kg wet		200		82	50.9-140	3	25
trans-1,4-Dichloro-2-butene	16.1		µg/kg wet		20.0		81	70-130	3	25
Ethanol	304		µg/kg wet		400		76	70-130	3	30
Surrogate: 4-Bromofluorobenzene	*49.1*		µg/kg wet		*50.0*		*98*	*70-130*		
Surrogate: Toluene-d8	*47.7*		µg/kg wet		*50.0*		*95*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*53.0*		µg/kg wet		*50.0*		*106*	*70-130*		
Surrogate: Dibromofluoromethane	*47.8*		µg/kg wet		*50.0*		*96*	*70-130*		
Batch 8091370 - SW846 5030 Water MS										
Blank (8091370-BLK1)										
Prepared: 18-Sep-08 Analyzed: 19-Sep-08										
1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/l	1.0						
Acetone	BRL		µg/l	10.0						
Acrylonitrile	BRL		µg/l	0.5						
Benzene	BRL		µg/l	1.0						
Bromobenzene	BRL		µg/l	1.0						
Bromochloromethane	BRL		µg/l	1.0						
Bromodichloromethane	BRL		µg/l	0.5						
Bromoform	BRL		µg/l	1.0						
Bromomethane	BRL		µg/l	2.0						
2-Butanone (MEK)	BRL		µg/l	10.0						
n-Butylbenzene	BRL		µg/l	1.0						
sec-Butylbenzene	BRL		µg/l	1.0						
tert-Butylbenzene	BRL		µg/l	1.0						
Carbon disulfide	BRL		µg/l	5.0						
Carbon tetrachloride	BRL		µg/l	1.0						
Chlorobenzene	BRL		µg/l	1.0						
Chloroethane	BRL		µg/l	2.0						
Chloroform	BRL		µg/l	1.0						
Chloromethane	BRL		µg/l	2.0						
2-Chlorotoluene	BRL		µg/l	1.0						
4-Chlorotoluene	BRL		µg/l	1.0						

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8091370 - SW846 5030 Water MS										
Blank (8091370-BLK1)										
Prepared: 18-Sep-08 Analyzed: 19-Sep-08										
1,2-Dibromo-3-chloropropane	BRL		µg/l	2.0						
Dibromochloromethane	BRL		µg/l	0.5						
1,2-Dibromoethane (EDB)	BRL		µg/l	0.5						
Dibromomethane	BRL		µg/l	1.0						
1,2-Dichlorobenzene	BRL		µg/l	1.0						
1,3-Dichlorobenzene	BRL		µg/l	1.0						
1,4-Dichlorobenzene	BRL		µg/l	1.0						
Dichlorodifluoromethane (Freon12)	BRL		µg/l	2.0						
1,1-Dichloroethane	BRL		µg/l	1.0						
1,2-Dichloroethane	BRL		µg/l	1.0						
1,1-Dichloroethene	BRL		µg/l	1.0						
cis-1,2-Dichloroethene	BRL		µg/l	1.0						
trans-1,2-Dichloroethene	BRL		µg/l	1.0						
1,2-Dichloropropane	BRL		µg/l	1.0						
1,3-Dichloropropane	BRL		µg/l	1.0						
2,2-Dichloropropane	BRL		µg/l	1.0						
1,1-Dichloropropene	BRL		µg/l	1.0						
cis-1,3-Dichloropropene	BRL		µg/l	0.5						
trans-1,3-Dichloropropene	BRL		µg/l	0.5						
Ethylbenzene	BRL		µg/l	1.0						
Hexachlorobutadiene	BRL		µg/l	0.5						
2-Hexanone (MBK)	BRL		µg/l	10.0						
Isopropylbenzene	BRL		µg/l	1.0						
4-Isopropyltoluene	BRL		µg/l	1.0						
Methyl tert-butyl ether	BRL		µg/l	1.0						
4-Methyl-2-pentanone (MIBK)	BRL		µg/l	10.0						
Methylene chloride	BRL		µg/l	5.0						
Naphthalene	BRL		µg/l	1.0						
n-Propylbenzene	BRL		µg/l	1.0						
Styrene	BRL		µg/l	1.0						
1,1,1,2-Tetrachloroethane	BRL		µg/l	1.0						
1,1,2,2-Tetrachloroethane	BRL		µg/l	0.5						
Tetrachloroethene	BRL		µg/l	1.0						
Toluene	BRL		µg/l	1.0						
1,2,3-Trichlorobenzene	BRL		µg/l	1.0						
1,2,4-Trichlorobenzene	BRL		µg/l	1.0						
1,3,5-Trichlorobenzene	BRL		µg/l	1.0						
1,1,1-Trichloroethane	BRL		µg/l	1.0						
1,1,2-Trichloroethane	BRL		µg/l	1.0						
Trichloroethene	BRL		µg/l	1.0						
Trichlorofluoromethane (Freon 11)	BRL		µg/l	1.0						
1,2,3-Trichloropropane	BRL		µg/l	1.0						
1,2,4-Trimethylbenzene	BRL		µg/l	1.0						
1,3,5-Trimethylbenzene	BRL		µg/l	1.0						
Vinyl chloride	BRL		µg/l	1.0						
m,p-Xylene	BRL		µg/l	2.0						
o-Xylene	BRL		µg/l	1.0						
Tetrahydrofuran	BRL		µg/l	10.0						
Ethyl ether	BRL		µg/l	1.0						

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8091370 - SW846 5030 Water MS										
Blank (8091370-BLK1)										
Prepared: 18-Sep-08 Analyzed: 19-Sep-08										
Tert-amyl methyl ether	BRL		µg/l	1.0						
Ethyl tert-butyl ether	BRL		µg/l	1.0						
Di-isopropyl ether	BRL		µg/l	1.0						
Tert-Butanol / butyl alcohol	BRL		µg/l	10.0						
1,4-Dioxane	BRL		µg/l	20.0						
trans-1,4-Dichloro-2-butene	BRL		µg/l	5.0						
Ethanol	BRL		µg/l	400						
Surrogate: 4-Bromofluorobenzene	*45.5*		µg/l		*50.0*		*91*	*70-130*		
Surrogate: Toluene-d8	*50.8*		µg/l		*50.0*		*102*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*51.7*		µg/l		*50.0*		*103*	*70-130*		
Surrogate: Dibromofluoromethane	*51.0*		µg/l		*50.0*		*102*	*70-130*		
LCS (8091370-BS1)										
Prepared: 18-Sep-08 Analyzed: 19-Sep-08										
1,1,2-Trichlorotrifluoroethane (Freon 113)	26.5	QC1	µg/l		20.0		132	70-130		
Acetone	21.2		µg/l		20.0		106	5.22-177		
Acrylonitrile	23.6		µg/l		20.0		118	70-130		
Benzene	21.6		µg/l		20.0		108	70-130		
Bromobenzene	21.3		µg/l		20.0		107	70-130		
Bromochloromethane	20.8		µg/l		20.0		104	70-130		
Bromodichloromethane	21.0		µg/l		20.0		105	70-130		
Bromoform	17.8		µg/l		20.0		89	70-130		
Bromomethane	21.9		µg/l		20.0		109	20.3-173		
2-Butanone (MEK)	19.8		µg/l		20.0		99	40.1-155		
n-Butylbenzene	23.6		µg/l		20.0		118	70-130		
sec-Butylbenzene	23.8		µg/l		20.0		119	70-130		
tert-Butylbenzene	23.7		µg/l		20.0		119	70-130		
Carbon disulfide	24.9		µg/l		20.0		124	70-130		
Carbon tetrachloride	20.6		µg/l		20.0		103	70-130		
Chlorobenzene	21.2		µg/l		20.0		106	70-130		
Chloroethane	21.7		µg/l		20.0		109	58.8-137		
Chloroform	22.2		µg/l		20.0		111	70-130		
Chloromethane	24.7		µg/l		20.0		124	70-130		
2-Chlorotoluene	22.0		µg/l		20.0		110	70-130		
4-Chlorotoluene	22.2		µg/l		20.0		111	70-130		
1,2-Dibromo-3-chloropropane	19.8		µg/l		20.0		99	70-130		
Dibromochloromethane	20.9		µg/l		20.0		104	70-150		
1,2-Dibromoethane (EDB)	20.7		µg/l		20.0		103	70-130		
Dibromomethane	20.9		µg/l		20.0		105	70-130		
1,2-Dichlorobenzene	21.5		µg/l		20.0		108	70-130		
1,3-Dichlorobenzene	22.5		µg/l		20.0		112	70-130		
1,4-Dichlorobenzene	20.1		µg/l		20.0		100	70-130		
Dichlorodifluoromethane (Freon12)	25.5		µg/l		20.0		127	40.4-181		
1,1-Dichloroethane	21.5		µg/l		20.0		107	70-130		
1,2-Dichloroethane	20.4		µg/l		20.0		102	70-130		
1,1-Dichloroethene	23.7		µg/l		20.0		118	70-130		
cis-1,2-Dichloroethene	22.0		µg/l		20.0		110	70-130		
trans-1,2-Dichloroethene	20.7		µg/l		20.0		103	70-130		
1,2-Dichloropropane	22.2		µg/l		20.0		111	70-130		
1,3-Dichloropropane	21.1		µg/l		20.0		106	70-130		
2,2-Dichloropropane	17.9		µg/l		20.0		90	70-130		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8091370 - SW846 5030 Water MS										
LCS (8091370-BS1)										
Prepared: 18-Sep-08 Analyzed: 19-Sep-08										
1,1-Dichloropropene	22.5		µg/l		20.0		113	70-130		
cis-1,3-Dichloropropene	19.6		µg/l		20.0		98	70-130		
trans-1,3-Dichloropropene	19.1		µg/l		20.0		95	70-130		
Ethylbenzene	21.8		µg/l		20.0		109	70-130		
Hexachlorobutadiene	21.8		µg/l		20.0		109	65.3-143		
2-Hexanone (MBK)	20.2		µg/l		20.0		101	70-130		
Isopropylbenzene	21.0		µg/l		20.0		105	70-130		
4-Isopropyltoluene	23.8		µg/l		20.0		119	70-130		
Methyl tert-butyl ether	19.5		µg/l		20.0		98	70-130		
4-Methyl-2-pentanone (MIBK)	21.0		µg/l		20.0		105	43.7-137		
Methylene chloride	23.6		µg/l		20.0		118	70-130		
Naphthalene	20.8		µg/l		20.0		104	70-130		
n-Propylbenzene	22.9		µg/l		20.0		115	70-130		
Styrene	22.0		µg/l		20.0		110	70-130		
1,1,1,2-Tetrachloroethane	19.7		µg/l		20.0		99	70-130		
1,1,2,2-Tetrachloroethane	20.8		µg/l		20.0		104	70-130		
Tetrachloroethene	22.5		µg/l		20.0		112	70-130		
Toluene	20.9		µg/l		20.0		105	70-130		
1,2,3-Trichlorobenzene	22.6		µg/l		20.0		113	70-130		
1,2,4-Trichlorobenzene	21.3		µg/l		20.0		107	70-130		
1,3,5-Trichlorobenzene	21.1		µg/l		20.0		105	70-130		
1,1,1-Trichloroethane	20.8		µg/l		20.0		104	70-130		
1,1,2-Trichloroethane	21.4		µg/l		20.0		107	70-130		
Trichloroethene	21.1		µg/l		20.0		105	70-130		
Trichlorofluoromethane (Freon 11)	23.1		µg/l		20.0		116	65.3-144		
1,2,3-Trichloropropane	23.6		µg/l		20.0		118	70-130		
1,2,4-Trimethylbenzene	21.0		µg/l		20.0		105	70-130		
1,3,5-Trimethylbenzene	22.8		µg/l		20.0		114	70-130		
Vinyl chloride	22.3		µg/l		20.0		111	70-130		
m,p-Xylene	44.1		µg/l		40.0		110	70-130		
o-Xylene	23.4		µg/l		20.0		117	70-130		
Tetrahydrofuran	18.6		µg/l		20.0		93	70-130		
Ethyl ether	21.3		µg/l		20.0		106	70-132		
Tert-amyl methyl ether	20.9		µg/l		20.0		105	70-130		
Ethyl tert-butyl ether	21.3		µg/l		20.0		106	70-130		
Di-isopropyl ether	20.4		µg/l		20.0		102	70-130		
Tert-Butanol / butyl alcohol	198		µg/l		200		99	70-130		
1,4-Dioxane	205		µg/l		200		103	43.1-144		
trans-1,4-Dichloro-2-butene	14.1		µg/l		20.0		71	70-130		
Ethanol	374		µg/l		400		93	70-130		
Surrogate: 4-Bromofluorobenzene	*51.2*		µg/l		*50.0*		*102*	*70-130*		
Surrogate: Toluene-d8	*51.1*		µg/l		*50.0*		*102*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*49.6*		µg/l		*50.0*		*99*	*70-130*		
Surrogate: Dibromofluoromethane	*50.5*		µg/l		*50.0*		*101*	*70-130*		
LCS Dup (8091370-BSD1)										
Prepared: 18-Sep-08 Analyzed: 19-Sep-08										
1,1,2-Trichlorotrifluoroethane (Freon 113)	23.4		µg/l		20.0		117	70-130	13	25
Acetone	20.3		µg/l		20.0		102	5.22-177	4	50
Acrylonitrile	23.7		µg/l		20.0		118	70-130	0.5	25
Benzene	20.2		µg/l		20.0		101	70-130	7	25

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8091370 - SW846 5030 Water MS										
LCS Dup (8091370-BSD1)										
Prepared: 18-Sep-08 Analyzed: 19-Sep-08										
Bromobenzene	20.4		µg/l		20.0		102	70-130	4	25
Bromochloromethane	20.2		µg/l		20.0		101	70-130	3	25
Bromodichloromethane	19.9		µg/l		20.0		99	70-130	5	25
Bromoform	17.6		µg/l		20.0		88	70-130	1	25
Bromomethane	20.4		µg/l		20.0		102	20.3-173	7	50
2-Butanone (MEK)	19.5		µg/l		20.0		97	40.1-155	1	50
n-Butylbenzene	21.2		µg/l		20.0		106	70-130	11	25
sec-Butylbenzene	21.5		µg/l		20.0		107	70-130	10	25
tert-Butylbenzene	21.4		µg/l		20.0		107	70-130	11	25
Carbon disulfide	21.8		µg/l		20.0		109	70-130	13	25
Carbon tetrachloride	18.4		µg/l		20.0		92	70-130	11	25
Chlorobenzene	20.4		µg/l		20.0		102	70-130	4	25
Chloroethane	19.4		µg/l		20.0		97	58.8-137	11	50
Chloroform	20.7		µg/l		20.0		103	70-130	7	25
Chloromethane	21.1		µg/l		20.0		105	70-130	16	25
2-Chlorotoluene	20.4		µg/l		20.0		102	70-130	8	25
4-Chlorotoluene	20.4		µg/l		20.0		102	70-130	8	25
1,2-Dibromo-3-chloropropane	19.5		µg/l		20.0		98	70-130	1	25
Dibromochloromethane	20.2		µg/l		20.0		101	70-150	3	50
1,2-Dibromoethane (EDB)	20.2		µg/l		20.0		101	70-130	2	25
Dibromomethane	20.8		µg/l		20.0		104	70-130	0.8	25
1,2-Dichlorobenzene	20.2		µg/l		20.0		101	70-130	6	25
1,3-Dichlorobenzene	21.1		µg/l		20.0		105	70-130	6	25
1,4-Dichlorobenzene	18.7		µg/l		20.0		94	70-130	7	25
Dichlorodifluoromethane (Freon12)	21.7		µg/l		20.0		109	40.4-181	16	50
1,1-Dichloroethane	19.9		µg/l		20.0		100	70-130	8	25
1,2-Dichloroethane	20.0		µg/l		20.0		100	70-130	2	25
1,1-Dichloroethene	21.2		µg/l		20.0		106	70-130	11	25
cis-1,2-Dichloroethene	20.7		µg/l		20.0		103	70-130	6	25
trans-1,2-Dichloroethene	18.6		µg/l		20.0		93	70-130	11	25
1,2-Dichloropropane	20.9		µg/l		20.0		104	70-130	6	25
1,3-Dichloropropane	20.7		µg/l		20.0		103	70-130	2	25
2,2-Dichloropropane	16.8		µg/l		20.0		84	70-130	7	25
1,1-Dichloropropene	20.3		µg/l		20.0		102	70-130	10	25
cis-1,3-Dichloropropene	18.7		µg/l		20.0		93	70-130	5	25
trans-1,3-Dichloropropene	18.5		µg/l		20.0		92	70-130	3	25
Ethylbenzene	20.5		µg/l		20.0		102	70-130	6	25
Hexachlorobutadiene	18.8		µg/l		20.0		94	65.3-143	15	50
2-Hexanone (MBK)	20.5		µg/l		20.0		103	70-130	2	25
Isopropylbenzene	19.3		µg/l		20.0		97	70-130	8	25
4-Isopropyltoluene	21.3		µg/l		20.0		106	70-130	11	25
Methyl tert-butyl ether	19.6		µg/l		20.0		98	70-130	0.4	25
4-Methyl-2-pentanone (MIBK)	21.6		µg/l		20.0		108	43.7-137	3	50
Methylene chloride	22.0		µg/l		20.0		110	70-130	7	25
Naphthalene	19.9		µg/l		20.0		99	70-130	5	25
n-Propylbenzene	20.8		µg/l		20.0		104	70-130	10	25
Styrene	20.5		µg/l		20.0		102	70-130	7	25
1,1,1,2-Tetrachloroethane	18.3		µg/l		20.0		92	70-130	7	25
1,1,2,2-Tetrachloroethane	21.0		µg/l		20.0		105	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 8091370 - SW846 5030 Water MS										
LCS Dup (8091370-BSD1)										
Prepared: 18-Sep-08 Analyzed: 19-Sep-08										
Tetrachloroethene	20.6		µg/l		20.0		103	70-130	9	25
Toluene	19.4		µg/l		20.0		97	70-130	7	25
1,2,3-Trichlorobenzene	21.1		µg/l		20.0		106	70-130	7	25
1,2,4-Trichlorobenzene	19.6		µg/l		20.0		98	70-130	8	25
1,3,5-Trichlorobenzene	18.8		µg/l		20.0		94	70-130	12	25
1,1,1-Trichloroethane	19.5		µg/l		20.0		97	70-130	7	25
1,1,2-Trichloroethane	21.2		µg/l		20.0		106	70-130	0.8	25
Trichloroethene	19.7		µg/l		20.0		99	70-130	7	25
Trichlorofluoromethane (Freon 11)	20.0		µg/l		20.0		100	65.3-144	15	50
1,2,3-Trichloropropane	23.7		µg/l		20.0		118	70-130	0.6	25
1,2,4-Trimethylbenzene	19.7		µg/l		20.0		98	70-130	6	25
1,3,5-Trimethylbenzene	21.1		µg/l		20.0		105	70-130	8	25
Vinyl chloride	20.1		µg/l		20.0		101	70-130	10	25
m,p-Xylene	41.4		µg/l		40.0		104	70-130	6	25
o-Xylene	21.9		µg/l		20.0		110	70-130	6	25
Tetrahydrofuran	19.2		µg/l		20.0		96	70-130	3	25
Ethyl ether	20.5		µg/l		20.0		102	70-132	4	50
Tert-amyl methyl ether	20.9		µg/l		20.0		105	70-130	0	25
Ethyl tert-butyl ether	21.3		µg/l		20.0		107	70-130	0.09	25
Di-isopropyl ether	19.5		µg/l		20.0		97	70-130	5	25
Tert-Butanol / butyl alcohol	201		µg/l		200		100	70-130	1	25
1,4-Dioxane	214		µg/l		200		107	43.1-144	4	25
trans-1,4-Dichloro-2-butene	13.9	QC1	µg/l		20.0		69	70-130	2	25
Ethanol	347		µg/l		400		87	70-130	7	30
Surrogate: 4-Bromofluorobenzene	*51.4*		µg/l		*50.0*		*103*	*70-130*		
Surrogate: Toluene-d8	*51.5*		µg/l		*50.0*		*103*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*50.9*		µg/l		*50.0*		*102*	*70-130*		
Surrogate: Dibromofluoromethane	*50.2*		µg/l		*50.0*		*100*	*70-130*		
Matrix Spike (8091370-MS1) **Source: SA84723-08**										
Prepared: 18-Sep-08 Analyzed: 19-Sep-08										
Benzene	18.8		µg/l		20.0	BRL	94	70-130		
Chlorobenzene	21.4		µg/l		20.0	BRL	107	70-130		
1,1-Dichloroethene	14.0		µg/l		20.0	BRL	70	70-130		
Toluene	20.6		µg/l		20.0	BRL	103	70-130		
Trichloroethene	20.5		µg/l		20.0	BRL	103	70-130		
Surrogate: 4-Bromofluorobenzene	*52.0*		µg/l		*50.0*		*104*	*70-130*		
Surrogate: Toluene-d8	*51.7*		µg/l		*50.0*		*103*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*51.3*		µg/l		*50.0*		*103*	*70-130*		
Surrogate: Dibromofluoromethane	*50.2*		µg/l		*50.0*		*100*	*70-130*		
Matrix Spike Dup (8091370-MSD1) **Source: SA84723-08**										
Prepared: 18-Sep-08 Analyzed: 19-Sep-08										
Benzene	18.6		µg/l		20.0	BRL	93	70-130	1	30
Chlorobenzene	21.2		µg/l		20.0	BRL	106	70-130	0.9	30
1,1-Dichloroethene	14.0		µg/l		20.0	BRL	70	70-130	0.07	30
Toluene	20.2		µg/l		20.0	BRL	101	70-130	2	30
Trichloroethene	20.2		µg/l		20.0	BRL	101	70-130	2	30
Surrogate: 4-Bromofluorobenzene	*52.2*		µg/l		*50.0*		*104*	*70-130*		
Surrogate: Toluene-d8	*51.2*		µg/l		*50.0*		*102*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*51.3*		µg/l		*50.0*		*103*	*70-130*		
Surrogate: Dibromofluoromethane	*49.7*		µg/l		*50.0*		*99*	*70-130*		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8091410 - SW846 3550B										
Blank (8091410-BLK1)										
Prepared: 19-Sep-08 Analyzed: 23-Sep-08										
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 8091410 - SW846 3550B										
Blank (8091410-BLK1)										
Prepared: 19-Sep-08 Analyzed: 23-Sep-08										
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	*2220*		µg/kg wet		*3330*		*67*	*30-130*		
Surrogate: 2-Fluorophenol	*2360*		µg/kg wet		*3330*		*71*	*15-110*		
Surrogate: Nitrobenzene-d5	*2150*		µg/kg wet		*3330*		*65*	*30-130*		
Surrogate: Phenol-d5	*2470*		µg/kg wet		*3330*		*74*	*15-110*		
Surrogate: Terphenyl-dl4	*2180*		µg/kg wet		*3330*		*65*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*2080*		µg/kg wet		*3330*		*62*	*15-110*		
LCS (8091410-BS1)										
Prepared: 19-Sep-08 Analyzed: 23-Sep-08										
Acenaphthene	2330		µg/kg wet	330	3330		70	40-130		
Acenaphthylene	2180		µg/kg wet	330	3330		65	40-130		
Aniline	1600		µg/kg wet	330	3330		48	40-130		
Anthracene	2310		µg/kg wet	330	3330		69	40-130		
Atrazine	2400		µg/kg wet	330	3330		72	40-130		
Azobenzene/Diphenyldiazine	2640		µg/kg wet	330	3330		79	40-130		
Benzidine	BRL		µg/kg wet	330	3330			0-153		
Benzo (a) anthracene	2410		µg/kg wet	330	3330		72	40-130		
Benzo (a) pyrene	2260		µg/kg wet	330	3330		68	40-130		
Benzo (b) fluoranthene	2130		µg/kg wet	330	3330		64	40-130		
Benzo (g,h,i) perylene	1780		µg/kg wet	330	3330		53	40-130		
Benzo (k) fluoranthene	2630		µg/kg wet	330	3330		79	40-130		
Benzoic acid	2050		µg/kg wet	330	3330		62	0-130		
Benzyl alcohol	2540		µg/kg wet	330	3330		76	40-130		
Bis(2-chloroethoxy)methane	2850		µg/kg wet	330	3330		85	40-130		
Bis(2-chloroethyl)ether	2760		µg/kg wet	330	3330		83	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 8091410 - SW846 3550B										
LCS (8091410-BS1)										
Prepared: 19-Sep-08 Analyzed: 23-Sep-08										
Bis(2-chloroisopropyl)ether	3660		µg/kg wet	330	3330		110	40-130		
Bis(2-ethylhexyl)phthalate	3190		µg/kg wet	330	3330		96	40-130		
4-Bromophenyl phenyl ether	2460		µg/kg wet	330	3330		74	40-130		
Butyl benzyl phthalate	3040		µg/kg wet	330	3330		91	40-130		
Carbazole	2390		µg/kg wet	330	3330		72	40-130		
4-Chloro-3-methylphenol	2270		µg/kg wet	330	3330		68	40-130		
4-Chloroaniline	1920		µg/kg wet	330	3330		57	40-130		
2-Chloronaphthalene	2180		µg/kg wet	330	3330		65	40-130		
2-Chlorophenol	2180		µg/kg wet	330	3330		65	40-130		
4-Chlorophenyl phenyl ether	2480		µg/kg wet	330	3330		74	40-130		
Chrysene	2510		µg/kg wet	330	3330		75	40-130		
Dibenzo (a,h) anthracene	2000		µg/kg wet	330	3330		60	40-130		
Dibenzofuran	2170		µg/kg wet	330	3330		65	40-130		
1,2-Dichlorobenzene	2150		µg/kg wet	330	3330		64	40-130		
1,3-Dichlorobenzene	2070		µg/kg wet	330	3330		62	40-130		
1,4-Dichlorobenzene	2130		µg/kg wet	330	3330		64	40-130		
3,3´-Dichlorobenzidine	2490		µg/kg wet	330	3330		75	40-130		
2,4-Dichlorophenol	2140		µg/kg wet	330	3330		64	40-130		
Diethyl phthalate	3040		µg/kg wet	330	3330		91	40-130		
Dimethyl phthalate	2590		µg/kg wet	330	3330		78	40-130		
2,4-Dimethylphenol	2000		µg/kg wet	330	3330		60	40-130		
Di-n-butyl phthalate	2790		µg/kg wet	330	3330		84	40-130		
4,6-Dinitro-2-methylphenol	2130		µg/kg wet	330	3330		64	40-130		
2,4-Dinitrophenol	1530		µg/kg wet	330	3330		46	40-130		
2,4-Dinitrotoluene	2210		µg/kg wet	330	3330		66	40-130		
2,6-Dinitrotoluene	2210		µg/kg wet	330	3330		66	40-130		
Di-n-octyl phthalate	3210		µg/kg wet	330	3330		96	40-130		
Fluoranthene	2300		µg/kg wet	330	3330		69	40-130		
Fluorene	2260		µg/kg wet	330	3330		68	40-130		
Hexachlorobenzene	2040		µg/kg wet	330	3330		61	40-130		
Hexachlorobutadiene	2070		µg/kg wet	330	3330		62	40-130		
Hexachlorocyclopentadiene	1760		µg/kg wet	330	3330		53	40-130		
Hexachloroethane	2280		µg/kg wet	330	3330		68	40-130		
Indeno (1,2,3-cd) pyrene	1790		µg/kg wet	330	3330		54	40-130		
1-Methylnaphthalene	2300		µg/kg wet	330	3330		69	40-140		
Isophorone	2260		µg/kg wet	330	3330		68	40-130		
2-Methylnaphthalene	2450		µg/kg wet	330	3330		74	40-130		
2-Methylphenol	2410		µg/kg wet	330	3330		72	40-130		
3 & 4-Methylphenol	2910		µg/kg wet	330	3330		87	40-130		
Naphthalene	2330		µg/kg wet	330	3330		70	40-130		
2-Nitroaniline	2220		µg/kg wet	330	3330		67	40-130		
3-Nitroaniline	2080		µg/kg wet	330	3330		62	40-130		
4-Nitroaniline	2250		µg/kg wet	1320	3330		68	40-130		
Nitrobenzene	2360		µg/kg wet	330	3330		71	40-130		
2-Nitrophenol	2150		µg/kg wet	330	3330		64	40-130		
4-Nitrophenol	2120		µg/kg wet	1320	3330		64	40-130		
N-Nitrosodimethylamine	2880		µg/kg wet	330	3330		86	40-130		
N-Nitrosodi-n-propylamine	3170		µg/kg wet	330	3330		95	40-130		
N-Nitrosodiphenylamine	2670		µg/kg wet	330	3330		80	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 8091410 - SW846 3550B										
LCS (8091410-BS1)										
Prepared: 19-Sep-08 Analyzed: 23-Sep-08										
Pentachlorophenol	1700		µg/kg wet	330	3330		51	40-130		
Phenanthrene	2300		µg/kg wet	330	3330		69	40-130		
Phenol	2330		µg/kg wet	330	3330		70	40-130		
Pyrene	2480		µg/kg wet	330	3330		74	40-130		
Pyridine	916		µg/kg wet	330	3330		27	0-130		
1,2,4-Trichlorobenzene	2030		µg/kg wet	330	3330		61	40-130		
2,4,5-Trichlorophenol	2160		µg/kg wet	330	3330		65	40-130		
2,4,6-Trichlorophenol	2080		µg/kg wet	330	3330		62	40-130		
Pentachloronitrobenzene	2010		µg/kg wet	330	3330		60	40-140		
1,2,4,5-Tetrachlorobenzene	1910		µg/kg wet	330	3330		57	40-140		
Surrogate: 2-Fluorobiphenyl	*2220*		µg/kg wet		*3330*		*67*	*30-130*		
Surrogate: 2-Fluorophenol	*2220*		µg/kg wet		*3330*		*67*	*15-110*		
Surrogate: Nitrobenzene-d5	*2300*		µg/kg wet		*3330*		*69*	*30-130*		
Surrogate: Phenol-d5	*2280*		µg/kg wet		*3330*		*68*	*15-110*		
Surrogate: Terphenyl-dl4	*2310*		µg/kg wet		*3330*		*69*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*2150*		µg/kg wet		*3330*		*65*	*15-110*		
Duplicate (8091410-DUP1) **Source: SA84680-04**										
Prepared: 19-Sep-08 Analyzed: 23-Sep-08										
Acenaphthene	BRL		µg/kg dry	388		BRL				50
Acenaphthylene	BRL		µg/kg dry	388		BRL				50
Aniline	BRL		µg/kg dry	388		BRL				50
Anthracene	BRL		µg/kg dry	388		BRL				50
Atrazine	BRL		µg/kg dry	388		BRL				50
Azobenzene/Diphenyldiazine	BRL		µg/kg dry	388		BRL				50
Benzidine	BRL		µg/kg dry	388		BRL				50
Benzo (a) anthracene	BRL		µg/kg dry	388		BRL				50
Benzo (a) pyrene	BRL		µg/kg dry	388		BRL				50
Benzo (b) fluoranthene	BRL		µg/kg dry	388		BRL				50
Benzo (g,h,i) perylene	BRL		µg/kg dry	388		BRL				50
Benzo (k) fluoranthene	BRL		µg/kg dry	388		BRL				50
Benzoic acid	BRL		µg/kg dry	388		BRL				50
Benzyl alcohol	BRL		µg/kg dry	388		BRL				50
Bis(2-chloroethoxy)methane	BRL		µg/kg dry	388		BRL				50
Bis(2-chloroethyl)ether	BRL		µg/kg dry	388		BRL				50
Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	388		BRL				50
Bis(2-ethylhexyl)phthalate	359	J	µg/kg dry	388		291			21	50
4-Bromophenyl phenyl ether	BRL		µg/kg dry	388		BRL				50
Butyl benzyl phthalate	BRL		µg/kg dry	388		BRL				50
Carbazole	BRL		µg/kg dry	388		BRL				50
4-Chloro-3-methylphenol	BRL		µg/kg dry	388		BRL				50
4-Chloroaniline	BRL		µg/kg dry	388		BRL				50
2-Chloronaphthalene	BRL		µg/kg dry	388		BRL				50
2-Chlorophenol	BRL		µg/kg dry	388		BRL				50
4-Chlorophenyl phenyl ether	BRL		µg/kg dry	388		BRL				50
Chrysene	BRL		µg/kg dry	388		BRL				50
Dibenzo (a,h) anthracene	BRL		µg/kg dry	388		BRL				50
Dibenzofuran	BRL		µg/kg dry	388		BRL				50
1,2-Dichlorobenzene	BRL		µg/kg dry	388		BRL				50
1,3-Dichlorobenzene	BRL		µg/kg dry	388		BRL				50
1,4-Dichlorobenzene	BRL		µg/kg dry	388		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 8091410 - SW846 3550B										
Duplicate (8091410-DUP1) **Source: SA84680-04**										
Prepared: 19-Sep-08 Analyzed: 23-Sep-08										
3,3'-Dichlorobenzidine	BRL		µg/kg dry	388		BRL				50
2,4-Dichlorophenol	BRL		µg/kg dry	388		BRL				50
Diethyl phthalate	BRL		µg/kg dry	388		BRL				50
Dimethyl phthalate	BRL		µg/kg dry	388		BRL				50
2,4-Dimethylphenol	BRL		µg/kg dry	388		BRL				50
Di-n-butyl phthalate	BRL		µg/kg dry	388		BRL				50
4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	388		BRL				50
2,4-Dinitrophenol	BRL		µg/kg dry	388		BRL				50
2,4-Dinitrotoluene	BRL		µg/kg dry	388		BRL				50
2,6-Dinitrotoluene	BRL		µg/kg dry	388		BRL				50
Di-n-octyl phthalate	BRL		µg/kg dry	388		BRL				50
Fluoranthene	BRL		µg/kg dry	388		BRL				50
Fluorene	BRL		µg/kg dry	388		BRL				50
Hexachlorobenzene	BRL		µg/kg dry	388		BRL				50
Hexachlorobutadiene	BRL		µg/kg dry	388		BRL				50
Hexachlorocyclopentadiene	BRL		µg/kg dry	388		BRL				50
Hexachloroethane	BRL		µg/kg dry	388		BRL				50
Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	388		BRL				50
Isophorone	BRL		µg/kg dry	388		BRL				50
1-Methylnaphthalene	BRL		µg/kg dry	388		BRL				50
2-Methylnaphthalene	BRL		µg/kg dry	388		BRL				50
2-Methylphenol	BRL		µg/kg dry	388		BRL				50
3 & 4-Methylphenol	BRL		µg/kg dry	388		BRL				50
Naphthalene	BRL		µg/kg dry	388		BRL				50
2-Nitroaniline	BRL		µg/kg dry	388		BRL				50
3-Nitroaniline	BRL		µg/kg dry	388		BRL				50
4-Nitroaniline	BRL		µg/kg dry	1550		BRL				50
Nitrobenzene	BRL		µg/kg dry	388		BRL				50
2-Nitrophenol	BRL		µg/kg dry	388		BRL				50
4-Nitrophenol	BRL		µg/kg dry	1550		BRL				50
N-Nitrosodimethylamine	BRL		µg/kg dry	388		BRL				50
N-Nitrosodi-n-propylamine	BRL		µg/kg dry	388		BRL				50
N-Nitrosodiphenylamine	BRL		µg/kg dry	388		BRL				50
Pentachlorophenol	BRL		µg/kg dry	388		BRL				50
Phenanthrene	BRL		µg/kg dry	388		BRL				50
Phenol	BRL		µg/kg dry	388		BRL				50
Pyrene	BRL		µg/kg dry	388		BRL				50
Pyridine	BRL		µg/kg dry	388		BRL				50
1,2,4-Trichlorobenzene	BRL		µg/kg dry	388		BRL				50
2,4,5-Trichlorophenol	BRL		µg/kg dry	388		BRL				50
2,4,6-Trichlorophenol	BRL		µg/kg dry	388		BRL				50
Pentachloronitrobenzene	BRL		µg/kg dry	388		BRL				50
1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	388		BRL				50
Surrogate: 2-Fluorobiphenyl	*1340*		µg/kg dry		*1960*		*68*	*30-130*		
Surrogate: 2-Fluorophenol	*1370*		µg/kg dry		*1960*		*70*	*15-110*		
Surrogate: Nitrobenzene-d5	*1230*		µg/kg dry		*1960*		*63*	*30-130*		
Surrogate: Phenol-d5	*1390*		µg/kg dry		*1960*		*71*	*15-110*		
Surrogate: Terphenyl-d14	*1330*		µg/kg dry		*1960*		*68*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*1200*		µg/kg dry		*1960*		*61*	*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 8091410 - SW846 3550B										
Matrix Spike (8091410-MS1) Source: SA84680-04										
Prepared: 19-Sep-08 Analyzed: 23-Sep-08										
Acenaphthene	1150		µg/kg dry	193	1950	BRL	59	40-140		
Benzo (b) fluoranthene	1000		µg/kg dry	193	1950	BRL	52	40-140		
Benzo (k) fluoranthene	1280		µg/kg dry	193	1950	BRL	66	40-140		
4-Chloro-3-methylphenol	1100		µg/kg dry	193	1950	BRL	56	30-130		
2-Chlorophenol	1060		µg/kg dry	193	1950	BRL	54	30-130		
Chrysene	1220		µg/kg dry	193	1950	BRL	62	40-140		
1,4-Dichlorobenzene	1060		µg/kg dry	193	1950	BRL	54	40-140		
Indeno (1,2,3-cd) pyrene	854		µg/kg dry	193	1950	BRL	44	40-140		
Naphthalene	1140		µg/kg dry	193	1950	BRL	59	40-140		
4-Nitrophenol	968		µg/kg dry	772	1950	BRL	50	30-130		
N-Nitrosodi-n-propylamine	1530		µg/kg dry	193	1950	BRL	79	40-140		
Pentachlorophenol	851		µg/kg dry	193	1950	BRL	44	30-130		
Phenol	1120		µg/kg dry	193	1950	BRL	58	30-130		
Pyrene	1230		µg/kg dry	193	1950	BRL	63	40-140		
1,2,4-Trichlorobenzene	1000		µg/kg dry	193	1950	BRL	52	40-140		
Surrogate: 2-Fluorobiphenyl	*1110*		µg/kg dry		*1950*		*57*	*30-130*		
Surrogate: 2-Fluorophenol	*1110*		µg/kg dry		*1950*		*57*	*15-110*		
Surrogate: Nitrobenzene-d5	*1170*		µg/kg dry		*1950*		*60*	*30-130*		
Surrogate: Phenol-d5	*1130*		µg/kg dry		*1950*		*58*	*15-110*		
Surrogate: Terphenyl-dl4	*1140*		µg/kg dry		*1950*		*59*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*1080*		µg/kg dry		*1950*		*55*	*15-110*		
Matrix Spike Dup (8091410-MSD1) Source: SA84680-04										
Prepared: 19-Sep-08 Analyzed: 23-Sep-08										
Acenaphthene	1260		µg/kg dry	194	1960	BRL	64	40-140	9	30
Benzo (b) fluoranthene	1180		µg/kg dry	194	1960	BRL	60	40-140	15	30
Benzo (k) fluoranthene	1320		µg/kg dry	194	1960	BRL	67	40-140	3	30
4-Chloro-3-methylphenol	1200		µg/kg dry	194	1960	BRL	61	30-130	8	30
2-Chlorophenol	1190		µg/kg dry	194	1960	BRL	61	30-130	11	30
Chrysene	1320		µg/kg dry	194	1960	BRL	67	40-140	8	30
1,4-Dichlorobenzene	1140		µg/kg dry	194	1960	BRL	58	40-140	7	30
Indeno (1,2,3-cd) pyrene	932		µg/kg dry	194	1960	BRL	48	40-140	8	30
Naphthalene	1240		µg/kg dry	194	1960	BRL	64	40-140	8	30
4-Nitrophenol	1110		µg/kg dry	775	1960	BRL	57	30-130	13	30
N-Nitrosodi-n-propylamine	1720		µg/kg dry	194	1960	BRL	88	40-140	11	30
Pentachlorophenol	916		µg/kg dry	194	1960	BRL	47	30-130	7	30
Phenol	1270		µg/kg dry	194	1960	BRL	65	30-130	12	30
Pyrene	1340		µg/kg dry	194	1960	BRL	69	40-140	8	30
1,2,4-Trichlorobenzene	1070		µg/kg dry	194	1960	BRL	55	40-140	6	30
Surrogate: 2-Fluorobiphenyl	*1170*		µg/kg dry		*1960*		*60*	*30-130*		
Surrogate: 2-Fluorophenol	*1190*		µg/kg dry		*1960*		*61*	*15-110*		
Surrogate: Nitrobenzene-d5	*1220*		µg/kg dry		*1960*		*63*	*30-130*		
Surrogate: Phenol-d5	*1220*		µg/kg dry		*1960*		*62*	*15-110*		
Surrogate: Terphenyl-dl4	*1210*		µg/kg dry		*1960*		*62*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*1130*		µg/kg dry		*1960*		*58*	*15-110*		
Batch 8091469 - SW846 3510C										
Blank (8091469-BLK1)										
Prepared: 19-Sep-08 Analyzed: 22-Sep-08										
Acenaphthene	BRL		µg/l	5.00						
Acenaphthylene	BRL		µg/l	5.00						
Aniline	BRL		µg/l	5.00						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8091469 - SW846 3510C										
Blank (8091469-BLK1)										
Prepared: 19-Sep-08 Analyzed: 22-Sep-08										
Anthracene	BRL		µg/l	5.00						
Atrazine	BRL		µg/l	5.00						
Azobenzene/Diphenyldiazine	BRL		µg/l	5.00						
Benzidine	BRL		µg/l	5.00						
Benzo (a) anthracene	BRL		µg/l	5.00						
Benzo (a) pyrene	BRL		µg/l	5.00						
Benzo (b) fluoranthene	BRL		µg/l	5.00						
Benzo (g,h,i) perylene	BRL		µg/l	5.00						
Benzo (k) fluoranthene	BRL		µg/l	5.00						
Benzoic acid	BRL		µg/l	5.00						
Benzyl alcohol	BRL		µg/l	5.00						
Bis(2-chloroethoxy)methane	BRL		µg/l	5.00						
Bis(2-chloroethyl)ether	BRL		µg/l	5.00						
Bis(2-chloroisopropyl)ether	BRL		µg/l	5.00						
Bis(2-ethylhexyl)phthalate	BRL		µg/l	5.00						
4-Bromophenyl phenyl ether	BRL		µg/l	5.00						
Butyl benzyl phthalate	BRL		µg/l	5.00						
Carbazole	BRL		µg/l	5.00						
4-Chloro-3-methylphenol	BRL		µg/l	5.00						
4-Chloroaniline	BRL		µg/l	5.00						
2-Chloronaphthalene	BRL		µg/l	5.00						
2-Chlorophenol	BRL		µg/l	5.00						
4-Chlorophenyl phenyl ether	BRL		µg/l	5.00						
Chrysene	BRL		µg/l	5.00						
Dibenzo (a,h) anthracene	BRL		µg/l	5.00						
Dibenzofuran	BRL		µg/l	5.00						
1,2-Dichlorobenzene	BRL		µg/l	5.00						
1,3-Dichlorobenzene	BRL		µg/l	5.00						
1,4-Dichlorobenzene	BRL		µg/l	5.00						
3,3'-Dichlorobenzidine	BRL		µg/l	5.00						
2,4-Dichlorophenol	BRL		µg/l	5.00						
Diethyl phthalate	BRL		µg/l	5.00						
Dimethyl phthalate	BRL		µg/l	5.00						
2,4-Dimethylphenol	BRL		µg/l	5.00						
Di-n-butyl phthalate	BRL		µg/l	5.00						
4,6-Dinitro-2-methylphenol	BRL		µg/l	5.00						
2,4-Dinitrophenol	BRL		µg/l	5.00						
2,4-Dinitrotoluene	BRL		µg/l	5.00						
2,6-Dinitrotoluene	BRL		µg/l	5.00						
Di-n-octyl phthalate	BRL		µg/l	5.00						
Fluoranthene	BRL		µg/l	5.00						
Fluorene	BRL		µg/l	5.00						
Hexachlorobenzene	BRL		µg/l	5.00						
Hexachlorobutadiene	BRL		µg/l	5.00						
Hexachlorocyclopentadiene	BRL		µg/l	5.00						
Hexachloroethane	BRL		µg/l	5.00						
Indeno (1,2,3-cd) pyrene	BRL		µg/l	5.00						
Isophorone	BRL		µg/l	5.00						
2-Methylnaphthalene	BRL		µg/l	5.00						

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8091469 - SW846 3510C										
Blank (8091469-BLK1)										
Prepared: 19-Sep-08 Analyzed: 22-Sep-08										
2-Methylphenol	BRL		µg/l	5.00						
3 & 4-Methylphenol	BRL		µg/l	10.0						
Naphthalene	BRL		µg/l	5.00						
2-Nitroaniline	BRL		µg/l	5.00						
3-Nitroaniline	BRL		µg/l	5.00						
4-Nitroaniline	BRL		µg/l	20.0						
Nitrobenzene	BRL		µg/l	5.00						
2-Nitrophenol	BRL		µg/l	5.00						
4-Nitrophenol	BRL		µg/l	20.0						
N-Nitrosodimethylamine	BRL		µg/l	5.00						
N-Nitrosodi-n-propylamine	BRL		µg/l	5.00						
N-Nitrosodiphenylamine	BRL		µg/l	5.00						
Pentachlorophenol	BRL		µg/l	20.0						
Phenanthrene	BRL		µg/l	5.00						
Phenol	BRL		µg/l	5.00						
Pyrene	BRL		µg/l	5.00						
Pyridine	BRL		µg/l	5.00						
1,2,4-Trichlorobenzene	BRL		µg/l	5.00						
1-Methylnaphthalene	BRL		µg/l	5.00						
2,4,5-Trichlorophenol	BRL		µg/l	5.00						
2,4,6-Trichlorophenol	BRL		µg/l	5.00						
Pentachloronitrobenzene	BRL		µg/l	5.00						
1,2,4,5-Tetrachlorobenzene	BRL		µg/l	5.00						
Surrogate: 2-Fluorobiphenyl	*35.5*		µg/l		*50.0*		*71*	*30-130*		
Surrogate: 2-Fluorophenol	*40.6*		µg/l		*50.0*		*81*	*15-110*		
Surrogate: Nitrobenzene-d5	*36.5*		µg/l		*50.0*		*73*	*30-130*		
Surrogate: Phenol-d5	*42.2*		µg/l		*50.0*		*84*	*15-110*		
Surrogate: Terphenyl-dl4	*36.2*		µg/l		*50.0*		*72*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*35.1*		µg/l		*50.0*		*70*	*15-110*		
LCS (8091469-BS1)										
Prepared: 19-Sep-08 Analyzed: 22-Sep-08										
Acenaphthene	38.2		µg/l	5.00	50.0		76	40-130		
Acenaphthylene	35.3		µg/l	5.00	50.0		71	40-130		
Aniline	32.3		µg/l	5.00	50.0		65	40-130		
Anthracene	39.2		µg/l	5.00	50.0		78	40-130		
Atrazine	40.1		µg/l	5.00	50.0		80	40-130		
Azobenzene/Diphenyldiazine	45.3		µg/l	5.00	50.0		91	40-130		
Benzidine	12.6		µg/l	5.00	50.0		25	0-194		
Benzo (a) anthracene	44.1		µg/l	5.00	50.0		88	40-130		
Benzo (a) pyrene	40.4		µg/l	5.00	50.0		81	40-130		
Benzo (b) fluoranthene	40.0		µg/l	5.00	50.0		80	40-130		
Benzo (g,h,i) perylene	35.6		µg/l	5.00	50.0		71	40-130		
Benzo (k) fluoranthene	40.0		µg/l	5.00	50.0		80	40-130		
Benzoic acid	38.3		µg/l	5.00	50.0		77	42.5-130		
Benzyl alcohol	39.3		µg/l	5.00	50.0		79	40-130		
Bis(2-chloroethoxy)methane	47.2		µg/l	5.00	50.0		94	40-130		
Bis(2-chloroethyl)ether	46.5		µg/l	5.00	50.0		93	40-130		
Bis(2-chloroisopropyl)ether	62.0		µg/l	5.00	50.0		124	40-130		
Bis(2-ethylhexyl)phthalate	55.4		µg/l	5.00	50.0		111	40-130		
4-Bromophenyl phenyl ether	41.4		µg/l	5.00	50.0		83	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 8091469 - SW846 3510C										
LCS (8091469-BS1)										
Prepared: 19-Sep-08 Analyzed: 22-Sep-08										
Butyl benzyl phthalate	54.0		µg/l	5.00	50.0		108	40-130		
Carbazole	41.0		µg/l	5.00	50.0		82	40-130		
4-Chloro-3-methylphenol	38.6		µg/l	5.00	50.0		77	40-130		
4-Chloroaniline	32.5		µg/l	5.00	50.0		65	40-130		
2-Chloronaphthalene	36.2		µg/l	5.00	50.0		72	40-130		
2-Chlorophenol	36.4		µg/l	5.00	50.0		73	40-130		
4-Chlorophenyl phenyl ether	40.6		µg/l	5.00	50.0		81	40-130		
Chrysene	44.9		µg/l	5.00	50.0		90	40-130		
Dibenzo (a,h) anthracene	38.4		µg/l	5.00	50.0		77	40-130		
Dibenzofuran	37.0		µg/l	5.00	50.0		74	40-130		
1,2-Dichlorobenzene	36.1		µg/l	5.00	50.0		72	40-130		
1,3-Dichlorobenzene	35.2		µg/l	5.00	50.0		70	40-130		
1,4-Dichlorobenzene	35.9		µg/l	5.00	50.0		72	40-130		
3,3'-Dichlorobenzidine	45.2		µg/l	5.00	50.0		90	40-130		
2,4-Dichlorophenol	36.2		µg/l	5.00	50.0		72	40-130		
Diethyl phthalate	49.6		µg/l	5.00	50.0		99	40-130		
Dimethyl phthalate	43.0		µg/l	5.00	50.0		86	40-130		
2,4-Dimethylphenol	37.6		µg/l	5.00	50.0		75	40-130		
Di-n-butyl phthalate	46.0		µg/l	5.00	50.0		92	40-130		
4,6-Dinitro-2-methylphenol	38.6		µg/l	5.00	50.0		77	40-130		
2,4-Dinitrophenol	29.9		µg/l	5.00	50.0		60	40-130		
2,4-Dinitrotoluene	38.3		µg/l	5.00	50.0		77	40-130		
2,6-Dinitrotoluene	38.3		µg/l	5.00	50.0		77	40-130		
Di-n-octyl phthalate	51.1		µg/l	5.00	50.0		102	40-130		
Fluoranthene	38.3		µg/l	5.00	50.0		77	40-130		
Fluorene	35.7		µg/l	5.00	50.0		71	40-130		
Hexachlorobenzene	34.8		µg/l	5.00	50.0		70	40-130		
Hexachlorobutadiene	33.8		µg/l	5.00	50.0		68	40-130		
Hexachlorocyclopentadiene	34.1		µg/l	5.00	50.0		68	40-130		
Hexachloroethane	37.6		µg/l	5.00	50.0		75	40-130		
Indeno (1,2,3-cd) pyrene	36.7		µg/l	5.00	50.0		73	40-130		
Isophorone	37.9		µg/l	5.00	50.0		76	40-130		
2-Methylnaphthalene	42.1		µg/l	5.00	50.0		84	40-130		
2-Methylphenol	42.2		µg/l	5.00	50.0		84	40-130		
3 & 4-Methylphenol	49.2		µg/l	10.0	50.0		98	40-130		
Naphthalene	38.4		µg/l	5.00	50.0		77	40-130		
2-Nitroaniline	38.6		µg/l	5.00	50.0		77	40-130		
3-Nitroaniline	34.0		µg/l	5.00	50.0		68	40-130		
4-Nitroaniline	40.9		µg/l	20.0	50.0		82	40-130		
Nitrobenzene	40.7		µg/l	5.00	50.0		81	40-130		
2-Nitrophenol	36.8		µg/l	5.00	50.0		74	40-130		
4-Nitrophenol	35.3		µg/l	20.0	50.0		71	40-130		
N-Nitrosodimethylamine	50.1		µg/l	5.00	50.0		100	40-130		
N-Nitrosodi-n-propylamine	53.2		µg/l	5.00	50.0		106	40-130		
N-Nitrosodiphenylamine	44.2		µg/l	5.00	50.0		88	40-130		
Pentachlorophenol	30.3		µg/l	20.0	50.0		61	40-130		
Phenanthrene	38.5		µg/l	5.00	50.0		77	40-130		
Phenol	39.6		µg/l	5.00	50.0		79	40-130		
Pyrene	44.8		µg/l	5.00	50.0		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 8091469 - SW846 3510C										
LCS (8091469-BS1)										
Prepared: 19-Sep-08 Analyzed: 22-Sep-08										
Pyridine	37.4		µg/l	5.00	50.0		75	0-138		
1,2,4-Trichlorobenzene	33.8		µg/l	5.00	50.0		68	40-130		
1-Methylnaphthalene	38.2		µg/l	5.00	50.0		76	40-140		
2,4,5-Trichlorophenol	37.5		µg/l	5.00	50.0		75	40-130		
2,4,6-Trichlorophenol	35.6		µg/l	5.00	50.0		71	40-130		
Pentachloronitrobenzene	34.0		µg/l	5.00	50.0		68	40-140		
1,2,4,5-Tetrachlorobenzene	31.5		µg/l	5.00	50.0		63	40-140		
Surrogate: 2-Fluorobiphenyl	*35.3*		µg/l		*50.0*		*71*	*30-130*		
Surrogate: 2-Fluorophenol	*37.7*		µg/l		*50.0*		*75*	*15-110*		
Surrogate: Nitrobenzene-d5	*38.1*		µg/l		*50.0*		*76*	*30-130*		
Surrogate: Phenol-d5	*38.1*		µg/l		*50.0*		*76*	*15-110*		
Surrogate: Terphenyl-dl4	*40.2*		µg/l		*50.0*		*80*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*37.2*		µg/l		*50.0*		*74*	*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 8091422 - SW846 3510C										
Blank (8091422-BLK1)										
Prepared: 19-Sep-08 Analyzed: 20-Sep-08										
PCB 1016	BRL		µg/l	0.200						
PCB 1221	BRL		µg/l	0.200						
PCB 1232	BRL		µg/l	0.200						
PCB 1242	BRL		µg/l	0.200						
PCB 1248	BRL		µg/l	0.200						
PCB 1254	BRL		µg/l	0.200						
PCB 1260	BRL		µg/l	0.200						
PCB 1262	BRL		µg/l	0.200						
PCB 1268	BRL		µg/l	0.200						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*BRL*		µg/l		*0.200*		*65*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*BRL*		µg/l		*0.200*		*65*	*30-150*		
LCS (8091422-BS1)										
Prepared: 19-Sep-08 Analyzed: 20-Sep-08										
PCB 1016	2.17		µg/l	0.200	2.50		87	40-140		
PCB 1260	1.90		µg/l	0.200	2.50		76	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.124*		µg/l		*0.200*		*62*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.138*		µg/l		*0.200*		*69*	*30-150*		
LCS Dup (8091422-BSD1)										
Prepared: 19-Sep-08 Analyzed: 20-Sep-08										
PCB 1016	2.02		µg/l	0.200	2.50		81	40-140	7	20
PCB 1260	1.95		µg/l	0.200	2.50		78	40-140	2	20
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.121*		µg/l		*0.200*		*60*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.128*		µg/l		*0.200*		*64*	*30-150*		
Batch 8091560 - SW846 3545A										
Blank (8091560-BLK1)										
Prepared & Analyzed: 22-Sep-08										
PCB 1016	BRL		µg/kg wet	20.0						
PCB 1221	BRL		µg/kg wet	20.0						
PCB 1232	BRL		µg/kg wet	20.0						
PCB 1242	BRL		µg/kg wet	20.0						
PCB 1248	BRL		µg/kg wet	20.0						
PCB 1254	BRL		µg/kg wet	20.0						
PCB 1260	BRL		µg/kg wet	20.0						
PCB 1262	BRL		µg/kg wet	20.0						
PCB 1268	BRL		µg/kg wet	20.0						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*16.2*		µg/kg wet		*20.0*		*81*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*16.6*		µg/kg wet		*20.0*		*83*	*30-150*		
LCS (8091560-BS1)										
Prepared & Analyzed: 22-Sep-08										
PCB 1016	205		µg/kg wet	20.0	250		82	40-140		
PCB 1260	224		µg/kg wet	20.0	250		89	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*15.2*		µg/kg wet		*20.0*		*76*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*17.2*		µg/kg wet		*20.0*		*86*	*30-150*		
LCS Dup (8091560-BSD1)										
Prepared & Analyzed: 22-Sep-08										
PCB 1016	210		µg/kg wet	20.0	250		84	40-140	2	30
PCB 1260	218		µg/kg wet	20.0	250		87	40-140	2	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*15.5*		µg/kg wet		*20.0*		*78*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*17.6*		µg/kg wet		*20.0*		*88*	*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 8091560 - SW846 3545A										
Duplicate (8091560-DUP1)	**Source: SA84680-06**									
Prepared & Analyzed: 22-Sep-08										
PCB 1016	BRL		µg/kg dry	20.9		BRL				40
PCB 1221	BRL		µg/kg dry	20.9		BRL				40
PCB 1232	BRL		µg/kg dry	20.9		BRL				40
PCB 1242	BRL		µg/kg dry	20.9		BRL				40
PCB 1248	BRL		µg/kg dry	20.9		BRL				40
PCB 1254	BRL		µg/kg dry	20.9		BRL				40
PCB 1260	BRL		µg/kg dry	20.9		BRL				40
PCB 1262	BRL		µg/kg dry	20.9		BRL				40
PCB 1268	BRL		µg/kg dry	20.9		BRL				40
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*16.0*		µg/kg dry		*20.9*		*77*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*16.9*		µg/kg dry		*20.9*		*81*	*30-150*		
Matrix Spike (8091560-MS1)	**Source: SA84680-06**									
Prepared & Analyzed: 22-Sep-08										
PCB 1016	209		µg/kg dry	21.0	262	BRL	80	40-140		
PCB 1260	233		µg/kg dry	21.0	262	BRL	89	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*15.4*		µg/kg dry		*20.9*		*73*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*17.1*		µg/kg dry		*20.9*		*82*	*30-150*		
Matrix Spike Dup (8091560-MSD1)	**Source: SA84680-06**									
Prepared & Analyzed: 22-Sep-08										
PCB 1016	224		µg/kg dry	20.8	260	BRL	86	40-140	8	50
PCB 1260	242		µg/kg dry	20.8	260	BRL	93	40-140	5	50
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*16.2*		µg/kg dry		*20.8*		*78*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*17.9*		µg/kg dry		*20.8*		*86*	*30-150*		

Extractable Petroleum Hydrocarbons - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8091411 - SW846 3550B										
Blank (8091411-BLK1)										
Prepared: 19-Sep-08 Analyzed: 22-Sep-08										
Gasoline	BRL		mg/kg wet	13.3						
Fuel Oil #2	BRL		mg/kg wet	13.3						
Fuel Oil #4	BRL		mg/kg wet	13.3						
Fuel Oil #6	BRL		mg/kg wet	13.3						
Motor Oil	BRL		mg/kg wet	13.3						
Aviation Fuel	BRL		mg/kg wet	13.3						
Unidentified	BRL		mg/kg wet	13.3						
Other Oil	BRL		mg/kg wet	13.3						
Total Petroleum Hydrocarbons	BRL		mg/kg wet	13.3						
C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg wet	13.3						
Surrogate: 1-Chlorooctadecane	*2.21*		mg/kg wet		*3.33*		*66*	*50-150*		
LCS (8091411-BS1)										
Prepared: 19-Sep-08 Analyzed: 22-Sep-08										
C9-C36 Aliphatic Hydrocarbons	73.4		mg/kg wet	13.3	93.3		79	60-120		
Surrogate: 1-Chlorooctadecane	*2.34*		mg/kg wet		*3.33*		*70*	*50-150*		
Duplicate (8091411-DUP1) **Source: SA84680-04**										
Prepared: 19-Sep-08 Analyzed: 22-Sep-08										
Gasoline	BRL		mg/kg dry	15.6		BRL				50
Fuel Oil #2	BRL		mg/kg dry	15.6		BRL				50
Fuel Oil #4	BRL		mg/kg dry	15.6		BRL				50
Fuel Oil #6	BRL		mg/kg dry	15.6		BRL				50
Motor Oil	BRL		mg/kg dry	15.6		BRL				50
Aviation Fuel	BRL		mg/kg dry	15.6		BRL				50
Unidentified	BRL		mg/kg dry	15.6		BRL				50
Other Oil	BRL		mg/kg dry	15.6		BRL				50
Total Petroleum Hydrocarbons	BRL		mg/kg dry	15.6		BRL				50
C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	15.6		BRL				50
Surrogate: 1-Chlorooctadecane	*1.36*		mg/kg dry		*1.96*		*70*	*50-150*		
Matrix Spike (8091411-MS1) **Source: SA84680-04**										
Prepared: 19-Sep-08 Analyzed: 22-Sep-08										
C9-C36 Aliphatic Hydrocarbons	74.1		mg/kg dry	15.6	109	BRL	68	50-150		
Surrogate: 1-Chlorooctadecane	*2.32*		mg/kg dry		*3.90*		*59*	*50-150*		
Matrix Spike Dup (8091411-MSD1) **Source: SA84680-04**										
Prepared: 19-Sep-08 Analyzed: 22-Sep-08										
C9-C36 Aliphatic Hydrocarbons	79.4		mg/kg dry	15.4	108	BRL	73	50-150	8	30
Surrogate: 1-Chlorooctadecane	*2.55*		mg/kg dry		*3.87*		*66*	*50-150*		
Batch 8091463 - SW846 3510C										
Blank (8091463-BLK1)										
Prepared: 19-Sep-08 Analyzed: 25-Sep-08										
Gasoline	BRL		mg/l	0.05						
Fuel Oil #2	BRL		mg/l	0.05						
Fuel Oil #4	BRL		mg/l	0.05						
Fuel Oil #6	BRL		mg/l	0.05						
Motor Oil	BRL		mg/l	0.05						
Aviation Fuel	BRL		mg/l	0.05						
Unidentified	BRL		mg/l	0.05						
Other Oil	BRL		mg/l	0.05						

Extractable Petroleum Hydrocarbons - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8091463 - SW846 3510C										
Blank (8091463-BLK1)										
Prepared: 19-Sep-08 Analyzed: 25-Sep-08										
Total Petroleum Hydrocarbons	BRL		mg/l	0.05						
C9-C36 Aliphatic Hydrocarbons	BRL		mg/l	0.05						
Surrogate: 1-Chlorooctadecane	*0.0474*		mg/l		*0.0500*		*95*	*50-150*		
LCS (8091463-BS1)										
Prepared: 19-Sep-08 Analyzed: 25-Sep-08										
C9-C36 Aliphatic Hydrocarbons	1.2		mg/l	0.05	1.40		83	60-120		
Surrogate: 1-Chlorooctadecane	*0.0357*		mg/l		*0.0500*		*71*	*50-150*		
Matrix Spike (8091463-MS1) **Source: SA84621-05**										
Prepared: 19-Sep-08 Analyzed: 25-Sep-08										
C9-C36 Aliphatic Hydrocarbons	1.1		mg/l	0.05	1.40	BRL	80	50-150		
Surrogate: 1-Chlorooctadecane	*0.0316*		mg/l		*0.0500*		*63*	*50-150*		
Matrix Spike Dup (8091463-MSD1) **Source: SA84621-05**										
Prepared: 19-Sep-08 Analyzed: 25-Sep-08										
C9-C36 Aliphatic Hydrocarbons	1.0		mg/l	0.05	1.40	BRL	74	50-150	7	30
Surrogate: 1-Chlorooctadecane	*0.0301*		mg/l		*0.0500*		*60*	*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 8091698 - SW846 3005A										
Blank (8091698-BLK1)										
Prepared & Analyzed: 25-Sep-08										
Lead	BRL		mg/l	0.0075						
Selenium	BRL		mg/l	0.0150						
Zinc	BRL		mg/l	0.0050						
Thallium	BRL		mg/l	0.0050						
Nickel	BRL		mg/l	0.0050						
Antimony	BRL		mg/l	0.0060						
Silver	BRL		mg/l	0.0050						
Chromium	BRL		mg/l	0.0050						
Arsenic	BRL		mg/l	0.0040						
Beryllium	BRL		mg/l	0.0020						
Copper	BRL		mg/l	0.0050						
Barium	BRL		mg/l	0.0050						
Cadmium	BRL		mg/l	0.0025						
Vanadium	BRL		mg/l	0.0050						
LCS (8091698-BS1)										
Prepared: 25-Sep-08 Analyzed: 26-Sep-08										
Thallium	1.24		mg/l	0.0050	1.25		99	85-115		
Selenium	1.21		mg/l	0.0150	1.25		97	85-115		
Zinc	1.24		mg/l	0.0050	1.25		99	85-115		
Lead	1.24		mg/l	0.0075	1.25		99	85-115		
Nickel	1.26		mg/l	0.0050	1.25		101	85-115		
Antimony	1.19		mg/l	0.0060	1.25		95	85-115		
Cadmium	1.24		mg/l	0.0025	1.25		99	85-115		
Silver	1.23		mg/l	0.0050	1.25		99	85-115		
Chromium	1.26		mg/l	0.0050	1.25		100	85-115		
Arsenic	1.21		mg/l	0.0040	1.25		97	85-115		
Beryllium	1.30		mg/l	0.0020	1.25		104	85-115		
Copper	1.29		mg/l	0.0050	1.25		103	85-115		
Barium	1.38		mg/l	0.0050	1.25		110	85-115		
Vanadium	1.25		mg/l	0.0050	1.25		100	85-115		
LCS Dup (8091698-BSD1)										
Prepared: 25-Sep-08 Analyzed: 26-Sep-08										
Lead	1.22		mg/l	0.0075	1.25		98	85-115	1	20
Selenium	1.19		mg/l	0.0150	1.25		95	85-115	1	20
Thallium	1.23		mg/l	0.0050	1.25		98	85-115	1	20
Zinc	1.22		mg/l	0.0050	1.25		98	85-115	1	20
Nickel	1.24		mg/l	0.0050	1.25		100	85-115	2	20
Antimony	1.18		mg/l	0.0060	1.25		94	85-115	1	20
Cadmium	1.23		mg/l	0.0025	1.25		98	85-115	1	20
Barium	1.35		mg/l	0.0050	1.25		108	85-115	2	20
Beryllium	1.28		mg/l	0.0020	1.25		103	85-115	1	20
Chromium	1.23		mg/l	0.0050	1.25		98	85-115	2	20
Arsenic	1.19		mg/l	0.0040	1.25		95	85-115	1	20
Copper	1.26		mg/l	0.0050	1.25		101	85-115	2	20
Silver	1.21		mg/l	0.0050	1.25		97	85-115	2	20
Vanadium	1.23		mg/l	0.0050	1.25		98	85-115	2	20
Duplicate (8091698-DUP1)	**Source: SA84621-08**									
Prepared & Analyzed: 25-Sep-08										

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 8091698 - SW846 3005A										
Duplicate (8091698-DUP1)	**Source: SA84621-08**									
Prepared & Analyzed: 25-Sep-08										
Thallium	0.0056	QR8	mg/l	0.0050		0.0041			30	20
Zinc	0.0358	QR6	mg/l	0.0050		0.0660			60	20
Lead	BRL		mg/l	0.0075		BRL				20
Selenium	BRL		mg/l	0.0150		BRL				20
Nickel	BRL		mg/l	0.0050		BRL				20
Antimony	BRL		mg/l	0.0060		BRL				20
Cadmium	0.0002	J,QR8	mg/l	0.0025		0.0004			77	20
Copper	BRL		mg/l	0.0050		BRL				20
Arsenic	0.0049		mg/l	0.0040		0.0048			3	20
Silver	BRL		mg/l	0.0050		0.0145				20
Barium	0.111		mg/l	0.0050		0.113			2	20
Chromium	0.0044	J	mg/l	0.0050		0.0045			3	20
Beryllium	BRL		mg/l	0.0020		BRL				20
Vanadium	BRL		mg/l	0.0050		BRL				20
Matrix Spike (8091698-MS1)	**Source: SA84680-01**									
Prepared & Analyzed: 25-Sep-08										
Selenium	1.23		mg/l	0.0150	1.25	BRL	99	75-125		
Thallium	1.27		mg/l	0.0050	1.25	0.0042	101	75-125		
Lead	1.25		mg/l	0.0075	1.25	BRL	100	75-125		
Zinc	1.26		mg/l	0.0050	1.25	0.0115	100	75-125		
Antimony	1.21		mg/l	0.0060	1.25	BRL	97	75-125		
Nickel	1.29		mg/l	0.0050	1.25	BRL	103	75-125		
Barium	1.39		mg/l	0.0050	1.25	0.0060	111	75-125		
Silver	1.25		mg/l	0.0050	1.25	BRL	100	75-125		
Arsenic	1.24		mg/l	0.0040	1.25	BRL	99	75-125		
Chromium	1.27		mg/l	0.0050	1.25	0.0048	101	75-125		
Copper	1.32		mg/l	0.0050	1.25	0.0046	105	75-125		
Beryllium	1.33		mg/l	0.0020	1.25	BRL	106	75-125		
Cadmium	1.27		mg/l	0.0025	1.25	BRL	101	75-125		
Vanadium	1.26		mg/l	0.0050	1.25	BRL	101	70-130		
Matrix Spike Dup (8091698-MSD1)	**Source: SA84680-01**									
Prepared: 25-Sep-08 Analyzed: 26-Sep-08										
Lead	1.25		mg/l	0.0075	1.25	BRL	100	75-125	0.2	20
Zinc	1.27		mg/l	0.0050	1.25	0.0115	101	75-125	0.7	20
Thallium	1.27		mg/l	0.0050	1.25	0.0042	101	75-125	0.08	20
Selenium	1.23		mg/l	0.0150	1.25	BRL	98	75-125	0.2	20
Antimony	1.21		mg/l	0.0060	1.25	BRL	97	75-125	0.1	20
Nickel	1.29		mg/l	0.0050	1.25	BRL	103	75-125	0.2	20
Silver	1.25		mg/l	0.0050	1.25	BRL	100	75-125	0.1	20
Copper	1.32		mg/l	0.0050	1.25	0.0046	105	75-125	0.04	20
Arsenic	1.23		mg/l	0.0040	1.25	BRL	99	75-125	0.1	20
Beryllium	1.31		mg/l	0.0020	1.25	BRL	105	75-125	2	20
Cadmium	1.27		mg/l	0.0025	1.25	BRL	102	75-125	0.2	20
Chromium	1.26		mg/l	0.0050	1.25	0.0048	101	75-125	0.2	20
Barium	1.39		mg/l	0.0050	1.25	0.0060	111	75-125	0.04	20
Vanadium	1.26		mg/l	0.0050	1.25	BRL	101	70-130	0.2	20
Post Spike (8091698-PS1)	**Source: SA84680-01**									
Prepared: 25-Sep-08 Analyzed: 26-Sep-08										

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 8091698 - SW846 3005A										
Post Spike (8091698-PS1) Source: SA84680-01										
Prepared: 25-Sep-08 Analyzed: 26-Sep-08										
Lead	1.26		mg/l	0.0075	1.25	BRL	101	80-120		
Thallium	1.29		mg/l	0.0050	1.25	0.0042	103	80-120		
Zinc	1.27		mg/l	0.0050	1.25	0.0115	101	80-120		
Selenium	1.24		mg/l	0.0150	1.25	BRL	99	80-120		
Antimony	1.15		mg/l	0.0060	1.25	BRL	92	80-120		
Nickel	1.30		mg/l	0.0050	1.25	BRL	104	80-120		
Chromium	1.28		mg/l	0.0050	1.25	0.0048	102	80-120		
Copper	1.32		mg/l	0.0050	1.25	0.0046	105	80-120		
Silver	1.25		mg/l	0.0050	1.25	BRL	100	80-120		
Cadmium	1.27		mg/l	0.0025	1.25	BRL	102	80-120		
Arsenic	1.25		mg/l	0.0040	1.25	BRL	100	80-120		
Beryllium	1.32		mg/l	0.0020	1.25	BRL	106	80-120		
Barium	1.41		mg/l	0.0050	1.25	0.0060	112	80-120		
Vanadium	1.28		mg/l	0.0050	1.25	BRL	102	80-120		
Batch 8091835 - SW846 3050B										
Blank (8091835-BLK1)										
Prepared: 24-Sep-08 Analyzed: 26-Sep-08										
Antimony	BRL		mg/kg wet	3.00						
Nickel	BRL		mg/kg wet	1.00						
Zinc	BRL		mg/kg wet	1.00						
Thallium	BRL		mg/kg wet	3.00						
Lead	BRL		mg/kg wet	1.50						
Vanadium	BRL		mg/kg wet	1.50						
Selenium	BRL		mg/kg wet	1.50						
Beryllium	BRL		mg/kg wet	0.500						
Cadmium	BRL		mg/kg wet	0.500						
Chromium	BRL		mg/kg wet	1.00						
Copper	BRL		mg/kg wet	1.00						
Arsenic	BRL		mg/kg wet	1.50						
Silver	BRL		mg/kg wet	1.50						
Barium	BRL		mg/kg wet	1.00						
Duplicate (8091835-DUP1) Source: SA84680-03										
Prepared: 24-Sep-08 Analyzed: 26-Sep-08										
Antimony	BRL		mg/kg dry	3.15		BRL				20
Zinc	43.4		mg/kg dry	1.05		47.7			9	20
Nickel	12.6		mg/kg dry	1.05		13.2			5	20
Thallium	2.10	J	mg/kg dry	3.15		2.55			20	20
Lead	14.0		mg/kg dry	1.57		15.7			12	20
Selenium	BRL		mg/kg dry	1.57		0.413				20
Vanadium	31.9		mg/kg dry	1.57		32.9			3	20
Silver	BRL		mg/kg dry	1.57		BRL				20
Beryllium	0.304	J	mg/kg dry	0.525		0.354			15	20
Chromium	22.7		mg/kg dry	1.05		23.3			3	20
Arsenic	1.19	J	mg/kg dry	1.57		1.45			19	20
Copper	19.6	QR6	mg/kg dry	1.05		35.3			57	20
Cadmium	0.593		mg/kg dry	0.525		0.662			11	20
Barium	69.0		mg/kg dry	1.05		76.2			10	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 8091835 - SW846 3050B										
Matrix Spike (8091835-MS1) Source: SA84680-05										
Prepared: 24-Sep-08 Analyzed: 26-Sep-08										
Nickel	139		mg/kg dry	1.12	141	15.1	88	75-125		
Antimony	72.9	QM8	mg/kg dry	3.37	141	BRL	52	75-125		
Zinc	170		mg/kg dry	1.12	141	47.1	87	75-125		
Thallium	130		mg/kg dry	3.37	141	2.60	91	75-125		
Selenium	122		mg/kg dry	1.69	141	0.597	87	75-125		
Lead	149		mg/kg dry	1.69	141	16.8	94	75-125		
Vanadium	163		mg/kg dry	1.69	141	32.6	93	75-125		
Beryllium	120		mg/kg dry	0.562	141	0.425	85	75-125		
Arsenic	143		mg/kg dry	1.69	141	4.29	99	75-125		
Cadmium	123		mg/kg dry	0.562	141	0.729	87	75-125		
Silver	125		mg/kg dry	1.69	141	BRL	89	75-125		
Copper	155		mg/kg dry	1.12	141	22.4	95	75-125		
Chromium	148		mg/kg dry	1.12	141	25.4	87	75-125		
Barium	227		mg/kg dry	1.12	141	83.4	102	75-125		
Matrix Spike Dup (8091835-MSD1) Source: SA84680-05										
Prepared: 24-Sep-08 Analyzed: 26-Sep-08										
Antimony	82.7	QM8	mg/kg dry	3.48	145	BRL	57	75-125	13	20
Nickel	153		mg/kg dry	1.16	145	15.1	95	75-125	10	20
Thallium	142		mg/kg dry	3.48	145	2.60	96	75-125	9	20
Zinc	185		mg/kg dry	1.16	145	47.1	95	75-125	9	20
Lead	156		mg/kg dry	1.74	145	16.8	96	75-125	5	20
Selenium	134		mg/kg dry	1.74	145	0.597	92	75-125	9	20
Vanadium	175		mg/kg dry	1.74	145	32.6	98	75-125	7	20
Beryllium	131		mg/kg dry	0.579	145	0.425	90	75-125	9	20
Chromium	160		mg/kg dry	1.16	145	25.4	93	75-125	8	20
Copper	168		mg/kg dry	1.16	145	22.4	101	75-125	8	20
Silver	140		mg/kg dry	1.74	145	BRL	97	75-125	11	20
Cadmium	135		mg/kg dry	0.579	145	0.729	93	75-125	9	20
Arsenic	141		mg/kg dry	1.74	145	4.29	94	75-125	1	20
Barium	241		mg/kg dry	1.16	145	83.4	109	75-125	6	20
Post Spike (8091835-PS1) Source: SA84680-05										
Prepared: 24-Sep-08 Analyzed: 26-Sep-08										
Zinc	178		mg/kg dry	1.11	138	47.1	95	80-120		
Nickel	147		mg/kg dry	1.11	138	15.1	95	80-120		
Antimony	126		mg/kg dry	3.32	138	BRL	91	80-120		
Thallium	135		mg/kg dry	3.32	138	2.60	96	80-120		
Vanadium	164		mg/kg dry	1.66	138	32.6	95	80-120		
Selenium	128		mg/kg dry	1.66	138	0.597	92	80-120		
Lead	144		mg/kg dry	1.66	138	16.8	92	80-120		
Beryllium	124		mg/kg dry	0.553	138	0.425	90	80-120		
Silver	132		mg/kg dry	1.66	138	BRL	95	80-120		
Copper	162		mg/kg dry	1.11	138	22.4	101	80-120		
Arsenic	136		mg/kg dry	1.66	138	4.29	95	80-120		
Cadmium	128		mg/kg dry	0.553	138	0.729	92	80-120		
Chromium	152		mg/kg dry	1.11	138	25.4	92	80-120		
Barium	215		mg/kg dry	1.11	138	83.4	95	80-120		
Reference (8091835-SRM1)										
Prepared: 24-Sep-08 Analyzed: 26-Sep-08										

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 8091835 - SW846 3050B										
Reference (8091835-SRM1)										
Prepared: 24-Sep-08 Analyzed: 26-Sep-08										
Thallium	78.9		mg/kg wet	3.00	77.3		102	81.6-119.7		
Nickel	59.6		mg/kg wet	1.00	60.5		99	80.4-120.2		
Zinc	138		mg/kg wet	1.00	142		97	81.1-119.3		
Antimony	22.7		mg/kg wet	3.00	40.3		56	0-207.1		
Selenium	46.4		mg/kg wet	1.50	47.9		97	76.8-123.3		
Lead	85.4		mg/kg wet	1.50	85.5		100	81.5-118.5		
Vanadium	61.0		mg/kg wet	1.50	62.6		98	79.5-120.3		
Beryllium	55.7		mg/kg wet	0.500	59.5		94	83.7-116.2		
Silver	39.8		mg/kg wet	1.50	41.3		96	66.3-133		
Copper	80.8		mg/kg wet	1.00	78.8		103	83.2-116.8		
Chromium	110		mg/kg wet	1.00	111		99	81.7-117.9		
Cadmium	50.8		mg/kg wet	0.500	52.4		97	82.8-116.8		
Arsenic	64.0		mg/kg wet	1.50	67.7		95	80.5-120.3		
Barium	123		mg/kg wet	1.00	115		107	81.4-118.6		
Reference (8091835-SRM2)										
Prepared: 24-Sep-08 Analyzed: 26-Sep-08										
Nickel	57.8		mg/kg wet	1.00	59.7		97	80.4-120.2		
Thallium	74.6		mg/kg wet	3.00	76.3		98	81.6-119.7		
Zinc	129		mg/kg wet	1.00	141		92	81.1-119.3		
Antimony	22.5		mg/kg wet	3.00	39.8		57	0-207.1		
Vanadium	59.2		mg/kg wet	1.50	61.7		96	79.5-120.3		
Selenium	43.2		mg/kg wet	1.50	47.2		92	76.8-123.3		
Lead	79.0		mg/kg wet	1.50	84.3		94	81.5-118.5		
Arsenic	60.8		mg/kg wet	1.50	66.8		91	80.5-120.3		
Silver	38.2		mg/kg wet	1.50	40.8		94	66.3-133		
Chromium	107		mg/kg wet	1.00	110		97	81.7-117.9		
Cadmium	47.6		mg/kg wet	0.500	51.7		92	82.8-116.8		
Copper	78.2		mg/kg wet	1.00	77.8		101	83.2-116.8		
Beryllium	53.2		mg/kg wet	0.500	58.7		91	83.7-116.2		
Barium	116		mg/kg wet	1.00	113		102	81.4-118.6		
Batch 8091836 - EPA200/SW7000 Series										
Blank (8091836-BLK1)										
Prepared: 24-Sep-08 Analyzed: 26-Sep-08										
Mercury	BRL		mg/kg wet	0.0296						
Duplicate (8091836-DUP1) **Source: SA84680-03**										
Prepared: 24-Sep-08 Analyzed: 26-Sep-08										
Mercury	0.0108	J	mg/kg dry	0.0306		0.0110			2	20
Matrix Spike (8091836-MS1) **Source: SA84680-05**										
Prepared: 24-Sep-08 Analyzed: 26-Sep-08										
Mercury	0.511		mg/kg dry	0.0345	0.480	0.0153	103	75-125		
Matrix Spike Dup (8091836-MSD1) **Source: SA84680-05**										
Prepared: 24-Sep-08 Analyzed: 26-Sep-08										
Mercury	0.512		mg/kg dry	0.0349	0.484	0.0153	103	75-125	0.2	20
Reference (8091836-SRM1)										
Prepared: 24-Sep-08 Analyzed: 26-Sep-08										
Mercury	1.55		mg/kg wet	0.0300	1.58		98	71.2-128.7		

Total Metals by EPA 200 Series Methods - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8091699 - EPA200/SW7000 Series										
Blank (8091699-BLK1)										
Prepared & Analyzed: 25-Sep-08										
Mercury	BRL		mg/l	0.00020						
LCS (8091699-BS1)										
Prepared & Analyzed: 25-Sep-08										
Mercury	0.00440		mg/l	0.00020	0.00500		88	85-115		
Duplicate (8091699-DUP1)	**Source: SA84680-01**									
Prepared & Analyzed: 25-Sep-08										
Mercury	BRL		mg/l	0.00020		BRL				20
Matrix Spike (8091699-MS1)	**Source: SA84680-09**									
Prepared & Analyzed: 25-Sep-08										
Mercury	0.00486		mg/l	0.00020	0.00500	BRL	97	75-125		
Matrix Spike Dup (8091699-MSD1)	**Source: SA84680-09**									
Prepared & Analyzed: 25-Sep-08										
Mercury	0.00441		mg/l	0.00020	0.00500	BRL	88	75-125	10	20

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

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8100369 - SW846 3010A										
Blank (8100369-BLK1)										
Prepared & Analyzed: 06-Oct-08										
Nickel	BRL		mg/l	0.0050						
Zinc	BRL		mg/l	0.0200						
Lead	BRL		mg/l	0.0075						
Selenium	BRL		mg/l	0.0150						
Thallium	BRL		mg/l	0.0050						
Vanadium	BRL		mg/l	0.0050						
Antimony	BRL		mg/l	0.0060						
Cadmium	BRL		mg/l	0.0025						
Chromium	BRL		mg/l	0.0050						
Arsenic	BRL		mg/l	0.0040						
Silver	BRL		mg/l	0.0050						
Beryllium	BRL		mg/l	0.0020						
Copper	BRL		mg/l	0.0050						
Barium	BRL		mg/l	0.0050						
LCS (8100369-BS1)										
Prepared & Analyzed: 06-Oct-08										
Lead	1.21		mg/l	0.0075	1.25		97	84.7-114		
Selenium	1.16		mg/l	0.0150	1.25		93	82.8-112		
Nickel	1.22		mg/l	0.0050	1.25		98	91.9-109		
Zinc	1.23		mg/l	0.0200	1.25		99	82.5-121		
Vanadium	1.26		mg/l	0.0050	1.25		101	85-115		
Antimony	1.13		mg/l	0.0060	1.25		90	58.7-120		
Thallium	1.18		mg/l	0.0050	1.25		94	58.4-107		
Beryllium	1.30		mg/l	0.0020	1.25		104	70.7-114		
Chromium	1.27		mg/l	0.0050	1.25		101	88.3-115		
Silver	1.21		mg/l	0.0050	1.25		97	82.9-112		
Copper	1.28		mg/l	0.0050	1.25		102	86.8-119		
Cadmium	1.25		mg/l	0.0025	1.25		100	90.1-113		
Arsenic	1.16		mg/l	0.0040	1.25		93	85.5-108		
Barium	1.30		mg/l	0.0050	1.25		104	84.9-115		
LCS Dup (8100369-BSD1)										
Prepared & Analyzed: 06-Oct-08										
Lead	1.28		mg/l	0.0075	1.25		102	84.7-114	6	20
Nickel	1.29		mg/l	0.0050	1.25		103	91.9-109	6	20
Zinc	1.31		mg/l	0.0200	1.25		105	82.5-121	6	20
Selenium	1.23		mg/l	0.0150	1.25		98	82.8-112	6	20
Vanadium	1.34		mg/l	0.0050	1.25		107	85-115	6	20
Thallium	1.24		mg/l	0.0050	1.25		100	58.4-107	6	20
Antimony	1.19		mg/l	0.0060	1.25		95	58.7-120	5	20
Arsenic	1.23		mg/l	0.0040	1.25		98	85.5-108	6	20
Cadmium	1.32		mg/l	0.0025	1.25		106	90.1-113	6	20
Chromium	1.35		mg/l	0.0050	1.25		108	88.3-115	6	20
Silver	1.28		mg/l	0.0050	1.25		103	82.9-112	6	20
Beryllium	1.28		mg/l	0.0020	1.25		103	70.7-114	0.8	20
Copper	1.35		mg/l	0.0050	1.25		108	86.8-119	6	20
Barium	1.29		mg/l	0.0050	1.25		104	84.9-115	0.5	20
Duplicate (8100369-DUP1)	**Source: SA85454-09**									
Prepared & Analyzed: 06-Oct-08										

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 8100369 - SW846 3010A										
Duplicate (8100369-DUP1)	**Source: SA85454-09**									
Prepared & Analyzed: 06-Oct-08										
Lead	BRL		mg/l	0.0075		BRL				20
Selenium	BRL		mg/l	0.0150		BRL				20
Zinc	0.0164	J	mg/l	0.0200		0.0172			4	20
Nickel	BRL		mg/l	0.0050		BRL				20
Antimony	BRL		mg/l	0.0060		BRL				20
Vanadium	BRL		mg/l	0.0050		BRL				20
Thallium	BRL		mg/l	0.0050		BRL				20
Chromium	BRL		mg/l	0.0050		BRL				20
Silver	BRL		mg/l	0.0050		BRL				20
Copper	BRL		mg/l	0.0050		BRL				20
Cadmium	BRL		mg/l	0.0025		BRL				20
Arsenic	BRL		mg/l	0.0040		BRL				20
Beryllium	BRL		mg/l	0.0020		BRL				20
Barium	0.0024	J	mg/l	0.0050		BRL				20
Matrix Spike (8100369-MS1)	**Source: SA85466-01**									
Prepared & Analyzed: 06-Oct-08										
Nickel	1.29		mg/l	0.0050	1.25	BRL	103	85.7-108		
Selenium	1.21		mg/l	0.0150	1.25	BRL	97	81.1-113		
Lead	1.26		mg/l	0.0075	1.25	BRL	101	82.1-112		
Zinc	1.30		mg/l	0.0200	1.25	0.0172	102	68.7-126		
Vanadium	1.30		mg/l	0.0050	1.25	BRL	104	75-125		
Antimony	1.17		mg/l	0.0060	1.25	BRL	94	63.5-114		
Thallium	1.23	QM8	mg/l	0.0050	1.25	BRL	99	72.2-93.8		
Chromium	1.31		mg/l	0.0050	1.25	BRL	105	89-111		
Beryllium	1.26		mg/l	0.0020	1.25	BRL	101	76.3-108		
Copper	1.33		mg/l	0.0050	1.25	BRL	106	78.9-120		
Cadmium	1.31		mg/l	0.0025	1.25	BRL	105	85.4-113		
Silver	1.25		mg/l	0.0050	1.25	BRL	100	77.2-114		
Arsenic	1.22		mg/l	0.0040	1.25	BRL	97	83.1-110		
Barium	1.27		mg/l	0.0050	1.25	0.0026	102	82.8-116		
Matrix Spike Dup (8100369-MSD1)	**Source: SA85466-01**									
Prepared & Analyzed: 06-Oct-08										
Zinc	1.27		mg/l	0.0200	1.25	0.0172	100	68.7-126	2	20
Selenium	1.20		mg/l	0.0150	1.25	BRL	96	81.1-113	1	20
Lead	1.23		mg/l	0.0075	1.25	BRL	99	82.1-112	2	20
Nickel	1.25		mg/l	0.0050	1.25	BRL	100	85.7-108	3	20
Vanadium	1.29		mg/l	0.0050	1.25	BRL	103	75-125	1	20
Antimony	1.16		mg/l	0.0060	1.25	BRL	93	63.5-114	1	20
Thallium	1.21	QM8	mg/l	0.0050	1.25	BRL	97	72.2-93.8	2	20
Silver	1.24		mg/l	0.0050	1.25	BRL	99	77.2-114	1	20
Chromium	1.29		mg/l	0.0050	1.25	BRL	103	89-111	1	20
Beryllium	1.24		mg/l	0.0020	1.25	BRL	99	76.3-108	1	20
Arsenic	1.19		mg/l	0.0040	1.25	BRL	95	83.1-110	2	20
Cadmium	1.28		mg/l	0.0025	1.25	BRL	102	85.4-113	2	20
Copper	1.31		mg/l	0.0050	1.25	BRL	105	78.9-120	2	20
Barium	1.25		mg/l	0.0050	1.25	0.0026	100	82.8-116	2	20
Post Spike (8100369-PS1)	**Source: SA85466-01**									
Prepared & Analyzed: 06-Oct-08										

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 8100369 - SW846 3010A										
Post Spike (8100369-PS1)	**Source: SA85466-01**									
Prepared & Analyzed: 06-Oct-08										
Selenium	1.21		mg/l	0.0150	1.25	BRL	97	82.4-113		
Lead	1.25		mg/l	0.0075	1.25	BRL	100	84.5-112		
Nickel	1.27		mg/l	0.0050	1.25	BRL	102	86.4-111		
Zinc	1.28		mg/l	0.0200	1.25	0.0172	101	72.9-128		
Vanadium	1.31		mg/l	0.0050	1.25	BRL	105	80-120		
Thallium	1.23		mg/l	0.0050	1.25	BRL	98	66.3-99.7		
Antimony	1.12		mg/l	0.0060	1.25	BRL	89	50.5-121		
Silver	1.25		mg/l	0.0050	1.25	BRL	100	87.4-109		
Beryllium	1.25		mg/l	0.0020	1.25	BRL	100	74-110		
Copper	1.33		mg/l	0.0050	1.25	BRL	106	82.9-119		
Chromium	1.32		mg/l	0.0050	1.25	BRL	105	89.9-112		
Cadmium	1.30		mg/l	0.0025	1.25	BRL	104	87.9-112		
Arsenic	1.21		mg/l	0.0040	1.25	BRL	97	84.5-111		
Barium	1.27		mg/l	0.0050	1.25	0.0026	101	85.2-116		
Batch 8100370 - EPA200/SW7000 Series										
Blank (8100370-BLK1)										
Prepared & Analyzed: 06-Oct-08										
Mercury	BRL		mg/l	0.00020						
LCS (8100370-BS1)										
Prepared & Analyzed: 06-Oct-08										
Mercury	0.00413		mg/l	0.00020	0.00500		83	60-122		
Duplicate (8100370-DUP1)	**Source: SA84680-07**									
Prepared & Analyzed: 06-Oct-08										
Mercury	BRL		mg/l	0.00020		BRL				20
Matrix Spike (8100370-MS1)	**Source: SA85466-01**									
Prepared & Analyzed: 06-Oct-08										
Mercury	0.00400		mg/l	0.00020	0.00500	BRL	80	61.5-123		
Matrix Spike Dup (8100370-MSD1)	**Source: SA85466-01**									
Prepared & Analyzed: 06-Oct-08										
Mercury	0.00377		mg/l	0.00020	0.00500	BRL	75	61.5-123	6	20
Post Spike (8100370-PS1)	**Source: SA85466-01**									
Prepared & Analyzed: 06-Oct-08										
Mercury	0.00406		mg/l	0.00020	0.00500	BRL	81	74.7-114		

General Chemistry Parameters - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8091825 - General Preparation										
Duplicate (8091825-DUP1)	**Source: SA84619-01**									
Prepared & Analyzed: 24-Sep-08										
% Solids	87.1		%			85.3			2	20
Batch 8091889 - General Preparation										
Duplicate (8091889-DUP1)	**Source: SA84784-05**									
Prepared & Analyzed: 25-Sep-08										
% Solids	84.7		%			85.7			1	20

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* 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.
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
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.
V11	Analyte concentration confirmed by duplicate analysis.
VC10	The VOC field preserved soil sample is not within the 1:1 weight to volume ratio as recommended by SW846 methods 5030 and 5035 but may be within the 1:1 volume to volume ratio. This variance may affect the final reporting limit.
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:** TRC - Windsor, CT

Project Location: Simpaug Turnpike Over Metro North RR-CT **Project Number:** 107307-3661-0110

Sampling Date(s): 16-Sep-08

Laboratory Sample ID(s): SA84680-01 through SA84680-09

RCP Methods Used: +CT ETPH, EPA 245.1/7470A, SW 846 8260B, SW846 1312, SW846 1312/6010B, SW846 1312/7470A, SW846 6010B, SW846 7471A, SW846 8082, 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: 10/14/2008

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* Reportable Detection Limit BRL = Below Reporting Limit

SPECTRUM ANALYTICAL, INC.
Featuring
HANDAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

SA 84680 Cu

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: TRC

Invoice To: TRC
21 Griffin Road North
Windsor CT, 06095

Project No.: 107307-3661-0110
Site Name: Simsbury Turnpike over Metronorth RR
Location: Redding, CT State: CT
Sampler(s): C. Liddell

Project Mgr.: Marya Mahoney

P.O. No.: _____ RQN: _____

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

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

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	VOCs	SVOCs	CT ETPH	PCBs	CT RCP 15 metals	SPLP CT RCP 15		
84680-01	FB091608	9/16/08	0800		W		3	3		1	X	X	X	X	X			
-02	TB091608		1030		W		1				X							
-03	SBE-(4-6)		0845		SO		3		1		X	X	X	X	X	X		
-04	SBF-(6-8)		0915													X		
-05	SBB-(2-4)		1055													X		
-06	SBD-(2-4)		1130 1115													X		
-07	SBC-(2-4)		1130													X		
-08	SBA-(2-4)		1145													X		
-09	MW-1		0945		GW		3	3		1								

Containers: Analyses: QA Reporting Notes: (check if needed)

- [ ] Provide MA DEP MCP CAM Report
- [x] Provide CT DEP RCP Report

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

State specific reporting standards:

Per client request added 10/7

- [ ] Fax results when available to (860) 298-6399
- [ ] E-mail to mmahoney@trcsolutions.com

EDD Format _____

Condition upon receipt: [ ] Iced [ ] Ambient [ ] °C 5.5

Relinquished by:	Received by:	Date:	Time:
		9/17/08	855
	Michael Shahan	9-17-08	1130