ecs WHERE BUSINESS AND THE ENVIRONMENT CONVERGE

722 Route 3A, Suite 3, Bow, NH 03304 tel 603.224.8871 fax 603.224.8688 www.ecsconsult.com

March 16, 2009

Mr. Matthew Walsh
Assistant for Special Projects
City of Concord
41 Green Street
Concord, NH 03301

RE: December 2008 Sub-Slab Investigation Report
Former Allied Leather Tannery
35 East Street, Penacook, NH
NHDES Site No. 198605043
ECS Project # 02-202174.00.23

Dear Mr. Walsh:

Environmental Compliance Services, Inc. (ECS) has prepared this December 2008 Sub-Slab Investigation Report for the above referenced location (the "Site"). The work was performed in accordance with the ECS Proposal dated September 15, 2008. A Site Locus is provided as Figure 1.

The purpose of the investigation was to determine whether or not soil contamination exists beneath the slab of the Former Allied Leather Tannery (Former Tannery) building. Secondary objectives included the replacement of a monitoring well that had been destroyed during Site demolition activities and the determination of the thickness of concrete slabs from former Site buildings. No sub-slab investigation had been previously conducted previously while the building was intact. However, the Former Tannery building was demolished during the spring of 2008, thereby providing access for this sub-slab investigation.

On December 17, 2008, ECS supervised the installation of nine soil borings which penetrated the slab of the former mill building and associated machine shop, the replacement of a former groundwater monitoring well (MW-101R), and the penetration through the former maintenance garage and new boiler room building slabs to determine the slab thickness and whether or not rebar is present. All soil borings and the monitoring well were installed by Great Works Pump and Test Borings, Inc. (Great Works) of Rollinsford, New Hampshire. Prior to these activities, ECS conducted a site visit and contacted DigSafe for utility clearance.

Soil Sample Collection and Analysis

Soil samples were collected for geologic logging, field screening, and/or laboratory analysis. Split spoon soil samples were collected continuously by performing standard penetration testing. All samples were field screened for the presence of total volatile organic vapors (TVOVs) using a portable photo ionization detector (PID) equipped with a 10.6 electron-Volt lamp. Soil Boring and Monitoring Well Installation Logs are included as Appendix A. No soil samples were collected during the installation of the

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replacement groundwater monitoring well MW-101R2 as soil samples had previously been collected from this location.

The soil borings were advanced to a maximum depth of 15.5 feet. Auger and/or split spoon refusal ranged from a depth of five feet (SB-6) to 15.5 feet (SB-2). Groundwater was encountered at a depth of approximately 3 feet below ground surface (bgs) at SB-1 to 6 feet bgs at SB-2. The soils encountered consisted of fine to coarse sand with some silt.

One soil sample was collected from each soil boring (SB-1through SB-9) from beneath the concrete slab for laboratory analysis based on highest PID reading, visual/olfactory evidence of contamination, the water table, or the soil sample immediate below the concrete slab. No soil sample was collected from SB-6 due to limited recovery since bedrock was encountered shortly below the slab at this location. No elevated PID readings were recorded in soil samples collected from the sub-slab soil borings.

All samples were submitted to Spectrum Analytical, Inc. (Spectrum) of Agawam, Massachusetts for laboratory analysis for the NHDES Site Remediation Program Full List of Analytes for Volatile Organic Compounds (VOCs), Total Petroleum Hydrocarbons (TPH), Polycyclic Aromatic Hydrocarbons (PAHs), and 8 Resource Conservation Recovery Act (RCRA) metals (arsenic, barium, cadmium, chromium, lead, mercury, selenium and silver). After elevated concentrations of total chromium were detected, the samples with the highest concentrations of total chromium (SB-3 and SB-4) were reanalyzed for trivalent/hexavalent chromium speciation. The laboratory analytical report is included as Appendix B.

Monitoring Well Installation

An elevated PID reading of 111 parts per million (ppm) at a depth of 5-7' bgs was recorded during the installation of MW-101R2. The monitoring well was constructed using 2.0-inch diameter, Schedule 40 PVC machine slotted well screen with 0.010-inch slots, and 2.0-inch diameter riser pipe. A 10-ft. section of well screen was installed in each well. No. 2 sand was used to fill the annular space between the screen and the wall of the borehole to a depth of two feet above the top of the screen. A one-foot hydrated bentonite seal was placed above the sand pack. The remainder of the boring was backfilled with native material. The monitoring well was completed with a flush mounted protective road box set in concrete at the ground surface. A well construction detail is included in Appendix B.

Slab Evaluation

The auger was advanced through the former maintenance garage slab and new boiler room slab to determine both the thickness of the slab and the presence of reinforcement bar (rebar) to provide information for future site redevelopment. The maintenance garage slab was determined to be approximately 7 to 8 inches thick and contained a thin rebar, estimated to be 1/8-inch thick. The new boiler room slab was determined to be approximately 9 inches thick and contained 3/8-inch thick rebar.

Laboratory Analytical Results

Table 1 summarizes the soil laboratory analytical data for the soil samples collected at the Site. The soil data were compared to the New Hampshire Soil Remediation Standards (NH SRS) listed in Env-Or 600, *Contaminated Site Management*, effective on July 23, 2008.

The following narrative summarizes the soil data:

- Tetrachloroethene was detected at a concentration of 132 ug/kg at SB-9 (5-7'), below the NH SRS of 2,000 mg/kg
- Low levels of TPH were detected in the soil samples from SB-1 (5-6'), SB-3 (5-6'), SB-4 (5-5.5'), SB-8 (5-6.5'), and SB-9 (5-7'), all below the NH SRS of 10,000 mg/kg.
- One PAH, pyrene, was detected in one sample, SB-9 (5-7') at 0.159 mg/kg, below the SRS of 220 mg/kg.

Table 1A below summarizes the compounds which were detected in the soil samples at concentrations exceeding applicable NH SRS.

TABLE 1A
NH SRS Exceedences
December 17, 2008

Soil Boring	Compound Exceeding NH SRS	NH SRS (mg/kg)	Concentration (mg/kg)
SB-1 (5-6')	Arsenic	11	12.2
SB-3 (5-6')	Arsenic Trivalent Chromium	11 1,000	16.3 3,650
SB-4 (5-5.5')	Trivalent Chromium	1,000	1,650
SB-8 (5-6.5')	Arsenic	11	15.6

Note: mg/kg = milligrams per kilogram

Conclusions

Based on the results of the sub-slab investigation activities described in this report, both arsenic and chromium concentrations are present in site soil above the NH SRS. Arsenic concentrations ranged from 2.26 mg/kg (SB-5) to 16.3 mg/kg at SB-3, with soil samples collected from SB-1, SB-3, and SB-8 containing arsenic above the SRS, but within the range typically associated with fill containing coal ash. The presence of coal ash and PAHs has been documented in previous investigations conducted at the Site.

Total chromium concentrations detected during this investigation ranged from 10.2 mg/kg at SB-7 to 3,650 mg/kg at SB-3. Further soil analysis of the two locations (SB-3 and SB-4) with the potential to exceed the SRS for trivalent chromium were confirmed to contain trivalent chromium speciation above the SRS; however, the hexavalent chromium concentration was below the SRS in both samples.

All other parameters including VOCs, TPH, PAHs, and all other 8 RCRA metals were either non-detect or below the applicable SRS.

Recommendations

ECS recommends installation of additional soil borings in the area of the former chrome USTs and in the area of SB-3 and SB-4 to delineate the chromium detected in soil.

If you have any questions relating to the enclosed data, please contact us in our Bow, NH office at 603-224-8871.

Sincerely,
ENVIRONMENTAL COMPLIANCE SERVICES, INC.

Owen Castor
Owen Castor
Field Technician

Steven P. Low, P.G.
Senior Project Manager

ECS Digitally signed by ECS
DN: CN = ECS, C = US, O = Environmental Compliance Services, Inc., OU = ECS
Date: 2009.03.16 12:56:43 -04'00'

cc: Mike McCluskey, NHDES

Enclosures:

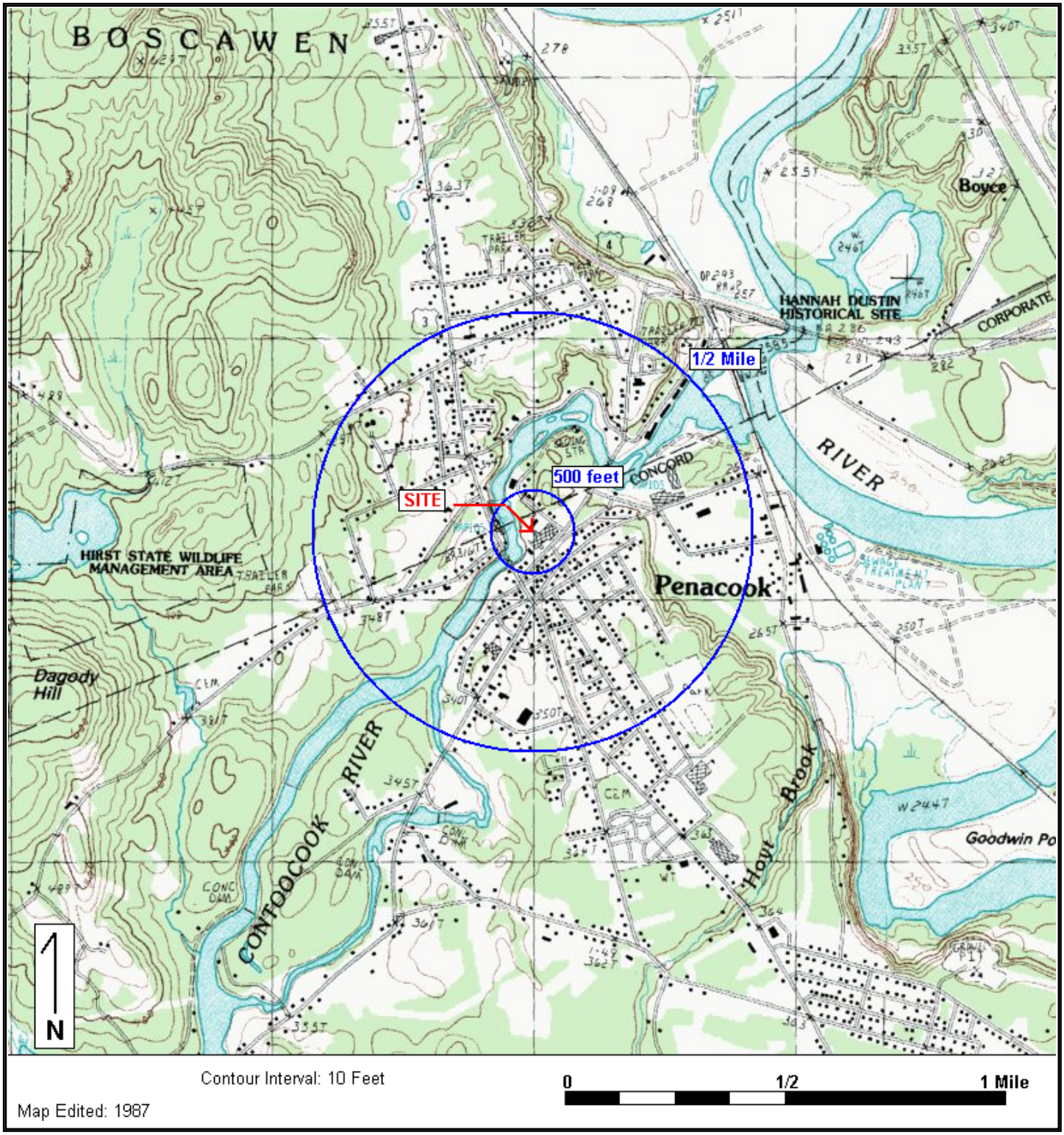
Figure 1:	Site Locus Map
Figure 2:	Arsenic Concentrations in Soil
Figure 3:	Chromium Concentrations in Soil
Table 1:	Soil Boring Data (12/17/08)
Table 1A:	NH SRS Exceedences/ December 17, 2008 (in text)
Appendix A:	Soil Boring Logs/Monitoring Well Construction Detail
Appendix B:	Spectrum Laboratory Report

Environmental Compliance Services, Inc.
722 Route 3A, Suite 3
Bow, NH 03304
Phone 603.224.8871 Fax 603.224.8688
www.ecsconsult.com

Allied Tannery

Penacook, NH 03303

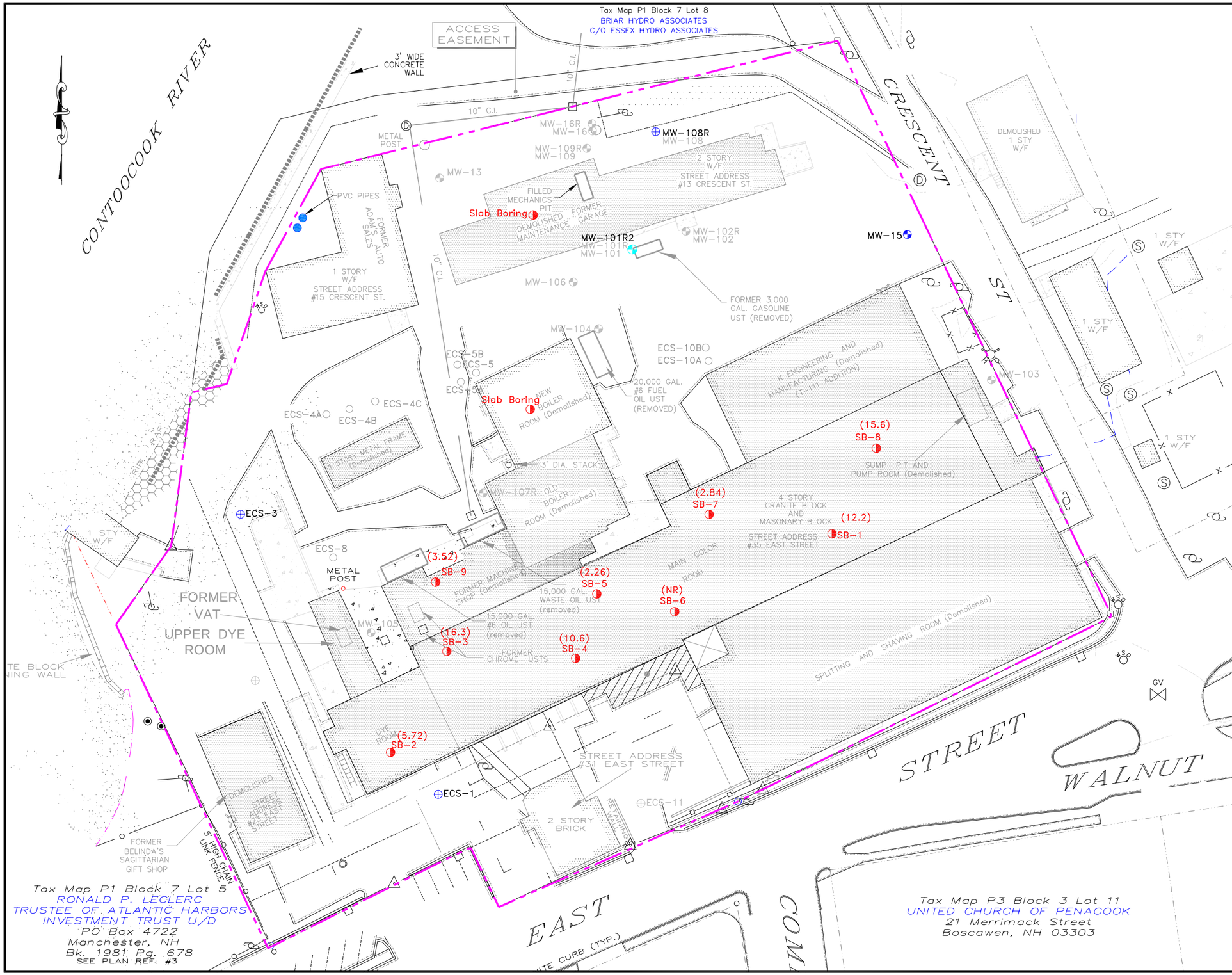
Figure 1: SITE LOCUS



Base Map: U.S. Geological Survey; Quadrangle Location: Penacook, NH

Lat/Lon: 43° 16' 57" NORTH, 71° 36' 0" WEST - UTM Coordinates: 19 289040 EAST / 4795481 NORTH

Generated By: Christine DiMaio



Legend

- Approximate Property Line
- POWER POLE
- CONCRETE
- FIRE CONNECTION FOR SPRINKLER SYSTEM
- GAS VALVE
- SEWER MANHOLE
- DRAIN MANHOLE
- WATER SHUTOFF
- EDGE OF PAVEMENT
- MW-106 MONITORING WELLS INSTALLED BY OTHERS
- MW-109 DESTROYED MONITORING WELLS
- ECS-7 MONITORING WELLS INSTALLED BY ECSMARIN, MAY 2003
- ECS-4 TEST BORINGS INSTALLED BY ECSMARIN, MAY 2003
- SB-1 SOIL BORINGS INSTALLED BY ECS, INC. DECEMBER 2008
- MW-101R2 REPLACEMENT MONITORING WELL INSTALLED BY ECS, DECEMBER 2008
- DEMOLISHED STRUCTURES
- (5.72) ARSENIC CONCENTRATIONS IN SOIL (mg/KG)
- (NR) NO RECOVERY, SLAB ON BEDROCK

MAP REFERENCE:

SUBDIVISION PLAT LAND OF HANNAH DUSTIN HOLDINGS L.L.C., EAST STREET AND CRESCENT STREET, CONCORD, NEW HAMPSHIRE, JANUARY 16, 1999 BY FWS LAND SURVEYING, P.L.L.C., CANTERBURY, NEW HAMPSHIRE, SCALE 1"=40'.

722 Route 3A, Suite 3 * Bow, NH 03304
Phone: 1-800-636-6030 Fax: 603-224-8688

PROJECT:
Former Allied Leather Tannery
East Street and Crescent Street
Penacook Village, Concord, New Hampshire

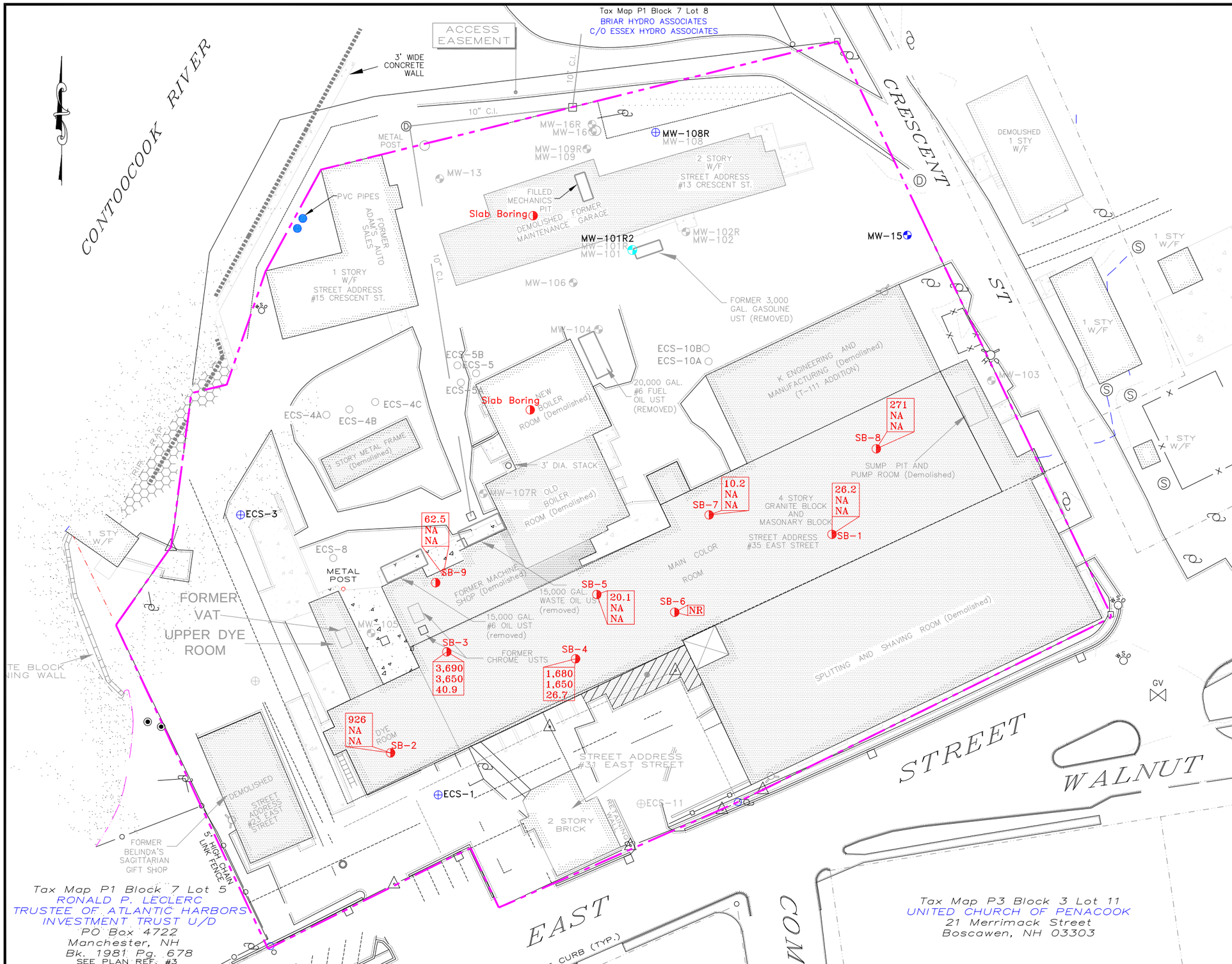
TITLE:
Arsenic Concentrations in Soil: 12/17/08

CLIENT:
City of Concord

GRAPHIC SCALE: 50 25 0 25 50

COMPUTER CADFILE : 202174_20040804.dwg

DRAWN BY:	DESIGNED BY:	CHECKED BY:	APPROVED BY:
OC	OC	SL	SL
SCALE:	DATE:	JOB NO.:	FIGURE NO.:
1" = 50'	01/09	202174.00	2



Legend

- Approximate Property Line
- POWER POLE
- CONCRETE
- FIRE CONNECTION FOR SPRINKLER SYSTEM
- GAS VALVE
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- MW-106 MONITORING WELLS INSTALLED BY OTHERS
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- ECS-7 MONITORING WELLS INSTALLED BY ECSMARIN, MAY 2003
- ECS-4 TEST BORINGS INSTALLED BY ECSMARIN, MAY 2003
- SB-1 SOIL BORINGS INSTALLED BY ECS, INC. DECEMBER 2008
- MW-101R2 REPLACEMENT MONITORING WELL INSTALLED BY ECS, DECEMBER 2008
- DEMOLISHED STRUCTURES

CHROMIUM CONCENTRATIONS IN SOIL(mg/KG)

1,680	Total Chromium
1,650	Trivalent Chromium
26.7	Hexavalent Chromium
NA	Not Analyzed for Chromium Speciation
NR	NO RECOVERY, SLAB ON BEDROCK

MAP REFERENCE:

SUBDIVISION PLAT LAND OF HANNAH DUSTIN HOLDINGS L.L.C., EAST STREET AND CRESCENT STREET, CONCORD, NEW HAMPSHIRE, JANUARY 16, 1999 BY FWS LAND SURVEYING, P.L.L.C., CANTERBURY, NEW HAMPSHIRE, SCALE 1"=40'.

722 Route 3A, Suite 3 * Bow, NH 03304
Phone: 1-800-636-6030 Fax: 603-224-8688

PROJECT:
Former Allied Leather Tannery
East Street and Crescent Street
Penacook Village, Concord, New Hampshire

TITLE:
Chromium Concentrations in Soil: 12/17/08

CLIENT:
City of Concord

GRAPHIC SCALE: 50 25 0 25 50

COMPUTER CADFILE : 202174_20040804.dwg

DRAWN BY:	DESIGNED BY:	CHECKED BY:	APPROVED BY:
OC	OC	SL	SL
SCALE:	DATE:	JOB NO.:	FIGURE NO.:
1" = 50'	01/09	202174.00	3

Table 1
Soil Boring Data (12/17/2008)
Former Allied Tannery
Concord, NH
02-202174.00

Soil Boring Location and Depth (feet below ground surface)	Volatile Organic Compounds (ug/Kg)	Total Petroleum Hydrocarbons (mg/Kg)	PAHs (ug/Kg)	Total Metals (mg/Kg)									
	PCE	TPH-DRO	Pyrene	Arsenic	Barium	Cadmium	Chromium (Total)	Chromium (Trivalent)	Chromium (Hexavalent)	Lead	Mercury	Selenium	Silver
SB-1 (5-6')	<71.8	63.2	<399	**12.2**	42.6	<0.668	26.2	NA	NA	32.4	<0.0429	<2.00	<2.00
SB-2 (5-7')	<66.2	<37.4	<187	5.72	33.9	<0.623	926	NA	NA	11.4	<0.0409	<1.87	<1.87
SB-3 (5-6')	<60.1	42.0	<175	**16.3**	58.2	<0.596	3,690	**3,650**	40.9	45.8	0.114	1.87	<1.79
SB-4 (5-5.5')	<44.5	43.0	<152	10.6	79.7	<0.522	1,680	**1,650**	26.7	30.5	0.0643	<1.57	<1.57
SB-5 (5-7')	<41.7	<37.4	<151	2.26	23.9	<0.542	20.1	NA	NA	6.81	<0.0304	<1.63	<1.63
SB-7 (5-7')	<73.5	<36.1	<180	2.84	21.7	<0.651	10.2	NA	NA	4.16	<0.0378	<1.95	<1.95
SB-8 (5-6.5')	<74.1	64.8	<186	**15.6**	65.8	<0.631	271	NA	NA	59.5	0.0511	<1.95	<1.89
SB-9 (5-7')	132	91.1	159	3.52	26.8	1.01	62.5	NA	NA	23.1	0.651	1.66	<1.54
NH SRS	*2,000*	*10,000*	*720,000*	*11*	*1,000*	*33*	*NS*	*1,000*	*130*	*400*	*6*	*180*	*89*

Notes:
ug/Kg = micrograms per kilogram
mg/Kg = milligrams per kilogram
< = Less than laboratory reporting limit; the concentration presented is the laboratory reporting limit.
NA= Not Analyzed
Values in bold type face indicate concentration above NHDES SRS.
NH SRS = Soil Remediation Standards from Env-Or 600 *Contaminated Site Management,* Table 600-2, effective July 23, 2008.
No SRS exists for total chromium.
PAHs= polynuclear aromatic hydrocarbons
PCE=Tetrachlorethene

QA/QC
LAST UPDATED
BY: *OC*
DATE: 3/5/*09*
LAST CHECKED
BY: *SL*
DATE: *1/23/09*

ecs	722 Rte 3A Suite 3 Bow, New Hampshire 03304	**SOIL BORING and MONITORING WELL INSTALLATION LOG**	BORING NO.: SB-1 DOCUMENT NO.: SHEET 1 OF 1

BORING COMPANY:	Great Works Pump and Test Boring Inc.	JOB NUMBER:	02.202174.00
BORING COMPANY ADDRESS:	P.O. Box 491 Rollinsford, NH 03869	PROJECT NAME:	Allied Tannery
FOREMAN:	Pete Michaud	PROJECT ADDRESS:	East Street Concord, NH
ECS INSPECTOR:	Owen Castor	CLIENT NAME:	City of Concord

LOCATION

See Site Plan

GROUNDWATER OBSERVATIONS				CASING	SAMPLER	CORE BARREL
Date	Depth (ft)	Stabilization Time	TYPE	HSA	Split-Spoon	
12/17/2008	3'	NA	INSIDE DIAMETER		2"	
			HAMMER WEIGHT		130 lbs	
			HAMMER FALL		30"	
			NOTES:			

Casing Elevation (ft.)	NA
PVC Elevation (ft.)	NA
Surface Elevation (ft.)	NA
Date Started	12/17/2008
Date Completed	12/17/2008

Depth	Sample Number	Sample Depths (ft)	Penetration/ Recovery (inches)	Blows per 6" penetration	Strata Changes	Soil Descriptions	Soil Boring	Field Testing (ppm)	Notes
					FILL	Crushed building debris			▼
5						Concrete slab at 4.5' (4" thick)			
	SS-1	5 to 7'	18/12	1,2	SAND	Dark brown, medium to coarse SAND, some silt, iron staining at bottom, saturated.		0.0	
				7,50-0"					
					B.O.B 6.5'	Auger and split spoon refusal at 6.5'			
10									
15									
20									
25									

1. Field testing values represent total volatile organic vapors measured in the headspace of sealed soil sample jars or Zip-lock™ bags, with a Thermo OVM 580B photoionization detector (PID). Results reported in parts per million (ppm).
2. Groundwater encountered at approximately 3 feet below grade during drilling.

▼ Depth of Groundwater
Natural Fill.
Well screen.
Well sand.
Bentonite seal.

ecs	722 Rte 3A Suite 3 Bow, New Hampshire 03304	**SOIL BORING and MONITORING WELL INSTALLATION LOG**	BORING NO.: SB-2 DOCUMENT NO.: SHEET 1 OF 1

BORING COMPANY:	Great Works Pump and Test Boring Inc.	JOB NUMBER:	02.202174.00
BORING COMPANY ADDRESS:	P.O. Box 491 Rollinsford, NH 03869	PROJECT NAME:	Allied Tannery
FOREMAN:	Pete Michaud	PROJECT ADDRESS:	East Street Concord, NH
ECS INSPECTOR:	Owen Castor	CLIENT NAME:	City of Concord

LOCATION

See Site Plan

GROUNDWATER OBSERVATIONS				CASING	SAMPLER	CORE BARREL
Date	Depth (ft)	Stabilization Time	TYPE	HSA	Split-Spoon	
12/17/2008	6'	NA	INSIDE DIAMETER		2"	
			HAMMER WEIGHT		130 lbs	
			HAMMER FALL		30"	
			NOTES:			

Casing Elevation (ft.)	NA
PVC Elevation (ft.)	NA
Surface Elevation (ft.)	NA
Date Started	12/17/2008
Date Completed	12/17/2008

Depth	Sample Number	Sample Depths (ft)	Penetration/ Recovery (inches)	Blows per 6" penetration	Strata Changes	Soil Descriptions	Soil Boring	Field Testing (ppm)	Notes
					FILL	Crushed building debris			
5						Concrete slab at 4.5' (6" thick)			
	SS-1	5 to 7'	24/6	1,1	SAND	Top 3", Dark brown, medium to coarse SAND, trace gravel, iron staining.		0.0	▼
				1,1					
						Bottom 3", dark organic material, saturated.			
7									
	SS-2	7-9	24/6	1,1		Brown medium SAND, iron staining on bottom.		0.0	
				1,1					
9									
	SS-3	9-11	24/6	1,1		Light brown, medium SAND, trace silt, iron staining.		0.0	
				1,1					
11									
	SS-4	11-13	24/8	1-12"		Light brown, medium to coarse SAND, trace gravel, poorly sorted		0.0	
				1-12"					
13	SS-5	13-15	24/6	1,2		Light brown, medium to coarse SAND, trace gravel, poorly sorted		0.0	
				5,5					
15	SS-6	15-17	10/2	15, 50-4"				0.0	
					B.O.B 16'	Auger and split spoon refusal at 16'			

1. Field testing values represent total volatile organic vapors measured in the headspace of sealed soil sample jars or Zip-lock™ bags, with a Thermo OVM 580B photoionization detector (PID). Results reported in parts per million (ppm).
2. Groundwater encountered at approximately 6 feet below grade during drilling.

▼ Depth of Groundwater

Natural Fill. Well sand.

Well screen. Bentonite seal.

ecs	722 Rte 3A Suite 3 Bow, New Hampshire 03304	**SOIL BORING and MONITORING WELL INSTALLATION LOG**	BORING NO.: SB-3 DOCUMENT NO.: SHEET 1 OF 1

BORING COMPANY:	Great Works Pump and Test Boring Inc.	JOB NUMBER:	02.202174.00
BORING COMPANY ADDRESS:	P.O. Box 491 Rollinsford, NH 03869	PROJECT NAME:	Allied Tannery
FOREMAN:	Pete Michaud	PROJECT ADDRESS:	East Street Concord, NH
ECS INSPECTOR:	Owen Castor	CLIENT NAME:	City of Concord

LOCATION

See Site Plan

GROUNDWATER OBSERVATIONS				CASING	SAMPLER	CORE BARREL
Date	Depth (ft)	Stabilization Time	TYPE	HSA	Split-Spoon	
12/17/2008	4.5'	NA	INSIDE DIAMETER		2"	
			HAMMER WEIGHT		130 lbs	
			HAMMER FALL		30"	
			NOTES:			

Casing Elevation (ft.)	NA
PVC Elevation (ft.)	NA
Surface Elevation (ft.)	NA
Date Started	12/17/2008
Date Completed	12/17/2008

Depth	Sample Number	Sample Depths (ft)	Penetration/ Recovery (inches)	Blows per 6" penetration	Strata Changes	Soil Descriptions	Soil Boring	Field Testing (ppm)	Notes
					FILL	Crushed building debris			
5						Concrete slab at 4' (6" thick)			▼
	SS-1	5 to 7'	12/4	3,3	SAND	Dark brown, medium SAND, weathered bedrock,		0.0	
				50-2"	B.O.B 6'	fragments, saturated.			
						Auger and split spoon refusal at 6'			
10									
15									
20									
25									

1. Field testing values represent total volatile organic vapors measured in the headspace of sealed soil sample jars or Zip-lock™ bags, with a Thermo OVM 580B photoionization detector (PID). Results reported in parts per million (ppm).
2. Groundwater encountered at approximately 4.5 feet below grade during drilling.

▼ Depth of Groundwater
Natural Fill. Well sand.
Well screen. Bentonite seal.

ecs	722 Rte 3A Suite 3 Bow, New Hampshire 03304	**SOIL BORING and MONITORING WELL INSTALLATION LOG**	BORING NO.: SB-4 DOCUMENT NO.: SHEET 1 OF 1

BORING COMPANY:	Great Works Pump and Test Boring Inc.	JOB NUMBER:	02.202174.00
BORING COMPANY ADDRESS:	P.O. Box 491 Rollinsford, NH 03869	PROJECT NAME:	Allied Tannery
FOREMAN:	Pete Michaud	PROJECT ADDRESS:	East Street Concord, NH
ECS INSPECTOR:	Owen Castor	CLIENT NAME:	City of Concord

LOCATION

See Site Plan

GROUNDWATER OBSERVATIONS				CASING	SAMPLER	CORE BARREL
Date	Depth (ft)	Stabilization Time	TYPE	HSA	Split-Spoon	
12/17/2008	4.5'	NA	INSIDE DIAMETER		2"	
			HAMMER WEIGHT		130 lbs	
			HAMMER FALL		30"	
			NOTES:			

Casing Elevation (ft.)	NA
PVC Elevation (ft.)	NA
Surface Elevation (ft.)	NA
Date Started	12/17/2008
Date Completed	12/17/2008

Depth	Sample Number	Sample Depths (ft)	Penetration/ Recovery (inches)	Blows per 6" penetration	Strata Changes	Soil Descriptions	Soil Boring	Field Testing (ppm)	Notes
					FILL	Crushed building debris			▼
5						Concrete slab at 4' (6" thick)			
	SS-1	5 to 7'	2/3	50-2"	SAND	Dark brown, fine to medium SAND, trace silt, pieces of		0.0	
					B.O.B 6'	bedrock, saturated.			
						Auger and split spoon refusal at 6'			
10									
15									
20									
25									

1. Field testing values represent total volatile organic vapors measured in the headspace of sealed soil sample jars or Zip-lock™ bags, with a Thermo OVM 580B photoionization detector (PID). Results reported in parts per million (ppm).
2. Groundwater encountered at approximately 4.5 feet below grade during drilling.

▼ Depth of Groundwater
Natural Fill.
Well sand.
Well screen.
Bentonite seal.

ecs	722 Rte 3A Suite 3 Bow, New Hampshire 03304	**SOIL BORING and MONITORING WELL INSTALLATION LOG**	BORING NO.: SB-5 DOCUMENT NO.: SHEET 1 OF 1

BORING COMPANY:	Great Works Pump and Test Boring Inc.	JOB NUMBER:	02.202174.00
BORING COMPANY ADDRESS:	P.O. Box 491 Rollinsford, NH 03869	PROJECT NAME:	Allied Tannery
FOREMAN:	Pete Michaud	PROJECT ADDRESS:	East Street Concord, NH
ECS INSPECTOR:	Owen Castor	CLIENT NAME:	City of Concord

LOCATION

See Site Plan

GROUNDWATER OBSERVATIONS				CASING	SAMPLER	CORE BARREL
Date	Depth (ft)	Stabilization Time	TYPE	HSA	Split-Spoon	
12/17/2008	5'	NA	INSIDE DIAMETER		2"	
			HAMMER WEIGHT		130 lbs	
			HAMMER FALL		30"	
			NOTES:			

Casing Elevation (ft.)	NA
PVC Elevation (ft.)	NA
Surface Elevation (ft.)	NA
Date Started	12/17/2008
Date Completed	12/17/2008

Depth	Sample Number	Sample Depths (ft)	Penetration/ Recovery (inches)	Blows per 6" penetration	Strata Changes	Soil Descriptions	Soil Boring	Field Testing (ppm)	Notes
					FILL	Crushed building debris			
5						Concrete slab at 4.5' (6" thick)			▼
	SS-1	5 to 7'	24/7	3,6	SAND	Dark brown, medium to coarse SAND, trace silt, iron staining, saturated.		0.0	
				12,20					
10					B.O.B 7'	Auger refusal at 7'			
15									
20									
25									

1. Field testing values represent total volatile organic vapors measured in the headspace of sealed soil sample jars or Zip-lock™ bags, with a Thermo OVM 580B photoionization detector (PID). Results reported in parts per million (ppm).
2. Groundwater encountered at approximately 5 feet below grade during drilling.

▼ Depth of Groundwater

Natural Fill. Well sand.

Well screen. Bentonite seal.

ecs	722 Rte 3A Suite 3 Bow, New Hampshire 03304	**SOIL BORING and MONITORING WELL INSTALLATION LOG**	BORING NO.: SB-6 DOCUMENT NO.: SHEET 1 OF 1

BORING COMPANY:	Great Works Pump and Test Boring Inc.	JOB NUMBER:	02.202174.00
BORING COMPANY ADDRESS:	P.O. Box 491 Rollinsford, NH 03869	PROJECT NAME:	Allied Tannery
FOREMAN:	Pete Michaud	PROJECT ADDRESS:	East Street Concord, NH
ECS INSPECTOR:	Owen Castor	CLIENT NAME:	City of Concord

LOCATION

See Site Plan

GROUNDWATER OBSERVATIONS				CASING	SAMPLER	CORE BARREL
Date	Depth (ft)	Stabilization Time	TYPE	HSA	Split-Spoon	
12/17/2008	NE	NA (2)	INSIDE DIAMETER		2"	
			HAMMER WEIGHT		130 lbs	
			HAMMER FALL		30"	
			NOTES:			

Casing Elevation (ft.)	NA
PVC Elevation (ft.)	NA
Surface Elevation (ft.)	NA
Date Started	12/17/2008
Date Completed	12/17/2008

Depth	Sample Number	Sample Depths (ft)	Penetration/ Recovery (inches)	Blows per 6" penetration	Strata Changes	Soil Descriptions	Soil Boring	Field Testing (ppm)	Notes
					FILL	Crushed building debris			
5						Concrete slab at 4.5' (6" thick)			
	SS-1	5 to 7'	0/0	50-0"	B.O.B 5'	Auger refusal at 5'		0.0	
10									
15									
20									
25									

1. Field testing values represent total volatile organic vapors measured in the headspace of sealed soil sample jars or Zip-lock™ bags, with a Thermo OVM 580B photoionization detector (PID). Results reported in parts per million (ppm).
2. Groundwater not encountered below grade during drilling.

Depth of Groundwater
Natural Fill.
Well sand.
Well screen.
Bentonite seal.

ecs	722 Rte 3A Suite 3 Bow, New Hampshire 03304	**SOIL BORING and MONITORING WELL INSTALLATION LOG**	BORING NO.: SB-7 DOCUMENT NO.: SHEET 1 OF 1

BORING COMPANY:	Great Works Pump and Test Boring Inc.	JOB NUMBER:	02.202174.00
BORING COMPANY ADDRESS:	P.O. Box 491 Rollinsford, NH 03869	PROJECT NAME:	Allied Tannery
FOREMAN:	Pete Michaud	PROJECT ADDRESS:	East Street Concord, NH
ECS INSPECTOR:	Owen Castor	CLIENT NAME:	City of Concord

LOCATION

See Site Plan

GROUNDWATER OBSERVATIONS				CASING	SAMPLER	CORE BARREL
Date	Depth (ft)	Stabilization Time	TYPE	HSA	Split-Spoon	
12/17/2008	4.5'	NA	INSIDE DIAMETER		2"	
			HAMMER WEIGHT		130 lbs	
			HAMMER FALL		30"	
			NOTES:			

Casing Elevation (ft.)	NA
PVC Elevation (ft.)	NA
Surface Elevation (ft.)	NA
Date Started	12/17/2008
Date Completed	12/17/2008

Depth	Sample Number	Sample Depths (ft)	Penetration/ Recovery (inches)	Blows per 6" penetration	Strata Changes	Soil Descriptions	Soil Boring	Field Testing (ppm)	Notes
					FILL	Crushed building debris			
5						Concrete slab at 4' (6" thick)			▼
	SS-1	5 to 7'	24/16	2,5	SILT	Black ORGANIC MATTER and fine SILT, saturated.		0.0	
				8,20					
	SS-2	7-9'	12/5	10,20		Light brown fine SILT, Weathered rock in tip of split spoon sample.		0.0	
				50-0"	B.O.B 8'				
10						Auger and Split Spoon Refusal at 8'.			
15									
20									
25									

1. Field testing values represent total volatile organic vapors measured in the headspace of sealed soil sample jars or Zip-lock™ bags, with a Thermo OVM 580B photoionization detector (PID). Results reported in parts per million (ppm).
2. Groundwater encountered at approximately 4.5 feet below grade during drilling.

▼ Depth of Groundwater

Natural Fill. Well sand.

Well screen. Bentonite seal.

ecs	722 Rte 3A Suite 3 Bow, New Hampshire 03304	**SOIL BORING and MONITORING WELL INSTALLATION LOG**	BORING NO.: SB-8 DOCUMENT NO.: SHEET 1 OF 1

BORING COMPANY:	Great Works Pump and Test Boring Inc.	JOB NUMBER:	02.202174.00
BORING COMPANY ADDRESS:	P.O. Box 491 Rollinsford, NH 03869	PROJECT NAME:	Allied Tannery
FOREMAN:	Pete Michaud	PROJECT ADDRESS:	East Street Concord, NH
ECS INSPECTOR:	Owen Castor	CLIENT NAME:	City of Concord

LOCATION

See Site Plan

GROUNDWATER OBSERVATIONS				CASING	SAMPLER	CORE BARREL
Date	Depth (ft)	Stabilization Time	TYPE	HSA	Split-Spoon	
12/17/2008	5'	NA	INSIDE DIAMETER		2"	
			HAMMER WEIGHT		130 lbs	
			HAMMER FALL		30"	
			NOTES:			

Casing Elevation (ft.)	NA
PVC Elevation (ft.)	NA
Surface Elevation (ft.)	NA
Date Started	12/17/2008
Date Completed	12/17/2008

Depth	Sample Number	Sample Depths (ft)	Penetration/ Recovery (inches)	Blows per 6" penetration	Strata Changes	Soil Descriptions	Soil Boring	Field Testing (ppm)	Notes
					FILL	Crushed building debris			
5						Concrete slab at 4.5' (6" thick)			▼
	SS-1	5 to 7'	12/5	3,10	SILT	Light brown to gray medium SAND, trace silt, rock		0.0	
				50-0"	B.O.B 6'	fragments, saturated.			
						Auger and Split Spoon Refusal at 8'.			
10									
15									
20									
25									

1. Field testing values represent total volatile organic vapors measured in the headspace of sealed soil sample jars or Zip-lock™ bags, with a Thermo OVM 580B photoionization detector (PID). Results reported in parts per million (ppm).
2. Groundwater encountered at approximately 5 feet below grade during drilling.

▼ Depth of Groundwater
Natural Fill.
Well screen.
Well sand.
Bentonite seal.

ecs	722 Rte 3A Suite 3 Bow, New Hampshire 03304	**SOIL BORING and MONITORING WELL INSTALLATION LOG**	BORING NO.: SB-9 DOCUMENT NO.: SHEET 1 OF 1

BORING COMPANY:	Great Works Pump and Test Boring Inc.	JOB NUMBER:	02.202174.00
BORING COMPANY ADDRESS:	P.O. Box 491 Rollinsford, NH 03869	PROJECT NAME:	Allied Tannery
FOREMAN:	Pete Michaud	PROJECT ADDRESS:	East Street Concord, NH
ECS INSPECTOR:	Owen Castor	CLIENT NAME:	City of Concord

LOCATION

See Site Plan

GROUNDWATER OBSERVATIONS				CASING	SAMPLER	CORE BARREL
Date	Depth (ft)	Stabilization Time	TYPE	HSA	Split-Spoon	
12/17/2008	4.5'	NA	INSIDE DIAMETER		2"	
			HAMMER WEIGHT		130 lbs	
			HAMMER FALL		30"	
			NOTES:			

Casing Elevation (ft.)	NA
PVC Elevation (ft.)	NA
Surface Elevation (ft.)	NA
Date Started	12/17/2008
Date Completed	12/17/2008

Depth	Sample Number	Sample Depths (ft)	Penetration/ Recovery (inches)	Blows per 6" penetration	Strata Changes	Soil Descriptions	Soil Boring	Field Testing (ppm)	Notes
					FILL	Concrete slab at 0.5' (6" thick)			
5									▼
	SS-1	5 to 7'	24/6	1,1		Dark brown, medium SAND, trace gravel, saturated.		0.0	
				1,1	SAND				
	SS-2	7-9'	24/24	1,1		Same as above.		0.0	
				1,1					
10	SS-3	9-11'	24/24	2,2		Same as above.			
				2,2					
	SS-4	11-13'	12/2	8,10		bedrock fragment in split spoon sample.			
				25-0	B.O.B 12'				
15									
20									
25									

1. Field testing values represent total volatile organic vapors measured in the headspace of sealed soil sample jars or Zip-lock™ bags, with a Thermo OVM 580B photoionization detector (PID). Results reported in parts per million (ppm).
2. Groundwater encountered at approximately 4.5 feet below grade during drilling.

▼ Depth of Groundwater

Natural Fill. | Well sand.

Well screen. | Bentonite seal.

ecs	722 Rte 3A Suite 3 Bow, New Hampshire 03304	**SOIL BORING and MONITORING WELL INSTALLATION LOG**	BORING NO.: MW-101R2 DOCUMENT NO.: SHEET 1 OF 1

BORING COMPANY:	Great Works Pump and Test Boring Inc.	JOB NUMBER:	02.202174.00
BORING COMPANY ADDRESS:	P.O. Box 491 Rollinsford, NH 03869	PROJECT NAME:	Allied Tannery
FOREMAN:	Pete Michaud	PROJECT ADDRESS:	East Street Concord, NH
ECS INSPECTOR:	Owen Castor	CLIENT NAME:	City of Concord

LOCATION

See Site Plan

GROUNDWATER OBSERVATIONS				CASING	SAMPLER	CORE BARREL
Date	Depth (ft)	Stabilization Time	TYPE	HSA	Split-Spoon	
12/17/2008	4'	NA	INSIDE DIAMETER		2"	
			HAMMER WEIGHT		130 lbs	
			HAMMER FALL		30"	
			NOTES:			

Casing Elevation (ft.)	NA
PVC Elevation (ft.)	NA
Surface Elevation (ft.)	NA
Date Started	12/17/2008
Date Completed	12/17/2008

Depth	Sample Number	Sample Depths (ft)	Penetration/ Recovery (inches)	Blows per 6" penetration	Strata Changes	Soil Descriptions	Soil Boring	Field Testing (ppm)	Notes
	SS-1	0-2'	24/10	4,6		Light brown medium SAND, some gravel, iron staining		0.0	
				6,6					
									▼
5									
	SS-2	5 to 7'	24/3	2,2	SAND	Dark brown to black medium SAND, trace gravel, saturated.		111	
				1,2					
10									
	SS-3	10-12'	24/12	10/23		Dark brown medium SAND, some silt.		5.0	
				25,45					
					B.O.B 12'				
15									
20									
25									

1. Field testing values represent total volatile organic vapors measured in the headspace of sealed soil sample jars or Zip-lock™ bags, with a Thermo OVM 580B photoionization detector (PID). Results reported in parts per million (ppm).
2. Groundwater encountered at approximately 4.0 feet below grade during drilling.

▼ Depth of Groundwater

Natural Fill. | Well sand.

Well screen. | Bentonite seal.

Report Date:
19-Jan-09 12:15

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

Environmental Compliance Services
722 Route 3A - Suite 3
Bow, NH 03304
Attn: Steve Low

Project: Former Allied Tannery - Penacook, NH
Project 02.202174.00

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SA89183-01	SB-1 5-6'	Soil	17-Dec-08 09:30	23-Dec-08 13:00
SA89183-02	SB-2 5-7'	Soil	17-Dec-08 10:00	23-Dec-08 13:00
SA89183-03	SB-3 5-6'	Soil	17-Dec-08 10:30	23-Dec-08 13:00
SA89183-04	SB-4 5-5.5'	Soil	17-Dec-08 11:00	23-Dec-08 13:00
SA89183-05	SB-5 5-7'	Soil	17-Dec-08 11:30	23-Dec-08 13:00
SA89183-06	SB-7 5-7'	Soil	17-Dec-08 12:30	23-Dec-08 13:00
SA89183-07	SB-8 5-6.5'	Soil	17-Dec-08 13:00	23-Dec-08 13:00
SA89183-08	SB-9 5-7'	Soil	17-Dec-08 13:30	23-Dec-08 13:00

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

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

Authorized by:

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

Technical Reviewer's Initial:

Spectrum Analytical holds certification in the State of New York for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of New York does not offer certification for all analytes.
Please note that this report contains 58 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supercedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report is available upon request. This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

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CASE NARRATIVE:

The samples were received 4.2 degrees Celsius, please refer to the Chain of Custody for details specific to temperature upon receipt. An infrared thermometer with a tolerance of +/- 2.0 degrees Celsius was used immediately upon receipt of the samples.

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

+SW846 7196A

Spikes:

9010812-MSD1 *Source: SA89183-03*

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

Hexavalent Chromium

EPA 200.7

Spikes:

8121808-MS1 *Source: SA89183-02*

The spike recovery was outside of QC acceptance limits for the MS, MSD and/or PS due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.

Chromium

8121808-PS1 *Source: SA89183-02*

The spike recovery was outside of QC acceptance limits for the MS, MSD and/or PS due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.

Chromium

Duplicates:

8121808-DUP1 *Source: SA89183-01*

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

Lead

SW846 7471A

Duplicates:

8121809-DUP1 *Source: SA89183-01*

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

Mercury

SW846 8260B

SW846 8260B

Laboratory Control Samples:

8121920-BS1

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

Carbon disulfide

Analyte out of acceptance range.

1,2-Dibromo-3-chloropropane

8121920-BSD1

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

Carbon disulfide

8122049-BS1

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

Carbon disulfide

8122049-BSD1

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

Carbon disulfide

8122120-BS1

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

Bromochloromethane

Analyte out of acceptance range.

Tetrachloroethene

8122120-BSD1

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

Bromochloromethane

Analyte out of acceptance range.

Tetrahydrofuran

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

1,4-Dioxane

SW846 8260B

Samples:

SA89183-01 *SB-1 5-6'*

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

SA89183-02 *SB-2 5-7'*

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

SA89183-03 *SB-3 5-6'*

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

SA89183-04 *SB-4 5-5.5'*

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

SA89183-05 *SB-5 5-7'*

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

SA89183-06 *SB-7 5-7'*

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

SA89183-07 *SB-8 5-6.5'*

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

SA89183-08 *SB-9 5-7'*

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

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-1 5-6' SA89183-01	02.202174.00	Soil	17-Dec-08 09:30	23-Dec-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	23-Dec-08	23-Dec-08	8121819	
Volatile Organic Compounds			VC10								
Prepared by method SW846 5030 Soil (high level)					Initial weight: 26.86 g						
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	71.8	50	SW846 8260B	30-Dec-08	30-Dec-08	8122049	X
67-64-1	Acetone	BRL		µg/kg dry	718	50	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	71.8	50	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	71.8	50	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	71.8	50	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	71.8	50	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	71.8	50	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	71.8	50	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	144	50	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	718	50	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	71.8	50	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	71.8	50	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	71.8	50	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	359	50	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	71.8	50	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	71.8	50	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	144	50	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	71.8	50	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	144	50	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	71.8	50	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	71.8	50	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	144	50	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	71.8	50	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	71.8	50	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	71.8	50	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	71.8	50	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	71.8	50	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	71.8	50	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	144	50	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	71.8	50	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	71.8	50	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	71.8	50	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	71.8	50	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	71.8	50	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	71.8	50	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	71.8	50	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	71.8	50	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	71.8	50	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	71.8	50	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	71.8	50	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	71.8	50	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	71.8	50	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	718	50	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	71.8	50	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	71.8	50	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	71.8	50	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	718	50	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	718	50	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	71.8	50	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-1 5-6' SA89183-01	02.202174.00	Soil	17-Dec-08 09:30	23-Dec-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 5030 Soil (high level)					Initial weight: 26.86 g						
103-65-1	n-Propylbenzene	BRL		µg/kg dry	71.8	50	SW846 8260B	30-Dec-08	30-Dec-08	8122049	X
100-42-5	Styrene	BRL		µg/kg dry	71.8	50	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	71.8	50	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	71.8	50	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	71.8	50	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	71.8	50	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	71.8	50	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	71.8	50	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	71.8	50	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	71.8	50	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	71.8	50	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	71.8	50	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	71.8	50	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	71.8	50	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	71.8	50	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	71.8	50	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	71.8	50	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	144	50	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	71.8	50	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	718	50	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	71.8	50	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	71.8	50	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	71.8	50	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	71.8	50	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	718	50	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	1440	50	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	359	50	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	28700	50	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*105*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*101*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*94*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*97*		*70-130 %*			"	"	"	"	
Semivolatile Organic Compounds by GCMS											
PAHs by SW846 8270C											
Prepared by method SW846 3550B											
83-32-9	Acenaphthene	BRL		µg/kg dry	399	2	SW846 8270C	26-Dec-08	30-Dec-08	8121887	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	399	2	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	399	2	"	"	"	"	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	399	2	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	399	2	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	399	2	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	399	2	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	399	2	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	399	2	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	399	2	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	399	2	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	399	2	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	399	2	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	399	2	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-1 5-6'	02.202174.00	Soil	17-Dec-08 09:30	23-Dec-08
SA89183-01				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GCMS											
PAHs by SW846 8270C											
Prepared by method SW846 3550B											
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	399	2	SW846 8270C	26-Dec-08	30-Dec-08	8121887	X
91-20-3	Naphthalene	BRL		µg/kg dry	399	2	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	399	2	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	399	2	"	"	"	"	X
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*75*		*30-130 %*			"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*83*		*30-130 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											
Diesel Range Organics											
Prepared by method SW846 3550B											
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	39.9	1	8015BM	26-Dec-08	29-Dec-08	8121886	X
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	39.9	1	"	"	"	"	X
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	39.9	1	"	"	"	"	X
M09800000	Motor Oil	BRL		mg/kg dry	39.9	1	"	"	"	"	X
J00100000	Aviation Fuel	BRL		mg/kg dry	39.9	1	"	"	"	"	X
	Unidentified	63.2		mg/kg dry	39.9	1	"	"	"	"	X
	Other Oil	Calculated as		mg/kg dry	39.9	1	"	"	"	"	X
	Diesel Range Organics (DRO)	63.2		mg/kg dry	39.9	1	"	"	"	"	X
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*107*		*40-140 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7439-97-6	Mercury	BRL		mg/kg dry	0.0429	1	SW846 7471A	29-Dec-08	31-Dec-08	8121809	X
Total Metals by EPA 200 Series Methods											
7440-22-4	Silver	BRL		mg/kg dry	2.00	1	EPA 200.7	29-Dec-08	29-Dec-08	8121808	
7440-38-2	Arsenic	12.2		mg/kg dry	2.00	1	"	"	"	"	
7440-39-3	Barium	42.6		mg/kg dry	1.34	1	"	"	"	"	
7440-43-9	Cadmium	BRL		mg/kg dry	0.668	1	"	"	"	"	
7440-47-3	Chromium	26.2		mg/kg dry	1.34	1	"	"	"	"	
7439-92-1	Lead	32.4		mg/kg dry	2.00	1	"	"	"	"	
7782-49-2	Selenium	BRL		mg/kg dry	2.00	1	"	"	"	"	
General Chemistry Parameters											
	% Solids	64.0		%		1	SM2540 G Mod.	24-Dec-08	24-Dec-08	8121861	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-2 5-7' SA89183-02	02.202174.00	Soil	17-Dec-08 10:00	23-Dec-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	23-Dec-08	23-Dec-08	8121819	
Volatile Organic Compounds			VC10								
Prepared by method SW846 5030 Soil (high level)					Initial weight: 23.97 g						
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	66.2	50	SW846 8260B	26-Dec-08	26-Dec-08	8121920	X
67-64-1	Acetone	BRL		µg/kg dry	662	50	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	66.2	50	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	66.2	50	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	66.2	50	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	66.2	50	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	66.2	50	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	66.2	50	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	132	50	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	662	50	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	66.2	50	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	66.2	50	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	66.2	50	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	331	50	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	66.2	50	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	66.2	50	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	132	50	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	66.2	50	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	132	50	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	66.2	50	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	66.2	50	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	132	50	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	66.2	50	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	66.2	50	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	66.2	50	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	66.2	50	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	66.2	50	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	66.2	50	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	132	50	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	66.2	50	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	66.2	50	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	66.2	50	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	66.2	50	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	66.2	50	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	66.2	50	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	66.2	50	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	66.2	50	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	66.2	50	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	66.2	50	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	66.2	50	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	66.2	50	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	66.2	50	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	662	50	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	66.2	50	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	66.2	50	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	66.2	50	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	662	50	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	662	50	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	66.2	50	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-2 5-7'	02.202174.00	Soil	17-Dec-08 10:00	23-Dec-08
SA89183-02				

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 5030 Soil (high level)						Initial weight: 23.97 g					
103-65-1	n-Propylbenzene	BRL		µg/kg dry	66.2	50	SW846 8260B	26-Dec-08	26-Dec-08	8121920	X
100-42-5	Styrene	BRL		µg/kg dry	66.2	50	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	66.2	50	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	66.2	50	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	66.2	50	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	66.2	50	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	66.2	50	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	66.2	50	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	66.2	50	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	66.2	50	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	66.2	50	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	66.2	50	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	66.2	50	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	66.2	50	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	66.2	50	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	66.2	50	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	66.2	50	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	132	50	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	66.2	50	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	662	50	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	66.2	50	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	66.2	50	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	66.2	50	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	66.2	50	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	662	50	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	1320	50	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	331	50	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	26500	50	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*106*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*98*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*97*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*97*		*70-130 %*			"	"	"	"	
Semivolatile Organic Compounds by GCMS											
PAHs by SW846 8270C											
Prepared by method SW846 3550B											
83-32-9	Acenaphthene	BRL		µg/kg dry	187	1	SW846 8270C	26-Dec-08	30-Dec-08	8121887	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	187	1	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	187	1	"	"	"	"	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	187	1	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	187	1	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	187	1	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	187	1	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	187	1	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	187	1	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	187	1	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	187	1	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	187	1	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	187	1	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	187	1	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-2 5-7' SA89183-02	02.202174.00	Soil	17-Dec-08 10:00	23-Dec-08

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GCMS											
PAHs by SW846 8270C											
Prepared by method SW846 3550B											
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	187	1	SW846 8270C	26-Dec-08	30-Dec-08	8121887	X
91-20-3	Naphthalene	BRL		µg/kg dry	187	1	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	187	1	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	187	1	"	"	"	"	X
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*81*		*30-130 %*			"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*93*		*30-130 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											
Diesel Range Organics											
Prepared by method SW846 3550B											
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	37.4	1	8015BM	26-Dec-08	29-Dec-08	8121886	X
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	37.4	1	"	"	"	"	X
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	37.4	1	"	"	"	"	X
M09800000	Motor Oil	BRL		mg/kg dry	37.4	1	"	"	"	"	X
J00100000	Aviation Fuel	BRL		mg/kg dry	37.4	1	"	"	"	"	X
	Unidentified	BRL		mg/kg dry	37.4	1	"	"	"	"	X
	Other Oil	BRL		mg/kg dry	37.4	1	"	"	"	"	X
	Diesel Range Organics (DRO)	BRL		mg/kg dry	37.4	1	"	"	"	"	X
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*105*		*40-140 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7439-97-6	Mercury	BRL		mg/kg dry	0.0409	1	SW846 7471A	29-Dec-08	31-Dec-08	8121809	X
Total Metals by EPA 200 Series Methods											
7440-22-4	Silver	BRL		mg/kg dry	1.87	1	EPA 200.7	29-Dec-08	29-Dec-08	8121808	
7440-38-2	Arsenic	5.72		mg/kg dry	1.87	1	"	"	"	"	
7440-39-3	Barium	33.9		mg/kg dry	1.25	1	"	"	"	"	
7440-43-9	Cadmium	BRL		mg/kg dry	0.623	1	"	"	"	"	
7440-47-3	Chromium	926		mg/kg dry	1.25	1	"	"	"	"	
7439-92-1	Lead	11.4		mg/kg dry	1.87	1	"	"	"	"	
7782-49-2	Selenium	BRL		mg/kg dry	1.87	1	"	"	"	"	
General Chemistry Parameters											
	% Solids	70.0		%		1	SM2540 G Mod.	24-Dec-08	24-Dec-08	8121861	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-3 5-6' SA89183-03	02.202174.00	Soil	17-Dec-08 10:30	23-Dec-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	23-Dec-08	23-Dec-08	8121819	
Volatile Organic Compounds			VC10								
Prepared by method SW846 5030 Soil (high level)					Initial weight: 23.39 g						
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	60.1	50	SW846 8260B	26-Dec-08	27-Dec-08	8121920	X
67-64-1	Acetone	BRL		µg/kg dry	601	50	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	60.1	50	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	60.1	50	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	60.1	50	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	60.1	50	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	60.1	50	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	60.1	50	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	120	50	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	601	50	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	60.1	50	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	60.1	50	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	60.1	50	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	300	50	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	60.1	50	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	60.1	50	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	120	50	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	60.1	50	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	120	50	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	60.1	50	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	60.1	50	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	120	50	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	60.1	50	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	60.1	50	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	60.1	50	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	60.1	50	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	60.1	50	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	60.1	50	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	120	50	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	60.1	50	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	60.1	50	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	60.1	50	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	60.1	50	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	60.1	50	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	60.1	50	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	60.1	50	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	60.1	50	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	60.1	50	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	60.1	50	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	60.1	50	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	60.1	50	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	60.1	50	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	601	50	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	60.1	50	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	60.1	50	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	60.1	50	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	601	50	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	601	50	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	60.1	50	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-3 5-6' SA89183-03	02.202174.00	Soil	17-Dec-08 10:30	23-Dec-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 5030 Soil (high level)						Initial weight: 23.39 g					
103-65-1	n-Propylbenzene	BRL		µg/kg dry	60.1	50	SW846 8260B	26-Dec-08	27-Dec-08	8121920	X
100-42-5	Styrene	BRL		µg/kg dry	60.1	50	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	60.1	50	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	60.1	50	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	60.1	50	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	60.1	50	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	60.1	50	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	60.1	50	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	60.1	50	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	60.1	50	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	60.1	50	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	60.1	50	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	60.1	50	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	60.1	50	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	60.1	50	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	60.1	50	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	60.1	50	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	120	50	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	60.1	50	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	601	50	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	60.1	50	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	60.1	50	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	60.1	50	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	60.1	50	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	601	50	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	1200	50	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	300	50	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	24000	50	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*102*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*100*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*105*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*96*		*70-130 %*			"	"	"	"	
Semivolatile Organic Compounds by GCMS											
PAHs by SW846 8270C											
Prepared by method SW846 3550B											
83-32-9	Acenaphthene	BRL		µg/kg dry	175	1	SW846 8270C	26-Dec-08	30-Dec-08	8121887	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	175	1	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	175	1	"	"	"	"	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	175	1	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	175	1	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	175	1	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	175	1	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	175	1	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	175	1	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	175	1	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	175	1	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	175	1	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	175	1	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	175	1	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-3 5-6' SA89183-03	02.202174.00	Soil	17-Dec-08 10:30	23-Dec-08

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GCMS											
PAHs by SW846 8270C											
Prepared by method SW846 3550B											
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	175	1	SW846 8270C	26-Dec-08	30-Dec-08	8121887	X
91-20-3	Naphthalene	BRL		µg/kg dry	175	1	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	175	1	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	175	1	"	"	"	"	X
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*84*		*30-130 %*			"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*91*		*30-130 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											
Diesel Range Organics											
Prepared by method SW846 3550B											
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	34.9	1	8015BM	26-Dec-08	29-Dec-08	8121886	X
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	34.9	1	"	"	"	"	X
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	34.9	1	"	"	"	"	X
M09800000	Motor Oil	BRL		mg/kg dry	34.9	1	"	"	"	"	X
J00100000	Aviation Fuel	BRL		mg/kg dry	34.9	1	"	"	"	"	X
	Unidentified	42.0		mg/kg dry	34.9	1	"	"	"	"	X
	Other Oil	Calculated as		mg/kg dry	34.9	1	"	"	"	"	X
	Diesel Range Organics (DRO)	42.0		mg/kg dry	34.9	1	"	"	"	"	X
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*104*		*40-140 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7439-97-6	Mercury	0.114		mg/kg dry	0.0353	1	SW846 7471A	29-Dec-08	31-Dec-08	8121809	X
Total Metals by EPA 200 Series Methods											
7440-22-4	Silver	BRL		mg/kg dry	1.79	1	EPA 200.7	29-Dec-08	29-Dec-08	8121808	
7440-38-2	Arsenic	16.3		mg/kg dry	1.79	1	"	"	"	"	
7440-39-3	Barium	58.2		mg/kg dry	1.19	1	"	"	"	"	
7440-43-9	Cadmium	BRL		mg/kg dry	0.596	1	"	"	"	"	
7440-47-3	Chromium	3,690		mg/kg dry	1.19	1	"	"	"	"	
7439-92-1	Lead	45.8		mg/kg dry	1.79	1	"	"	30-Dec-08	"	
7782-49-2	Selenium	1.87		mg/kg dry	1.79	1	"	"	29-Dec-08	"	
General Chemistry Parameters											
16065-83-1	Trivalent Chromium	3,650		mg/kg	1.00	1	Calculation	29-Dec-08	14-Jan-09	8121808	
	% Solids	74.5		%		1	SM2540 G Mod.	24-Dec-08	24-Dec-08	8121861	
1854-029-9	Hexavalent Chromium	40.9		mg/kg dry	1.46	1	+SW846 7196A	14-Jan-09	14-Jan-09	9010812	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-4 5-5.5' SA89183-04	02.202174.00	Soil	17-Dec-08 11:00	23-Dec-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	23-Dec-08	23-Dec-08	8121819	
Volatile Organic Compounds			VC10								
Prepared by method SW846 5030 Soil (high level)					Initial weight: 23.85 g						
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	44.5	50	SW846 8260B	30-Dec-08	30-Dec-08	8122049	X
67-64-1	Acetone	BRL		µg/kg dry	445	50	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	44.5	50	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	44.5	50	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	44.5	50	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	44.5	50	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	44.5	50	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	44.5	50	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	88.9	50	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	445	50	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	44.5	50	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	44.5	50	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	44.5	50	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	222	50	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	44.5	50	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	44.5	50	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	88.9	50	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	44.5	50	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	88.9	50	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	44.5	50	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	44.5	50	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	88.9	50	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	44.5	50	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	44.5	50	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	44.5	50	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	44.5	50	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	44.5	50	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	44.5	50	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	88.9	50	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	44.5	50	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	44.5	50	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	44.5	50	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	44.5	50	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	44.5	50	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	44.5	50	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	44.5	50	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	44.5	50	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	44.5	50	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	44.5	50	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	44.5	50	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	44.5	50	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	44.5	50	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	445	50	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	44.5	50	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	44.5	50	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	44.5	50	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	445	50	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	445	50	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	44.5	50	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-4 5-5.5' SA89183-04	02.202174.00	Soil	17-Dec-08 11:00	23-Dec-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 5030 Soil (high level)					Initial weight: 23.85 g						
103-65-1	n-Propylbenzene	BRL		µg/kg dry	44.5	50	SW846 8260B	30-Dec-08	30-Dec-08	8122049	X
100-42-5	Styrene	BRL		µg/kg dry	44.5	50	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	44.5	50	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	44.5	50	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	44.5	50	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	44.5	50	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	44.5	50	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	44.5	50	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	44.5	50	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	44.5	50	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	44.5	50	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	44.5	50	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	44.5	50	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	44.5	50	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	44.5	50	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	44.5	50	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	44.5	50	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	88.9	50	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	44.5	50	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	445	50	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	44.5	50	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	44.5	50	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	44.5	50	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	44.5	50	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	445	50	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	889	50	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	222	50	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	17800	50	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*107*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*101*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*97*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*95*		*70-130 %*			"	"	"	"	
Semivolatile Organic Compounds by GCMS											
PAHs by SW846 8270C											
Prepared by method SW846 3550B											
83-32-9	Acenaphthene	BRL		µg/kg dry	152	1	SW846 8270C	26-Dec-08	30-Dec-08	8121887	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	152	1	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	152	1	"	"	"	"	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	152	1	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	152	1	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	152	1	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	152	1	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	152	1	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	152	1	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	152	1	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	152	1	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	152	1	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	152	1	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	152	1	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-4 5-5.5'	02.202174.00	Soil	17-Dec-08 11:00	23-Dec-08
SA89183-04				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GCMS											
PAHs by SW846 8270C											
Prepared by method SW846 3550B											
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	152	1	SW846 8270C	26-Dec-08	30-Dec-08	8121887	X
91-20-3	Naphthalene	BRL		µg/kg dry	152	1	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	152	1	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	152	1	"	"	"	"	X
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*67*		*30-130 %*			"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*74*		*30-130 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											
Diesel Range Organics											
Prepared by method SW846 3550B											
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	30.4	1	8015BM	26-Dec-08	29-Dec-08	8121886	X
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	30.4	1	"	"	"	"	X
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	30.4	1	"	"	"	"	X
M09800000	Motor Oil	BRL		mg/kg dry	30.4	1	"	"	"	"	X
J00100000	Aviation Fuel	BRL		mg/kg dry	30.4	1	"	"	"	"	X
	Unidentified	43.0		mg/kg dry	30.4	1	"	"	"	"	X
	Other Oil	Calculated as		mg/kg dry	30.4	1	"	"	"	"	X
	Diesel Range Organics (DRO)	43.0		mg/kg dry	30.4	1	"	"	"	"	X
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*115*		*40-140 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7439-97-6	Mercury	0.0643		mg/kg dry	0.0310	1	SW846 7471A	29-Dec-08	31-Dec-08	8121809	X
Total Metals by EPA 200 Series Methods											
7440-22-4	Silver	BRL		mg/kg dry	1.57	1	EPA 200.7	29-Dec-08	29-Dec-08	8121808	
7440-38-2	Arsenic	10.6		mg/kg dry	1.57	1	"	"	"	"	
7440-39-3	Barium	79.7		mg/kg dry	1.04	1	"	"	"	"	
7440-43-9	Cadmium	BRL		mg/kg dry	0.522	1	"	"	"	"	
7440-47-3	Chromium	1,680		mg/kg dry	1.04	1	"	"	"	"	
7439-92-1	Lead	30.5		mg/kg dry	1.57	1	"	"	30-Dec-08	"	
7782-49-2	Selenium	BRL		mg/kg dry	1.57	1	"	"	29-Dec-08	"	
General Chemistry Parameters											
16065-83-1	Trivalent Chromium	1,650		mg/kg	1.00	1	Calculation	29-Dec-08	14-Jan-09	8121808	
	% Solids	86.2		%		1	SM2540 G Mod.	24-Dec-08	24-Dec-08	8121861	
1854-029-9	Hexavalent Chromium	26.7		mg/kg dry	1.05	1	+SW846 7196A	14-Jan-09	14-Jan-09	9010812	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-5 5-7' SA89183-05	02.202174.00	Soil	17-Dec-08 11:30	23-Dec-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	23-Dec-08	23-Dec-08	8121819	
Volatile Organic Compounds			VC10								
Prepared by method SW846 5030 Soil (high level)					Initial weight: 24.81 g						
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	41.7	50	SW846 8260B	29-Dec-08	29-Dec-08	8121954	X
67-64-1	Acetone	BRL		µg/kg dry	417	50	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	41.7	50	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	41.7	50	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	41.7	50	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	41.7	50	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	41.7	50	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	41.7	50	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	83.5	50	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	417	50	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	41.7	50	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	41.7	50	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	41.7	50	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	209	50	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	41.7	50	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	41.7	50	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	83.5	50	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	41.7	50	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	83.5	50	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	41.7	50	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	41.7	50	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	83.5	50	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	41.7	50	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	41.7	50	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	41.7	50	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	41.7	50	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	41.7	50	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	41.7	50	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	83.5	50	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	41.7	50	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	41.7	50	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	41.7	50	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	41.7	50	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	41.7	50	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	41.7	50	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	41.7	50	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	41.7	50	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	41.7	50	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	41.7	50	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	41.7	50	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	41.7	50	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	41.7	50	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	417	50	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	41.7	50	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	41.7	50	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	41.7	50	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	417	50	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	417	50	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	41.7	50	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-5 5-7' SA89183-05	02.202174.00	Soil	17-Dec-08 11:30	23-Dec-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 5030 Soil (high level)					Initial weight: 24.81 g						
103-65-1	n-Propylbenzene	BRL		µg/kg dry	41.7	50	SW846 8260B	29-Dec-08	29-Dec-08	8121954	X
100-42-5	Styrene	BRL		µg/kg dry	41.7	50	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	41.7	50	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	41.7	50	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	41.7	50	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	41.7	50	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	41.7	50	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	41.7	50	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	41.7	50	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	41.7	50	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	41.7	50	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	41.7	50	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	41.7	50	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	41.7	50	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	41.7	50	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	41.7	50	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	41.7	50	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	83.5	50	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	41.7	50	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	417	50	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	41.7	50	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	41.7	50	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	41.7	50	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	41.7	50	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	417	50	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	835	50	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	209	50	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	16700	50	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*106*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*100*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*93*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*91*		*70-130 %*			"	"	"	"	
Semivolatile Organic Compounds by GCMS											
PAHs by SW846 8270C											
Prepared by method SW846 3550B											
83-32-9	Acenaphthene	BRL		µg/kg dry	151	1	SW846 8270C	26-Dec-08	30-Dec-08	8121887	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	151	1	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	151	1	"	"	"	"	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	151	1	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	151	1	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	151	1	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	151	1	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	151	1	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	151	1	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	151	1	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	151	1	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	151	1	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	151	1	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	151	1	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-5 5-7' SA89183-05	02.202174.00	Soil	17-Dec-08 11:30	23-Dec-08

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GCMS											
PAHs by SW846 8270C											
Prepared by method SW846 3550B											
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	151	1	SW846 8270C	26-Dec-08	30-Dec-08	8121887	X
91-20-3	Naphthalene	BRL		µg/kg dry	151	1	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	151	1	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	151	1	"	"	"	"	X
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*60*		*30-130 %*			"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*66*		*30-130 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											
Diesel Range Organics											
Prepared by method SW846 3550B											
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	30.2	1	8015BM	26-Dec-08	29-Dec-08	8121886	X
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	30.2	1	"	"	"	"	X
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	30.2	1	"	"	"	"	X
M09800000	Motor Oil	BRL		mg/kg dry	30.2	1	"	"	"	"	X
J00100000	Aviation Fuel	BRL		mg/kg dry	30.2	1	"	"	"	"	X
	Unidentified	BRL		mg/kg dry	30.2	1	"	"	"	"	X
	Other Oil	BRL		mg/kg dry	30.2	1	"	"	"	"	X
	Diesel Range Organics (DRO)	BRL		mg/kg dry	30.2	1	"	"	"	"	X
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*95*		*40-140 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7439-97-6	Mercury	BRL		mg/kg dry	0.0304	1	SW846 7471A	29-Dec-08	31-Dec-08	8121809	X
Total Metals by EPA 200 Series Methods											
7440-22-4	Silver	BRL		mg/kg dry	1.63	1	EPA 200.7	29-Dec-08	29-Dec-08	8121808	
7440-38-2	Arsenic	2.26		mg/kg dry	1.63	1	"	"	"	"	
7440-39-3	Barium	23.9		mg/kg dry	1.08	1	"	"	"	"	
7440-43-9	Cadmium	BRL		mg/kg dry	0.542	1	"	"	"	"	
7440-47-3	Chromium	20.1		mg/kg dry	1.08	1	"	"	"	"	
7439-92-1	Lead	6.81		mg/kg dry	1.63	1	"	"	30-Dec-08	"	
7782-49-2	Selenium	BRL		mg/kg dry	1.63	1	"	"	29-Dec-08	"	
General Chemistry Parameters											
	% Solids	87.4		%		1	SM2540 G Mod.	24-Dec-08	24-Dec-08	8121861	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-7 5-7' SA89183-06	02.202174.00	Soil	17-Dec-08 12:30	23-Dec-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	23-Dec-08	23-Dec-08	8121819	
Volatile Organic Compounds			VC10								
Prepared by method SW846 5030 Soil (high level)					Initial weight: 20.47 g						
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	73.5	50	SW846 8260B	30-Dec-08	30-Dec-08	8122049	X
67-64-1	Acetone	BRL		µg/kg dry	735	50	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	73.5	50	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	73.5	50	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	73.5	50	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	73.5	50	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	73.5	50	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	73.5	50	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	147	50	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	735	50	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	73.5	50	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	73.5	50	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	73.5	50	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	367	50	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	73.5	50	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	73.5	50	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	147	50	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	73.5	50	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	147	50	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	73.5	50	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	73.5	50	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	147	50	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	73.5	50	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	73.5	50	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	73.5	50	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	73.5	50	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	73.5	50	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	73.5	50	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	147	50	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	73.5	50	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	73.5	50	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	73.5	50	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	73.5	50	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	73.5	50	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	73.5	50	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	73.5	50	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	73.5	50	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	73.5	50	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	73.5	50	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	73.5	50	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	73.5	50	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	73.5	50	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	735	50	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	73.5	50	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	73.5	50	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	73.5	50	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	735	50	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	735	50	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	73.5	50	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-7 5-7' SA89183-06	02.202174.00	Soil	17-Dec-08 12:30	23-Dec-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 5030 Soil (high level)						Initial weight: 20.47 g					
103-65-1	n-Propylbenzene	BRL		µg/kg dry	73.5	50	SW846 8260B	30-Dec-08	30-Dec-08	8122049	X
100-42-5	Styrene	BRL		µg/kg dry	73.5	50	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	73.5	50	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	73.5	50	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	73.5	50	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	73.5	50	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	73.5	50	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	73.5	50	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	73.5	50	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	73.5	50	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	73.5	50	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	73.5	50	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	73.5	50	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	73.5	50	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	73.5	50	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	73.5	50	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	73.5	50	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	147	50	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	73.5	50	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	735	50	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	73.5	50	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	73.5	50	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	73.5	50	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	73.5	50	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	735	50	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	1470	50	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	367	50	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	29400	50	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*106*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*99*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*93*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*95*		*70-130 %*			"	"	"	"	
Semivolatile Organic Compounds by GCMS											
PAHs by SW846 8270C											
Prepared by method SW846 3550B											
83-32-9	Acenaphthene	BRL		µg/kg dry	180	1	SW846 8270C	26-Dec-08	30-Dec-08	8121887	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	180	1	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	180	1	"	"	"	"	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	180	1	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	180	1	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	180	1	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	180	1	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	180	1	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	180	1	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	180	1	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	180	1	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	180	1	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	180	1	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	180	1	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-7 5-7' SA89183-06	02.202174.00	Soil	17-Dec-08 12:30	23-Dec-08

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GCMS											
PAHs by SW846 8270C											
Prepared by method SW846 3550B											
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	180	1	SW846 8270C	26-Dec-08	30-Dec-08	8121887	X
91-20-3	Naphthalene	BRL		µg/kg dry	180	1	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	180	1	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	180	1	"	"	"	"	X
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*78*		*30-130 %*			"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*89*		*30-130 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											
Diesel Range Organics											
Prepared by method SW846 3550B											
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	36.1	1	8015BM	26-Dec-08	29-Dec-08	8121886	X
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	36.1	1	"	"	"	"	X
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	36.1	1	"	"	"	"	X
M09800000	Motor Oil	BRL		mg/kg dry	36.1	1	"	"	"	"	X
J00100000	Aviation Fuel	BRL		mg/kg dry	36.1	1	"	"	"	"	X
	Unidentified	BRL		mg/kg dry	36.1	1	"	"	"	"	X
	Other Oil	BRL		mg/kg dry	36.1	1	"	"	"	"	X
	Diesel Range Organics (DRO)	BRL		mg/kg dry	36.1	1	"	"	"	"	X
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*109*		*40-140 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7439-97-6	Mercury	BRL		mg/kg dry	0.0378	1	SW846 7471A	29-Dec-08	31-Dec-08	8121809	X
Total Metals by EPA 200 Series Methods											
7440-22-4	Silver	BRL		mg/kg dry	1.95	1	EPA 200.7	29-Dec-08	29-Dec-08	8121808	
7440-38-2	Arsenic	2.84		mg/kg dry	1.95	1	"	"	"	"	
7440-39-3	Barium	21.7		mg/kg dry	1.30	1	"	"	"	"	
7440-43-9	Cadmium	BRL		mg/kg dry	0.651	1	"	"	"	"	
7440-47-3	Chromium	10.2		mg/kg dry	1.30	1	"	"	"	"	
7439-92-1	Lead	4.16		mg/kg dry	1.95	1	"	"	30-Dec-08	"	
7782-49-2	Selenium	BRL		mg/kg dry	1.95	1	"	"	29-Dec-08	"	
General Chemistry Parameters											
	% Solids	70.2		%		1	SM2540 G Mod.	24-Dec-08	24-Dec-08	8121861	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-8 5-6.5' SA89183-07	02.202174.00	Soil	17-Dec-08 13:00	23-Dec-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	23-Dec-08	23-Dec-08	8121819	
Volatile Organic Compounds			VC10								
Prepared by method SW846 5030 Soil (high level)					Initial weight: 20.38 g						
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	74.1	50	SW846 8260B	30-Dec-08	30-Dec-08	8122049	X
67-64-1	Acetone	BRL		µg/kg dry	741	50	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	74.1	50	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	74.1	50	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	74.1	50	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	74.1	50	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	74.1	50	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	74.1	50	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	148	50	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	741	50	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	74.1	50	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	74.1	50	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	74.1	50	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	371	50	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	74.1	50	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	74.1	50	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	148	50	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	74.1	50	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	148	50	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	74.1	50	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	74.1	50	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	148	50	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	74.1	50	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	74.1	50	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	74.1	50	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	74.1	50	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	74.1	50	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	74.1	50	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	148	50	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	74.1	50	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	74.1	50	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	74.1	50	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	74.1	50	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	74.1	50	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	74.1	50	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	74.1	50	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	74.1	50	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	74.1	50	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	74.1	50	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	74.1	50	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	74.1	50	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	74.1	50	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	741	50	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	74.1	50	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	74.1	50	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	74.1	50	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	741	50	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	741	50	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	74.1	50	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-8 5-6.5' SA89183-07	02.202174.00	Soil	17-Dec-08 13:00	23-Dec-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 5030 Soil (high level)						Initial weight: 20.38 g					
103-65-1	n-Propylbenzene	BRL		µg/kg dry	74.1	50	SW846 8260B	30-Dec-08	30-Dec-08	8122049	X
100-42-5	Styrene	BRL		µg/kg dry	74.1	50	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	74.1	50	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	74.1	50	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	74.1	50	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	74.1	50	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	74.1	50	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	74.1	50	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	74.1	50	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	74.1	50	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	74.1	50	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	74.1	50	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	74.1	50	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	74.1	50	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	74.1	50	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	74.1	50	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	74.1	50	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	148	50	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	74.1	50	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	741	50	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	74.1	50	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	74.1	50	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	74.1	50	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	74.1	50	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	741	50	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	1480	50	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	371	50	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	29700	50	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*111*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*100*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*94*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*93*		*70-130 %*			"	"	"	"	
Semivolatile Organic Compounds by GCMS											
PAHs by SW846 8270C											
Prepared by method SW846 3550B											
83-32-9	Acenaphthene	BRL		µg/kg dry	186	1	SW846 8270C	26-Dec-08	30-Dec-08	8121887	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	186	1	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	186	1	"	"	"	"	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	186	1	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	186	1	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	186	1	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	186	1	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	186	1	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	186	1	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	186	1	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	186	1	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	186	1	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	186	1	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	186	1	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-8 5-6.5' SA89183-07	02.202174.00	Soil	17-Dec-08 13:00	23-Dec-08

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GCMS											
PAHs by SW846 8270C											
Prepared by method SW846 3550B											
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	186	1	SW846 8270C	26-Dec-08	30-Dec-08	8121887	X
91-20-3	Naphthalene	BRL		µg/kg dry	186	1	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	186	1	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	186	1	"	"	"	"	X
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*87*		*30-130 %*			"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*94*		*30-130 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											
Diesel Range Organics											
Prepared by method SW846 3550B											
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	37.2	1	8015BM	26-Dec-08	29-Dec-08	8121886	X
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	37.2	1	"	"	"	"	X
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	37.2	1	"	"	"	"	X
M09800000	Motor Oil	BRL		mg/kg dry	37.2	1	"	"	"	"	X
J00100000	Aviation Fuel	BRL		mg/kg dry	37.2	1	"	"	"	"	X
	Unidentified	64.8		mg/kg dry	37.2	1	"	"	"	"	X
	Other Oil	Calculated as		mg/kg dry	37.2	1	"	"	"	"	X
	Diesel Range Organics (DRO)	64.8		mg/kg dry	37.2	1	"	"	"	"	X
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*107*		*40-140 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7439-97-6	Mercury	0.0511		mg/kg dry	0.0425	1	SW846 7471A	29-Dec-08	31-Dec-08	8121809	X
Total Metals by EPA 200 Series Methods											
7440-22-4	Silver	BRL		mg/kg dry	1.89	1	EPA 200.7	29-Dec-08	29-Dec-08	8121808	
7440-38-2	Arsenic	15.6		mg/kg dry	1.89	1	"	"	"	"	
7440-39-3	Barium	65.8		mg/kg dry	1.26	1	"	"	"	"	
7440-43-9	Cadmium	BRL		mg/kg dry	0.631	1	"	"	"	"	
7440-47-3	Chromium	271		mg/kg dry	1.26	1	"	"	"	"	
7439-92-1	Lead	59.5		mg/kg dry	1.89	1	"	"	30-Dec-08	"	
7782-49-2	Selenium	BRL		mg/kg dry	1.89	1	"	"	29-Dec-08	"	
General Chemistry Parameters											
	% Solids	69.9		%		1	SM2540 G Mod.	24-Dec-08	24-Dec-08	8121861	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-9 5-7' SA89183-08	02.202174.00	Soil	17-Dec-08 13:30	23-Dec-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	23-Dec-08	23-Dec-08	8121819	
Volatile Organic Compounds			VC10								
Prepared by method SW846 5030 Soil (high level)					Initial weight: 19.47 g						
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	49.6	50	SW846 8260B	31-Dec-08	31-Dec-08	8122120	X
67-64-1	Acetone	BRL		µg/kg dry	496	50	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	49.6	50	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	49.6	50	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	49.6	50	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	49.6	50	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	49.6	50	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	49.6	50	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	99.3	50	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	496	50	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	49.6	50	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	49.6	50	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	49.6	50	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	248	50	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	49.6	50	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	49.6	50	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	99.3	50	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	49.6	50	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	99.3	50	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	49.6	50	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	49.6	50	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	99.3	50	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	49.6	50	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	49.6	50	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	49.6	50	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	49.6	50	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	49.6	50	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	49.6	50	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	99.3	50	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	49.6	50	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	49.6	50	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	49.6	50	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	49.6	50	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	49.6	50	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	49.6	50	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	49.6	50	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	49.6	50	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	49.6	50	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	49.6	50	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	49.6	50	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	49.6	50	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	49.6	50	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	496	50	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	49.6	50	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	49.6	50	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	49.6	50	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	496	50	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	496	50	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	49.6	50	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-9 5-7' SA89183-08	02.202174.00	Soil	17-Dec-08 13:30	23-Dec-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 5030 Soil (high level)					Initial weight: 19.47 g						
103-65-1	n-Propylbenzene	BRL		µg/kg dry	49.6	50	SW846 8260B	31-Dec-08	31-Dec-08	8122120	X
100-42-5	Styrene	BRL		µg/kg dry	49.6	50	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	49.6	50	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	49.6	50	"	"	"	"	X
127-18-4	Tetrachloroethene	132		µg/kg dry	49.6	50	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	49.6	50	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	49.6	50	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	49.6	50	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	49.6	50	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	49.6	50	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	49.6	50	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	49.6	50	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	49.6	50	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	49.6	50	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	49.6	50	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	49.6	50	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	49.6	50	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	99.3	50	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	49.6	50	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	496	50	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	49.6	50	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	49.6	50	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	49.6	50	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	49.6	50	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	496	50	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	993	50	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	248	50	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	19900	50	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*111*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*99*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*108*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*113*		*70-130 %*			"	"	"	"	
Semivolatile Organic Compounds by GCMS											
PAHs by SW846 8270C											
Prepared by method SW846 3550B											
83-32-9	Acenaphthene	BRL		µg/kg dry	146	1	SW846 8270C	26-Dec-08	30-Dec-08	8121887	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	146	1	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	146	1	"	"	"	"	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	146	1	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	146	1	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	146	1	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	146	1	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	146	1	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	146	1	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	146	1	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	146	1	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	146	1	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	146	1	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	146	1	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-9 5-7' SA89183-08	02.202174.00	Soil	17-Dec-08 13:30	23-Dec-08

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GCMS											
PAHs by SW846 8270C											
Prepared by method SW846 3550B											
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	146	1	SW846 8270C	26-Dec-08	30-Dec-08	8121887	X
91-20-3	Naphthalene	BRL		µg/kg dry	146	1	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	146	1	"	"	"	"	X
129-00-0	Pyrene	159		µg/kg dry	146	1	"	"	"	"	X
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*69*		*30-130 %*			"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*78*		*30-130 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											
Diesel Range Organics											
Prepared by method SW846 3550B											
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	29.1	1	8015BM	26-Dec-08	29-Dec-08	8121886	X
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	29.1	1	"	"	"	"	X
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	29.1	1	"	"	"	"	X
M09800000	Motor Oil	BRL		mg/kg dry	29.1	1	"	"	"	"	X
J00100000	Aviation Fuel	BRL		mg/kg dry	29.1	1	"	"	"	"	X
	Unidentified	91.1		mg/kg dry	29.1	1	"	"	"	"	X
	Other Oil	Calculated as		mg/kg dry	29.1	1	"	"	"	"	X
	Diesel Range Organics (DRO)	91.1		mg/kg dry	29.1	1	"	"	"	"	X
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*99*		*40-140 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7439-97-6	Mercury	0.651		mg/kg dry	0.0322	1	SW846 7471A	29-Dec-08	31-Dec-08	8121809	X
Total Metals by EPA 200 Series Methods											
7440-22-4	Silver	BRL		mg/kg dry	1.54	1	EPA 200.7	29-Dec-08	29-Dec-08	8121808	
7440-38-2	Arsenic	3.52		mg/kg dry	1.54	1	"	"	"	"	
7440-39-3	Barium	26.8		mg/kg dry	1.03	1	"	"	"	"	
7440-43-9	Cadmium	1.01		mg/kg dry	0.513	1	"	"	"	"	
7440-47-3	Chromium	62.5		mg/kg dry	1.03	1	"	"	"	"	
7439-92-1	Lead	23.1		mg/kg dry	1.54	1	"	"	30-Dec-08	"	
7782-49-2	Selenium	1.66		mg/kg dry	1.54	1	"	"	29-Dec-08	"	
General Chemistry Parameters											
	% Solids	88.8		%		1	SM2540 G Mod.	24-Dec-08	24-Dec-08	8121861	

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8121920 - SW846 5030 Soil (high level)										
Blank (8121920-BLK1)										
Prepared & Analyzed: 26-Dec-08										
1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg wet	1.0						
Acetone	BRL		µg/kg wet	10.0						
Acrylonitrile	BRL		µg/kg wet	1.0						
Benzene	BRL		µg/kg wet	1.0						
Bromobenzene	BRL		µg/kg wet	1.0						
Bromochloromethane	BRL		µg/kg wet	1.0						
Bromodichloromethane	BRL		µg/kg wet	1.0						
Bromoform	BRL		µg/kg wet	1.0						
Bromomethane	BRL		µg/kg wet	2.0						
2-Butanone (MEK)	BRL		µg/kg wet	10.0						
n-Butylbenzene	BRL		µg/kg wet	1.0						
sec-Butylbenzene	BRL		µg/kg wet	1.0						
tert-Butylbenzene	BRL		µg/kg wet	1.0						
Carbon disulfide	BRL		µg/kg wet	5.0						
Carbon tetrachloride	BRL		µg/kg wet	1.0						
Chlorobenzene	BRL		µg/kg wet	1.0						
Chloroethane	BRL		µg/kg wet	2.0						
Chloroform	BRL		µg/kg wet	1.0						
Chloromethane	BRL		µg/kg wet	2.0						
2-Chlorotoluene	BRL		µg/kg wet	1.0						
4-Chlorotoluene	BRL		µg/kg wet	1.0						
1,2-Dibromo-3-chloropropane	BRL		µg/kg wet	2.0						
Dibromochloromethane	BRL		µg/kg wet	1.0						
1,2-Dibromoethane (EDB)	BRL		µg/kg wet	1.0						
Dibromomethane	BRL		µg/kg wet	1.0						
1,2-Dichlorobenzene	BRL		µg/kg wet	1.0						
1,3-Dichlorobenzene	BRL		µg/kg wet	1.0						
1,4-Dichlorobenzene	BRL		µg/kg wet	1.0						
Dichlorodifluoromethane (Freon12)	BRL		µg/kg wet	2.0						
1,1-Dichloroethane	BRL		µg/kg wet	1.0						
1,2-Dichloroethane	BRL		µg/kg wet	1.0						
1,1-Dichloroethene	BRL		µg/kg wet	1.0						
cis-1,2-Dichloroethene	BRL		µg/kg wet	1.0						
trans-1,2-Dichloroethene	BRL		µg/kg wet	1.0						
1,2-Dichloropropane	BRL		µg/kg wet	1.0						
1,3-Dichloropropane	BRL		µg/kg wet	1.0						
2,2-Dichloropropane	BRL		µg/kg wet	1.0						
1,1-Dichloropropene	BRL		µg/kg wet	1.0						
cis-1,3-Dichloropropene	BRL		µg/kg wet	1.0						
trans-1,3-Dichloropropene	BRL		µg/kg wet	1.0						
Ethylbenzene	BRL		µg/kg wet	1.0						
Hexachlorobutadiene	BRL		µg/kg wet	1.0						
2-Hexanone (MBK)	BRL		µg/kg wet	10.0						
Isopropylbenzene	BRL		µg/kg wet	1.0						
4-Isopropyltoluene	BRL		µg/kg wet	1.0						
Methyl tert-butyl ether	BRL		µg/kg wet	1.0						
4-Methyl-2-pentanone (MIBK)	BRL		µg/kg wet	10.0						
Methylene chloride	BRL		µg/kg wet	10.0						
Naphthalene	BRL		µg/kg wet	1.0						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8121920 - SW846 5030 Soil (high level)										
Blank (8121920-BLK1)										
Prepared & Analyzed: 26-Dec-08										
n-Propylbenzene	BRL		µg/kg wet	1.0						
Styrene	BRL		µg/kg wet	1.0						
1,1,1,2-Tetrachloroethane	BRL		µg/kg wet	1.0						
1,1,2,2-Tetrachloroethane	BRL		µg/kg wet	1.0						
Tetrachloroethene	BRL		µg/kg wet	1.0						
Toluene	BRL		µg/kg wet	1.0						
1,2,3-Trichlorobenzene	BRL		µg/kg wet	1.0						
1,2,4-Trichlorobenzene	BRL		µg/kg wet	1.0						
1,3,5-Trichlorobenzene	BRL		µg/kg wet	1.0						
1,1,1-Trichloroethane	BRL		µg/kg wet	1.0						
1,1,2-Trichloroethane	BRL		µg/kg wet	1.0						
Trichloroethene	BRL		µg/kg wet	1.0						
Trichlorofluoromethane (Freon 11)	BRL		µg/kg wet	1.0						
1,2,3-Trichloropropane	BRL		µg/kg wet	1.0						
1,2,4-Trimethylbenzene	BRL		µg/kg wet	1.0						
1,3,5-Trimethylbenzene	BRL		µg/kg wet	1.0						
Vinyl chloride	BRL		µg/kg wet	1.0						
m,p-Xylene	BRL		µg/kg wet	2.0						
o-Xylene	BRL		µg/kg wet	1.0						
Tetrahydrofuran	BRL		µg/kg wet	10.0						
Ethyl ether	BRL		µg/kg wet	1.0						
Tert-amyl methyl ether	BRL		µg/kg wet	1.0						
Ethyl tert-butyl ether	BRL		µg/kg wet	1.0						
Di-isopropyl ether	BRL		µg/kg wet	1.0						
Tert-Butanol / butyl alcohol	BRL		µg/kg wet	10.0						
1,4-Dioxane	BRL		µg/kg wet	20.0						
trans-1,4-Dichloro-2-butene	BRL		µg/kg wet	5.0						
Ethanol	BRL		µg/kg wet	400						
Surrogate: 4-Bromofluorobenzene	*29.9*		µg/kg wet		*30.0*		*100*	*70-130*		
Surrogate: Toluene-d8	*29.7*		µg/kg wet		*30.0*		*99*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*29.6*		µg/kg wet		*30.0*		*99*	*70-130*		
Surrogate: Dibromofluoromethane	*28.4*		µg/kg wet		*30.0*		*95*	*70-130*		
LCS (8121920-BS1)										
Prepared & Analyzed: 26-Dec-08										
1,1,2-Trichlorotrifluoroethane (Freon 113)	15.7		µg/kg wet		20.0		79	70-130		
Acetone	19.1		µg/kg wet		20.0		96	0-168		
Acrylonitrile	14.5		µg/kg wet		20.0		73	70-130		
Benzene	19.3		µg/kg wet		20.0		96	70-130		
Bromobenzene	21.8		µg/kg wet		20.0		109	70-130		
Bromochloromethane	20.6		µg/kg wet		20.0		103	70-130		
Bromodichloromethane	15.9		µg/kg wet		20.0		80	70-130		
Bromoform	16.3		µg/kg wet		20.0		81	70-130		
Bromomethane	18.7		µg/kg wet		20.0		93	40.9-138		
2-Butanone (MEK)	15.0		µg/kg wet		20.0		75	29.8-145		
n-Butylbenzene	17.4		µg/kg wet		20.0		87	70-130		
sec-Butylbenzene	21.8		µg/kg wet		20.0		109	70-130		
tert-Butylbenzene	22.0		µg/kg wet		20.0		110	70-130		
Carbon disulfide	13.0	QC2	µg/kg wet		20.0		65	70-130		
Carbon tetrachloride	16.7		µg/kg wet		20.0		83	70-130		
Chlorobenzene	21.7		µg/kg wet		20.0		108	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8121920 - SW846 5030 Soil (high level)										
LCS (8121920-BS1)										
Prepared & Analyzed: 26-Dec-08										
Chloroethane	16.8		µg/kg wet		20.0		84	47.5-130		
Chloroform	17.1		µg/kg wet		20.0		86	70-130		
Chloromethane	14.2		µg/kg wet		20.0		71	70-130		
2-Chlorotoluene	19.5		µg/kg wet		20.0		98	70-130		
4-Chlorotoluene	19.8		µg/kg wet		20.0		99	70-130		
1,2-Dibromo-3-chloropropane	13.6	QC1	µg/kg wet		20.0		68	70-130		
Dibromochloromethane	15.6		µg/kg wet		20.0		78	66.2-130		
1,2-Dibromoethane (EDB)	17.7		µg/kg wet		20.0		88	70-130		
Dibromomethane	18.2		µg/kg wet		20.0		91	70-130		
1,2-Dichlorobenzene	18.5		µg/kg wet		20.0		92	70-130		
1,3-Dichlorobenzene	21.1		µg/kg wet		20.0		106	70-130		
1,4-Dichlorobenzene	18.5		µg/kg wet		20.0		92	70-130		
Dichlorodifluoromethane (Freon12)	15.0		µg/kg wet		20.0		75	32-158		
1,1-Dichloroethane	15.0		µg/kg wet		20.0		75	70-130		
1,2-Dichloroethane	18.2		µg/kg wet		20.0		91	70-130		
1,1-Dichloroethene	16.1		µg/kg wet		20.0		80	70-130		
cis-1,2-Dichloroethene	15.5		µg/kg wet		20.0		77	70-130		
trans-1,2-Dichloroethene	17.2		µg/kg wet		20.0		86	70-130		
1,2-Dichloropropane	18.4		µg/kg wet		20.0		92	70-130		
1,3-Dichloropropane	18.3		µg/kg wet		20.0		92	70-130		
2,2-Dichloropropane	16.3		µg/kg wet		20.0		82	70-130		
1,1-Dichloropropene	19.0		µg/kg wet		20.0		95	70-130		
cis-1,3-Dichloropropene	15.9		µg/kg wet		20.0		80	70-130		
trans-1,3-Dichloropropene	15.0		µg/kg wet		20.0		75	70-130		
Ethylbenzene	20.6		µg/kg wet		20.0		103	70-130		
Hexachlorobutadiene	20.7		µg/kg wet		20.0		104	53.6-138		
2-Hexanone (MBK)	16.7		µg/kg wet		20.0		83	70-130		
Isopropylbenzene	22.5		µg/kg wet		20.0		112	70-130		
4-Isopropyltoluene	18.5		µg/kg wet		20.0		92	70-130		
Methyl tert-butyl ether	17.1		µg/kg wet		20.0		85	70-130		
4-Methyl-2-pentanone (MIBK)	17.2		µg/kg wet		20.0		86	53.5-137		
Methylene chloride	14.9		µg/kg wet		20.0		75	70-130		
Naphthalene	16.9		µg/kg wet		20.0		84	70-130		
n-Propylbenzene	20.9		µg/kg wet		20.0		105	70-130		
Styrene	20.7		µg/kg wet		20.0		103	70-130		
1,1,1,2-Tetrachloroethane	17.0		µg/kg wet		20.0		85	70-130		
1,1,2,2-Tetrachloroethane	19.9		µg/kg wet		20.0		100	70-130		
Tetrachloroethene	20.8		µg/kg wet		20.0		104	70-130		
Toluene	19.6		µg/kg wet		20.0		98	70-130		
1,2,3-Trichlorobenzene	19.5		µg/kg wet		20.0		98	70-130		
1,2,4-Trichlorobenzene	19.3		µg/kg wet		20.0		96	70-130		
1,3,5-Trichlorobenzene	20.4		µg/kg wet		20.0		102	70-130		
1,1,1-Trichloroethane	17.5		µg/kg wet		20.0		88	70-130		
1,1,2-Trichloroethane	19.1		µg/kg wet		20.0		96	70-130		
Trichloroethene	17.8		µg/kg wet		20.0		89	70-130		
Trichlorofluoromethane (Freon 11)	18.1		µg/kg wet		20.0		90	50.9-138		
1,2,3-Trichloropropane	18.2		µg/kg wet		20.0		91	70-130		
1,2,4-Trimethylbenzene	20.4		µg/kg wet		20.0		102	70-130		
1,3,5-Trimethylbenzene	20.9		µg/kg wet		20.0		104	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8121920 - SW846 5030 Soil (high level)										
LCS (8121920-BS1)										
Prepared & Analyzed: 26-Dec-08										
Vinyl chloride	14.6		µg/kg wet		20.0		73	70-130		
m,p-Xylene	41.5		µg/kg wet		40.0		104	70-130		
o-Xylene	20.7		µg/kg wet		20.0		103	70-130		
Tetrahydrofuran	18.7		µg/kg wet		20.0		94	70-130		
Ethyl ether	15.6		µg/kg wet		20.0		78	61.4-130		
Tert-amyl methyl ether	16.6		µg/kg wet		20.0		83	70-130		
Ethyl tert-butyl ether	19.6		µg/kg wet		20.0		98	70-130		
Di-isopropyl ether	16.4		µg/kg wet		20.0		82	70-130		
Tert-Butanol / butyl alcohol	160		µg/kg wet		200		80	70-130		
1,4-Dioxane	164		µg/kg wet		200		82	48.3-142		
trans-1,4-Dichloro-2-butene	16.9		µg/kg wet		20.0		84	70-130		
Ethanol	315		µg/kg wet		400		79	70-130		
Surrogate: 4-Bromofluorobenzene	*31.4*		µg/kg wet		*30.0*		*105*	*70-130*		
Surrogate: Toluene-d8	*29.5*		µg/kg wet		*30.0*		*98*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*28.0*		µg/kg wet		*30.0*		*93*	*70-130*		
Surrogate: Dibromofluoromethane	*29.8*		µg/kg wet		*30.0*		*100*	*70-130*		
LCS Dup (8121920-BSD1)										
Prepared & Analyzed: 26-Dec-08										
1,1,2-Trichlorotrifluoroethane (Freon 113)	15.1		µg/kg wet		20.0		76	70-130	4	25
Acetone	16.5		µg/kg wet		20.0		83	0-168	15	50
Acrylonitrile	15.5		µg/kg wet		20.0		78	70-130	7	25
Benzene	19.4		µg/kg wet		20.0		97	70-130	0.4	25
Bromobenzene	20.4		µg/kg wet		20.0		102	70-130	6	25
Bromochloromethane	20.4		µg/kg wet		20.0		102	70-130	1	25
Bromodichloromethane	16.9		µg/kg wet		20.0		84	70-130	6	25
Bromoform	15.6		µg/kg wet		20.0		78	70-130	4	25
Bromomethane	17.8		µg/kg wet		20.0		89	40.9-138	5	50
2-Butanone (MEK)	16.1		µg/kg wet		20.0		80	29.8-145	7	50
n-Butylbenzene	17.7		µg/kg wet		20.0		88	70-130	1	25
sec-Butylbenzene	20.4		µg/kg wet		20.0		102	70-130	6	25
tert-Butylbenzene	20.1		µg/kg wet		20.0		101	70-130	9	25
Carbon disulfide	13.5	QC2	µg/kg wet		20.0		68	70-130	3	25
Carbon tetrachloride	16.6		µg/kg wet		20.0		83	70-130	0.4	25
Chlorobenzene	20.0		µg/kg wet		20.0		100	70-130	8	25
Chloroethane	16.9		µg/kg wet		20.0		84	47.5-130	0.2	50
Chloroform	17.3		µg/kg wet		20.0		87	70-130	1	25
Chloromethane	14.7		µg/kg wet		20.0		74	70-130	3	25
2-Chlorotoluene	18.7		µg/kg wet		20.0		94	70-130	4	25
4-Chlorotoluene	18.9		µg/kg wet		20.0		94	70-130	5	25
1,2-Dibromo-3-chloropropane	14.6		µg/kg wet		20.0		73	70-130	7	25
Dibromochloromethane	15.9		µg/kg wet		20.0		79	66.2-130	2	50
1,2-Dibromoethane (EDB)	18.2		µg/kg wet		20.0		91	70-130	3	25
Dibromomethane	19.1		µg/kg wet		20.0		96	70-130	5	25
1,2-Dichlorobenzene	18.0		µg/kg wet		20.0		90	70-130	3	25
1,3-Dichlorobenzene	19.5		µg/kg wet		20.0		97	70-130	8	25
1,4-Dichlorobenzene	18.3		µg/kg wet		20.0		91	70-130	1	25
Dichlorodifluoromethane (Freon12)	15.3		µg/kg wet		20.0		77	32-158	2	50
1,1-Dichloroethane	16.0		µg/kg wet		20.0		80	70-130	7	25
1,2-Dichloroethane	18.8		µg/kg wet		20.0		94	70-130	3	25
1,1-Dichloroethene	16.0		µg/kg wet		20.0		80	70-130	0.7	25

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8121920 - SW846 5030 Soil (high level)										
LCS Dup (8121920-BSD1)										
Prepared & Analyzed: 26-Dec-08										
cis-1,2-Dichloroethene	15.7		µg/kg wet		20.0		78	70-130	1	25
trans-1,2-Dichloroethene	16.9		µg/kg wet		20.0		85	70-130	2	25
1,2-Dichloropropane	19.1		µg/kg wet		20.0		95	70-130	4	25
1,3-Dichloropropane	19.9		µg/kg wet		20.0		100	70-130	8	25
2,2-Dichloropropane	16.1		µg/kg wet		20.0		80	70-130	1	25
1,1-Dichloropropene	19.6		µg/kg wet		20.0		98	70-130	3	25
cis-1,3-Dichloropropene	16.7		µg/kg wet		20.0		83	70-130	5	25
trans-1,3-Dichloropropene	15.7		µg/kg wet		20.0		78	70-130	4	25
Ethylbenzene	19.3		µg/kg wet		20.0		96	70-130	7	25
Hexachlorobutadiene	20.1		µg/kg wet		20.0		100	53.6-138	3	50
2-Hexanone (MBK)	17.9		µg/kg wet		20.0		89	70-130	7	25
Isopropylbenzene	21.1		µg/kg wet		20.0		106	70-130	6	25
4-Isopropyltoluene	18.0		µg/kg wet		20.0		90	70-130	3	25
Methyl tert-butyl ether	17.7		µg/kg wet		20.0		89	70-130	4	25
4-Methyl-2-pentanone (MIBK)	18.2		µg/kg wet		20.0		91	53.5-137	6	50
Methylene chloride	15.7		µg/kg wet		20.0		78	70-130	5	25
Naphthalene	16.5		µg/kg wet		20.0		83	70-130	2	25
n-Propylbenzene	19.8		µg/kg wet		20.0		99	70-130	5	25
Styrene	19.0		µg/kg wet		20.0		95	70-130	9	25
1,1,1,2-Tetrachloroethane	16.5		µg/kg wet		20.0		82	70-130	3	25
1,1,2,2-Tetrachloroethane	19.5		µg/kg wet		20.0		97	70-130	2	25
Tetrachloroethene	19.5		µg/kg wet		20.0		98	70-130	6	25
Toluene	19.4		µg/kg wet		20.0		97	70-130	1	25
1,2,3-Trichlorobenzene	19.0		µg/kg wet		20.0		95	70-130	3	25
1,2,4-Trichlorobenzene	18.6		µg/kg wet		20.0		93	70-130	4	25
1,3,5-Trichlorobenzene	19.2		µg/kg wet		20.0		96	70-130	6	25
1,1,1-Trichloroethane	17.8		µg/kg wet		20.0		89	70-130	1	25
1,1,2-Trichloroethane	18.9		µg/kg wet		20.0		94	70-130	1	25
Trichloroethene	18.8		µg/kg wet		20.0		94	70-130	5	25
Trichlorofluoromethane (Freon 11)	17.3		µg/kg wet		20.0		86	50.9-138	4	50
1,2,3-Trichloropropane	17.9		µg/kg wet		20.0		89	70-130	2	25
1,2,4-Trimethylbenzene	19.1		µg/kg wet		20.0		95	70-130	7	25
1,3,5-Trimethylbenzene	19.7		µg/kg wet		20.0		98	70-130	6	25
Vinyl chloride	14.8		µg/kg wet		20.0		74	70-130	2	25
m,p-Xylene	39.4		µg/kg wet		40.0		98	70-130	5	25
o-Xylene	19.4		µg/kg wet		20.0		97	70-130	6	25
Tetrahydrofuran	19.9		µg/kg wet		20.0		99	70-130	6	25
Ethyl ether	16.5		µg/kg wet		20.0		82	61.4-130	5	50
Tert-amyl methyl ether	18.0		µg/kg wet		20.0		90	70-130	8	25
Ethyl tert-butyl ether	20.8		µg/kg wet		20.0		104	70-130	6	25
Di-isopropyl ether	17.8		µg/kg wet		20.0		89	70-130	8	25
Tert-Butanol / butyl alcohol	168		µg/kg wet		200		84	70-130	5	25
1,4-Dioxane	148		µg/kg wet		200		74	48.3-142	11	25
trans-1,4-Dichloro-2-butene	16.0		µg/kg wet		20.0		80	70-130	5	25
Ethanol	281		µg/kg wet		400		70	70-130	11	30
Surrogate: 4-Bromofluorobenzene	*31.6*		µg/kg wet		*30.0*		*105*	*70-130*		
Surrogate: Toluene-d8	*30.0*		µg/kg wet		*30.0*		*100*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*29.8*		µg/kg wet		*30.0*		*99*	*70-130*		
Surrogate: Dibromofluoromethane	*30.4*		µg/kg wet		*30.0*		*101*	*70-130*		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8121920 - SW846 5030 Soil (high level)										
Matrix Spike (8121920-MS1) **Source: SA89183-04**										
Prepared: 26-Dec-08 Analyzed: 27-Dec-08										
Benzene	21.0		µg/kg dry		20.0	BRL	105	70-130		
Chlorobenzene	22.0		µg/kg dry		20.0	BRL	110	70-130		
1,1-Dichloroethene	17.1		µg/kg dry		20.0	BRL	86	70-130		
Toluene	22.1		µg/kg dry		20.0	BRL	111	70-130		
Trichloroethene	20.8		µg/kg dry		20.0	BRL	104	70-130		
Surrogate: 4-Bromofluorobenzene	*32.0*		µg/kg dry		*30.0*		*107*	*70-130*		
Surrogate: Toluene-d8	*30.9*		µg/kg dry		*30.0*		*103*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*30.8*		µg/kg dry		*30.0*		*103*	*70-130*		
Surrogate: Dibromofluoromethane	*31.3*		µg/kg dry		*30.0*		*104*	*70-130*		
Matrix Spike Dup (8121920-MSD1) **Source: SA89183-04**										
Prepared: 26-Dec-08 Analyzed: 27-Dec-08										
Benzene	20.7		µg/kg dry		20.0	BRL	104	70-130	1	30
Chlorobenzene	21.7		µg/kg dry		20.0	BRL	108	70-130	2	30
1,1-Dichloroethene	17.3		µg/kg dry		20.0	BRL	86	70-130	0.9	30
Toluene	20.9		µg/kg dry		20.0	BRL	105	70-130	6	30
Trichloroethene	20.0		µg/kg dry		20.0	BRL	100	70-130	4	30
Surrogate: 4-Bromofluorobenzene	*31.5*		µg/kg dry		*30.0*		*105*	*70-130*		
Surrogate: Toluene-d8	*29.7*		µg/kg dry		*30.0*		*99*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*29.8*		µg/kg dry		*30.0*		*99*	*70-130*		
Surrogate: Dibromofluoromethane	*30.4*		µg/kg dry		*30.0*		*101*	*70-130*		
Batch 8121954 - SW846 5030 Soil (high level)										
Blank (8121954-BLK1)										
Prepared & Analyzed: 29-Dec-08										
1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg wet	1.0						
Acetone	BRL		µg/kg wet	10.0						
Acrylonitrile	BRL		µg/kg wet	1.0						
Benzene	BRL		µg/kg wet	1.0						
Bromobenzene	BRL		µg/kg wet	1.0						
Bromochloromethane	BRL		µg/kg wet	1.0						
Bromodichloromethane	BRL		µg/kg wet	1.0						
Bromoform	BRL		µg/kg wet	1.0						
Bromomethane	BRL		µg/kg wet	2.0						
2-Butanone (MEK)	BRL		µg/kg wet	10.0						
n-Butylbenzene	BRL		µg/kg wet	1.0						
sec-Butylbenzene	BRL		µg/kg wet	1.0						
tert-Butylbenzene	BRL		µg/kg wet	1.0						
Carbon disulfide	BRL		µg/kg wet	5.0						
Carbon tetrachloride	BRL		µg/kg wet	1.0						
Chlorobenzene	BRL		µg/kg wet	1.0						
Chloroethane	BRL		µg/kg wet	2.0						
Chloroform	BRL		µg/kg wet	1.0						
Chloromethane	BRL		µg/kg wet	2.0						
2-Chlorotoluene	BRL		µg/kg wet	1.0						
4-Chlorotoluene	BRL		µg/kg wet	1.0						
1,2-Dibromo-3-chloropropane	BRL		µg/kg wet	2.0						
Dibromochloromethane	BRL		µg/kg wet	1.0						
1,2-Dibromoethane (EDB)	BRL		µg/kg wet	1.0						
Dibromomethane	BRL		µg/kg wet	1.0						
1,2-Dichlorobenzene	BRL		µg/kg wet	1.0						
1,3-Dichlorobenzene	BRL		µg/kg wet	1.0						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8121954 - SW846 5030 Soil (high level)										
Blank (8121954-BLK1)										
Prepared & Analyzed: 29-Dec-08										
1,4-Dichlorobenzene	BRL		µg/kg wet	1.0						
Dichlorodifluoromethane (Freon12)	BRL		µg/kg wet	2.0						
1,1-Dichloroethane	BRL		µg/kg wet	1.0						
1,2-Dichloroethane	BRL		µg/kg wet	1.0						
1,1-Dichloroethene	BRL		µg/kg wet	1.0						
cis-1,2-Dichloroethene	BRL		µg/kg wet	1.0						
trans-1,2-Dichloroethene	BRL		µg/kg wet	1.0						
1,2-Dichloropropane	BRL		µg/kg wet	1.0						
1,3-Dichloropropane	BRL		µg/kg wet	1.0						
2,2-Dichloropropane	BRL		µg/kg wet	1.0						
1,1-Dichloropropene	BRL		µg/kg wet	1.0						
cis-1,3-Dichloropropene	BRL		µg/kg wet	1.0						
trans-1,3-Dichloropropene	BRL		µg/kg wet	1.0						
Ethylbenzene	BRL		µg/kg wet	1.0						
Hexachlorobutadiene	BRL		µg/kg wet	1.0						
2-Hexanone (MBK)	BRL		µg/kg wet	10.0						
Isopropylbenzene	BRL		µg/kg wet	1.0						
4-Isopropyltoluene	BRL		µg/kg wet	1.0						
Methyl tert-butyl ether	BRL		µg/kg wet	1.0						
4-Methyl-2-pentanone (MIBK)	BRL		µg/kg wet	10.0						
Methylene chloride	BRL		µg/kg wet	10.0						
Naphthalene	BRL		µg/kg wet	1.0						
n-Propylbenzene	BRL		µg/kg wet	1.0						
Styrene	BRL		µg/kg wet	1.0						
1,1,1,2-Tetrachloroethane	BRL		µg/kg wet	1.0						
1,1,2,2-Tetrachloroethane	BRL		µg/kg wet	1.0						
Tetrachloroethene	BRL		µg/kg wet	1.0						
Toluene	BRL		µg/kg wet	1.0						
1,2,3-Trichlorobenzene	BRL		µg/kg wet	1.0						
1,2,4-Trichlorobenzene	BRL		µg/kg wet	1.0						
1,3,5-Trichlorobenzene	BRL		µg/kg wet	1.0						
1,1,1-Trichloroethane	BRL		µg/kg wet	1.0						
1,1,2-Trichloroethane	BRL		µg/kg wet	1.0						
Trichloroethene	BRL		µg/kg wet	1.0						
Trichlorofluoromethane (Freon 11)	BRL		µg/kg wet	1.0						
1,2,3-Trichloropropane	BRL		µg/kg wet	1.0						
1,2,4-Trimethylbenzene	BRL		µg/kg wet	1.0						
1,3,5-Trimethylbenzene	BRL		µg/kg wet	1.0						
Vinyl chloride	BRL		µg/kg wet	1.0						
m,p-Xylene	BRL		µg/kg wet	2.0						
o-Xylene	BRL		µg/kg wet	1.0						
Tetrahydrofuran	BRL		µg/kg wet	10.0						
Ethyl ether	BRL		µg/kg wet	1.0						
Tert-amyl methyl ether	BRL		µg/kg wet	1.0						
Ethyl tert-butyl ether	BRL		µg/kg wet	1.0						
Di-isopropyl ether	BRL		µg/kg wet	1.0						
Tert-Butanol / butyl alcohol	BRL		µg/kg wet	10.0						
1,4-Dioxane	BRL		µg/kg wet	20.0						
trans-1,4-Dichloro-2-butene	BRL		µg/kg wet	5.0						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8121954 - SW846 5030 Soil (high level)										
Blank (8121954-BLK1)										
Prepared & Analyzed: 29-Dec-08										
Ethanol	BRL		µg/kg wet	400						
Surrogate: 4-Bromofluorobenzene	*30.9*		µg/kg wet		*30.0*		*103*	*70-130*		
Surrogate: Toluene-d8	*30.2*		µg/kg wet		*30.0*		*101*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*28.8*		µg/kg wet		*30.0*		*96*	*70-130*		
Surrogate: Dibromofluoromethane	*31.0*		µg/kg wet		*30.0*		*104*	*70-130*		
LCS (8121954-BS1)										
Prepared & Analyzed: 29-Dec-08										
1,1,2-Trichlorotrifluoroethane (Freon 113)	16.3		µg/kg wet		20.0		82	70-130		
Acetone	17.5		µg/kg wet		20.0		88	0-168		
Acrylonitrile	15.0		µg/kg wet		20.0		75	70-130		
Benzene	20.8		µg/kg wet		20.0		104	70-130		
Bromobenzene	21.7		µg/kg wet		20.0		108	70-130		
Bromochloromethane	21.3		µg/kg wet		20.0		106	70-130		
Bromodichloromethane	20.5		µg/kg wet		20.0		102	70-130		
Bromoform	21.2		µg/kg wet		20.0		106	70-130		
Bromomethane	18.1		µg/kg wet		20.0		91	40.9-138		
2-Butanone (MEK)	16.1		µg/kg wet		20.0		81	29.8-145		
n-Butylbenzene	19.8		µg/kg wet		20.0		99	70-130		
sec-Butylbenzene	22.4		µg/kg wet		20.0		112	70-130		
tert-Butylbenzene	22.3		µg/kg wet		20.0		111	70-130		
Carbon disulfide	15.8		µg/kg wet		20.0		79	70-130		
Carbon tetrachloride	22.2		µg/kg wet		20.0		111	70-130		
Chlorobenzene	22.0		µg/kg wet		20.0		110	70-130		
Chloroethane	18.0		µg/kg wet		20.0		90	47.5-130		
Chloroform	19.0		µg/kg wet		20.0		95	70-130		
Chloromethane	15.7		µg/kg wet		20.0		78	70-130		
2-Chlorotoluene	20.2		µg/kg wet		20.0		101	70-130		
4-Chlorotoluene	21.2		µg/kg wet		20.0		106	70-130		
1,2-Dibromo-3-chloropropane	20.1		µg/kg wet		20.0		100	70-130		
Dibromochloromethane	20.1		µg/kg wet		20.0		100	66.2-130		
1,2-Dibromoethane (EDB)	20.2		µg/kg wet		20.0		101	70-130		
Dibromomethane	19.8		µg/kg wet		20.0		99	70-130		
1,2-Dichlorobenzene	19.3		µg/kg wet		20.0		96	70-130		
1,3-Dichlorobenzene	21.0		µg/kg wet		20.0		105	70-130		
1,4-Dichlorobenzene	19.7		µg/kg wet		20.0		99	70-130		
Dichlorodifluoromethane (Freon12)	16.3		µg/kg wet		20.0		81	32-158		
1,1-Dichloroethane	16.6		µg/kg wet		20.0		83	70-130		
1,2-Dichloroethane	19.4		µg/kg wet		20.0		97	70-130		
1,1-Dichloroethene	17.8		µg/kg wet		20.0		89	70-130		
cis-1,2-Dichloroethene	16.6		µg/kg wet		20.0		83	70-130		
trans-1,2-Dichloroethene	18.4		µg/kg wet		20.0		92	70-130		
1,2-Dichloropropane	21.4		µg/kg wet		20.0		107	70-130		
1,3-Dichloropropane	20.5		µg/kg wet		20.0		102	70-130		
2,2-Dichloropropane	20.0		µg/kg wet		20.0		100	70-130		
1,1-Dichloropropene	21.4		µg/kg wet		20.0		107	70-130		
cis-1,3-Dichloropropene	20.6		µg/kg wet		20.0		103	70-130		
trans-1,3-Dichloropropene	19.1		µg/kg wet		20.0		95	70-130		
Ethylbenzene	21.8		µg/kg wet		20.0		109	70-130		
Hexachlorobutadiene	21.8		µg/kg wet		20.0		109	53.6-138		
2-Hexanone (MBK)	18.1		µg/kg wet		20.0		90	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8121954 - SW846 5030 Soil (high level)										
LCS (8121954-BS1)										
Prepared & Analyzed: 29-Dec-08										
Isopropylbenzene	23.2		µg/kg wet		20.0		116	70-130		
4-Isopropyltoluene	19.8		µg/kg wet		20.0		99	70-130		
Methyl tert-butyl ether	17.7		µg/kg wet		20.0		88	70-130		
4-Methyl-2-pentanone (MIBK)	19.1		µg/kg wet		20.0		96	53.5-137		
Methylene chloride	15.8		µg/kg wet		20.0		79	70-130		
Naphthalene	18.0		µg/kg wet		20.0		90	70-130		
n-Propylbenzene	22.4		µg/kg wet		20.0		112	70-130		
Styrene	21.2		µg/kg wet		20.0		106	70-130		
1,1,1,2-Tetrachloroethane	22.3		µg/kg wet		20.0		111	70-130		
1,1,2,2-Tetrachloroethane	21.7		µg/kg wet		20.0		108	70-130		
Tetrachloroethene	21.7		µg/kg wet		20.0		108	70-130		
Toluene	21.5		µg/kg wet		20.0		107	70-130		
1,2,3-Trichlorobenzene	20.5		µg/kg wet		20.0		102	70-130		
1,2,4-Trichlorobenzene	20.9		µg/kg wet		20.0		104	70-130		
1,3,5-Trichlorobenzene	21.0		µg/kg wet		20.0		105	70-130		
1,1,1-Trichloroethane	21.4		µg/kg wet		20.0		107	70-130		
1,1,2-Trichloroethane	20.0		µg/kg wet		20.0		100	70-130		
Trichloroethene	20.7		µg/kg wet		20.0		103	70-130		
Trichlorofluoromethane (Freon 11)	19.5		µg/kg wet		20.0		97	50.9-138		
1,2,3-Trichloropropane	19.4		µg/kg wet		20.0		97	70-130		
1,2,4-Trimethylbenzene	21.1		µg/kg wet		20.0		106	70-130		
1,3,5-Trimethylbenzene	21.6		µg/kg wet		20.0		108	70-130		
Vinyl chloride	17.0		µg/kg wet		20.0		85	70-130		
m,p-Xylene	43.4		µg/kg wet		40.0		108	70-130		
o-Xylene	21.3		µg/kg wet		20.0		107	70-130		
Tetrahydrofuran	19.6		µg/kg wet		20.0		98	70-130		
Ethyl ether	17.0		µg/kg wet		20.0		85	61.4-130		
Tert-amyl methyl ether	18.9		µg/kg wet		20.0		95	70-130		
Ethyl tert-butyl ether	20.3		µg/kg wet		20.0		102	70-130		
Di-isopropyl ether	18.0		µg/kg wet		20.0		90	70-130		
Tert-Butanol / butyl alcohol	168		µg/kg wet		200		84	70-130		
1,4-Dioxane	174		µg/kg wet		200		87	48.3-142		
trans-1,4-Dichloro-2-butene	20.2		µg/kg wet		20.0		101	70-130		
Ethanol	281		µg/kg wet		400		70	70-130		
Surrogate: 4-Bromofluorobenzene	*30.8*		µg/kg wet		*30.0*		*103*	*70-130*		
Surrogate: Toluene-d8	*30.2*		µg/kg wet		*30.0*		*101*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*29.0*		µg/kg wet		*30.0*		*97*	*70-130*		
Surrogate: Dibromofluoromethane	*31.3*		µg/kg wet		*30.0*		*104*	*70-130*		
LCS Dup (8121954-BSD1)										
Prepared & Analyzed: 29-Dec-08										
1,1,2-Trichlorotrifluoroethane (Freon 113)	17.0		µg/kg wet		20.0		85	70-130	4	25
Acetone	19.3		µg/kg wet		20.0		96	0-168	10	50
Acrylonitrile	14.9		µg/kg wet		20.0		75	70-130	0.2	25
Benzene	21.1		µg/kg wet		20.0		105	70-130	1	25
Bromobenzene	22.9		µg/kg wet		20.0		114	70-130	5	25
Bromochloromethane	21.0		µg/kg wet		20.0		105	70-130	2	25
Bromodichloromethane	20.5		µg/kg wet		20.0		103	70-130	0.1	25
Bromoform	21.6		µg/kg wet		20.0		108	70-130	2	25
Bromomethane	17.7		µg/kg wet		20.0		89	40.9-138	2	50
2-Butanone (MEK)	17.0		µg/kg wet		20.0		85	29.8-145	6	50

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8121954 - SW846 5030 Soil (high level)										
LCS Dup (8121954-BSD1)										
Prepared & Analyzed: 29-Dec-08										
n-Butylbenzene	19.6		µg/kg wet		20.0		98	70-130	0.6	25
sec-Butylbenzene	23.0		µg/kg wet		20.0		115	70-130	3	25
tert-Butylbenzene	22.8		µg/kg wet		20.0		114	70-130	2	25
Carbon disulfide	15.2		µg/kg wet		20.0		76	70-130	4	25
Carbon tetrachloride	22.3		µg/kg wet		20.0		112	70-130	0.6	25
Chlorobenzene	23.0		µg/kg wet		20.0		115	70-130	4	25
Chloroethane	17.5		µg/kg wet		20.0		88	47.5-130	3	50
Chloroform	19.2		µg/kg wet		20.0		96	70-130	0.6	25
Chloromethane	15.2		µg/kg wet		20.0		76	70-130	3	25
2-Chlorotoluene	20.6		µg/kg wet		20.0		103	70-130	2	25
4-Chlorotoluene	21.6		µg/kg wet		20.0		108	70-130	2	25
1,2-Dibromo-3-chloropropane	19.9		µg/kg wet		20.0		100	70-130	0.9	25
Dibromochloromethane	20.4		µg/kg wet		20.0		102	66.2-130	2	50
1,2-Dibromoethane (EDB)	20.5		µg/kg wet		20.0		103	70-130	2	25
Dibromomethane	20.5		µg/kg wet		20.0		103	70-130	3	25
1,2-Dichlorobenzene	19.7		µg/kg wet		20.0		98	70-130	2	25
1,3-Dichlorobenzene	21.8		µg/kg wet		20.0		109	70-130	4	25
1,4-Dichlorobenzene	20.2		µg/kg wet		20.0		101	70-130	2	25
Dichlorodifluoromethane (Freon12)	15.5		µg/kg wet		20.0		77	32-158	5	50
1,1-Dichloroethane	16.4		µg/kg wet		20.0		82	70-130	1	25
1,2-Dichloroethane	19.4		µg/kg wet		20.0		97	70-130	0.2	25
1,1-Dichloroethene	17.4		µg/kg wet		20.0		87	70-130	2	25
cis-1,2-Dichloroethene	16.5		µg/kg wet		20.0		83	70-130	0.5	25
trans-1,2-Dichloroethene	18.1		µg/kg wet		20.0		91	70-130	2	25
1,2-Dichloropropane	20.6		µg/kg wet		20.0		103	70-130	4	25
1,3-Dichloropropane	20.4		µg/kg wet		20.0		102	70-130	0.3	25
2,2-Dichloropropane	18.7		µg/kg wet		20.0		94	70-130	7	25
1,1-Dichloropropene	20.8		µg/kg wet		20.0		104	70-130	3	25
cis-1,3-Dichloropropene	20.1		µg/kg wet		20.0		100	70-130	3	25
trans-1,3-Dichloropropene	18.8		µg/kg wet		20.0		94	70-130	1	25
Ethylbenzene	22.1		µg/kg wet		20.0		111	70-130	2	25
Hexachlorobutadiene	23.8		µg/kg wet		20.0		119	53.6-138	9	50
2-Hexanone (MBK)	17.8		µg/kg wet		20.0		89	70-130	2	25
Isopropylbenzene	23.6		µg/kg wet		20.0		118	70-130	2	25
4-Isopropyltoluene	20.2		µg/kg wet		20.0		101	70-130	2	25
Methyl tert-butyl ether	17.8		µg/kg wet		20.0		89	70-130	1	25
4-Methyl-2-pentanone (MIBK)	19.2		µg/kg wet		20.0		96	53.5-137	0.5	50
Methylene chloride	16.2		µg/kg wet		20.0		81	70-130	2	25
Naphthalene	19.0		µg/kg wet		20.0		95	70-130	5	25
n-Propylbenzene	22.6		µg/kg wet		20.0		113	70-130	0.9	25
Styrene	21.4		µg/kg wet		20.0		107	70-130	1	25
1,1,1,2-Tetrachloroethane	23.0		µg/kg wet		20.0		115	70-130	3	25
1,1,2,2-Tetrachloroethane	22.1		µg/kg wet		20.0		111	70-130	2	25
Tetrachloroethene	21.4		µg/kg wet		20.0		107	70-130	2	25
Toluene	21.0		µg/kg wet		20.0		105	70-130	2	25
1,2,3-Trichlorobenzene	22.0		µg/kg wet		20.0		110	70-130	7	25
1,2,4-Trichlorobenzene	21.6		µg/kg wet		20.0		108	70-130	3	25
1,3,5-Trichlorobenzene	22.1		µg/kg wet		20.0		110	70-130	5	25
1,1,1-Trichloroethane	21.0		µg/kg wet		20.0		105	70-130	2	25

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8121954 - SW846 5030 Soil (high level)										
LCS Dup (8121954-BSD1)										
Prepared & Analyzed: 29-Dec-08										
1,1,2-Trichloroethane	19.7		µg/kg wet		20.0		99	70-130	1	25
Trichloroethene	20.2		µg/kg wet		20.0		101	70-130	3	25
Trichlorofluoromethane (Freon 11)	19.2		µg/kg wet		20.0		96	50.9-138	1	50
1,2,3-Trichloropropane	19.7		µg/kg wet		20.0		98	70-130	1	25
1,2,4-Trimethylbenzene	21.8		µg/kg wet		20.0		109	70-130	3	25
1,3,5-Trimethylbenzene	22.2		µg/kg wet		20.0		111	70-130	2	25
Vinyl chloride	16.0		µg/kg wet		20.0		80	70-130	6	25
m,p-Xylene	44.7		µg/kg wet		40.0		112	70-130	3	25
o-Xylene	21.8		µg/kg wet		20.0		109	70-130	2	25
Tetrahydrofuran	19.4		µg/kg wet		20.0		97	70-130	0.9	25
Ethyl ether	16.5		µg/kg wet		20.0		82	61.4-130	3	50
Tert-amyl methyl ether	19.1		µg/kg wet		20.0		95	70-130	0.8	25
Ethyl tert-butyl ether	19.9		µg/kg wet		20.0		99	70-130	2	25
Di-isopropyl ether	17.7		µg/kg wet		20.0		88	70-130	2	25
Tert-Butanol / butyl alcohol	179		µg/kg wet		200		90	70-130	6	25
1,4-Dioxane	200		µg/kg wet		200		100	48.3-142	14	25
trans-1,4-Dichloro-2-butene	20.1		µg/kg wet		20.0		101	70-130	0.1	25
Ethanol	296		µg/kg wet		400		74	70-130	5	30
Surrogate: 4-Bromofluorobenzene	*30.9*		µg/kg wet		*30.0*		*103*	*70-130*		
Surrogate: Toluene-d8	*30.0*		µg/kg wet		*30.0*		*100*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*28.5*		µg/kg wet		*30.0*		*95*	*70-130*		
Surrogate: Dibromofluoromethane	*32.1*		µg/kg wet		*30.0*		*107*	*70-130*		
Matrix Spike (8121954-MS1) **Source: SA89083-01**										
Prepared & Analyzed: 29-Dec-08										
Benzene	22.1		µg/kg wet		20.0	BRL	110	70-130		
Chlorobenzene	23.4		µg/kg wet		20.0	BRL	117	70-130		
1,1-Dichloroethene	18.4		µg/kg wet		20.0	BRL	92	70-130		
Toluene	22.5		µg/kg wet		20.0	BRL	113	70-130		
Trichloroethene	22.5		µg/kg wet		20.0	1.4	106	70-130		
Surrogate: 4-Bromofluorobenzene	*31.4*		µg/kg wet		*30.0*		*105*	*70-130*		
Surrogate: Toluene-d8	*30.1*		µg/kg wet		*30.0*		*100*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*28.2*		µg/kg wet		*30.0*		*94*	*70-130*		
Surrogate: Dibromofluoromethane	*29.5*		µg/kg wet		*30.0*		*98*	*70-130*		
Matrix Spike Dup (8121954-MSD1) **Source: SA89083-01**										
Prepared & Analyzed: 29-Dec-08										
Benzene	22.0		µg/kg wet		20.0	BRL	110	70-130	0.5	30
Chlorobenzene	23.7		µg/kg wet		20.0	BRL	118	70-130	1	30
1,1-Dichloroethene	18.2		µg/kg wet		20.0	BRL	91	70-130	1	30
Toluene	22.5		µg/kg wet		20.0	BRL	113	70-130	0.04	30
Trichloroethene	22.8		µg/kg wet		20.0	1.4	107	70-130	1	30
Surrogate: 4-Bromofluorobenzene	*32.8*		µg/kg wet		*30.0*		*109*	*70-130*		
Surrogate: Toluene-d8	*29.9*		µg/kg wet		*30.0*		*100*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*28.1*		µg/kg wet		*30.0*		*94*	*70-130*		
Surrogate: Dibromofluoromethane	*29.5*		µg/kg wet		*30.0*		*98*	*70-130*		
Batch 8122049 - SW846 5030 Soil (high level)										
Blank (8122049-BLK1)										
Prepared & Analyzed: 30-Dec-08										
1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg wet	1.0						
Acetone	BRL		µg/kg wet	10.0						
Acrylonitrile	BRL		µg/kg wet	1.0						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8122049 - SW846 5030 Soil (high level)										
Blank (8122049-BLK1)										
Prepared & Analyzed: 30-Dec-08										
Benzene	BRL		µg/kg wet	1.0						
Bromobenzene	BRL		µg/kg wet	1.0						
Bromochloromethane	BRL		µg/kg wet	1.0						
Bromodichloromethane	BRL		µg/kg wet	1.0						
Bromoform	BRL		µg/kg wet	1.0						
Bromomethane	BRL		µg/kg wet	2.0						
2-Butanone (MEK)	BRL		µg/kg wet	10.0						
n-Butylbenzene	BRL		µg/kg wet	1.0						
sec-Butylbenzene	BRL		µg/kg wet	1.0						
tert-Butylbenzene	BRL		µg/kg wet	1.0						
Carbon disulfide	BRL		µg/kg wet	5.0						
Carbon tetrachloride	BRL		µg/kg wet	1.0						
Chlorobenzene	BRL		µg/kg wet	1.0						
Chloroethane	BRL		µg/kg wet	2.0						
Chloroform	BRL		µg/kg wet	1.0						
Chloromethane	BRL		µg/kg wet	2.0						
2-Chlorotoluene	BRL		µg/kg wet	1.0						
4-Chlorotoluene	BRL		µg/kg wet	1.0						
1,2-Dibromo-3-chloropropane	BRL		µg/kg wet	2.0						
Dibromochloromethane	BRL		µg/kg wet	1.0						
1,2-Dibromoethane (EDB)	BRL		µg/kg wet	1.0						
Dibromomethane	BRL		µg/kg wet	1.0						
1,2-Dichlorobenzene	BRL		µg/kg wet	1.0						
1,3-Dichlorobenzene	BRL		µg/kg wet	1.0						
1,4-Dichlorobenzene	BRL		µg/kg wet	1.0						
Dichlorodifluoromethane (Freon12)	BRL		µg/kg wet	2.0						
1,1-Dichloroethane	BRL		µg/kg wet	1.0						
1,2-Dichloroethane	BRL		µg/kg wet	1.0						
1,1-Dichloroethene	BRL		µg/kg wet	1.0						
cis-1,2-Dichloroethene	BRL		µg/kg wet	1.0						
trans-1,2-Dichloroethene	BRL		µg/kg wet	1.0						
1,2-Dichloropropane	BRL		µg/kg wet	1.0						
1,3-Dichloropropane	BRL		µg/kg wet	1.0						
2,2-Dichloropropane	BRL		µg/kg wet	1.0						
1,1-Dichloropropene	BRL		µg/kg wet	1.0						
cis-1,3-Dichloropropene	BRL		µg/kg wet	1.0						
trans-1,3-Dichloropropene	BRL		µg/kg wet	1.0						
Ethylbenzene	BRL		µg/kg wet	1.0						
Hexachlorobutadiene	BRL		µg/kg wet	1.0						
2-Hexanone (MBK)	BRL		µg/kg wet	10.0						
Isopropylbenzene	BRL		µg/kg wet	1.0						
4-Isopropyltoluene	BRL		µg/kg wet	1.0						
Methyl tert-butyl ether	BRL		µg/kg wet	1.0						
4-Methyl-2-pentanone (MIBK)	BRL		µg/kg wet	10.0						
Methylene chloride	BRL		µg/kg wet	10.0						
Naphthalene	BRL		µg/kg wet	1.0						
n-Propylbenzene	BRL		µg/kg wet	1.0						
Styrene	BRL		µg/kg wet	1.0						
1,1,1,2-Tetrachloroethane	BRL		µg/kg wet	1.0						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8122049 - SW846 5030 Soil (high level)										
Blank (8122049-BLK1)										
Prepared & Analyzed: 30-Dec-08										
1,1,2,2-Tetrachloroethane	BRL		µg/kg wet	1.0						
Tetrachloroethene	BRL		µg/kg wet	1.0						
Toluene	BRL		µg/kg wet	1.0						
1,2,3-Trichlorobenzene	BRL		µg/kg wet	1.0						
1,2,4-Trichlorobenzene	BRL		µg/kg wet	1.0						
1,3,5-Trichlorobenzene	BRL		µg/kg wet	1.0						
1,1,1-Trichloroethane	BRL		µg/kg wet	1.0						
1,1,2-Trichloroethane	BRL		µg/kg wet	1.0						
Trichloroethene	BRL		µg/kg wet	1.0						
Trichlorofluoromethane (Freon 11)	BRL		µg/kg wet	1.0						
1,2,3-Trichloropropane	BRL		µg/kg wet	1.0						
1,2,4-Trimethylbenzene	BRL		µg/kg wet	1.0						
1,3,5-Trimethylbenzene	BRL		µg/kg wet	1.0						
Vinyl chloride	BRL		µg/kg wet	1.0						
m,p-Xylene	BRL		µg/kg wet	2.0						
o-Xylene	BRL		µg/kg wet	1.0						
Tetrahydrofuran	BRL		µg/kg wet	10.0						
Ethyl ether	BRL		µg/kg wet	1.0						
Tert-amyl methyl ether	BRL		µg/kg wet	1.0						
Ethyl tert-butyl ether	BRL		µg/kg wet	1.0						
Di-isopropyl ether	BRL		µg/kg wet	1.0						
Tert-Butanol / butyl alcohol	BRL		µg/kg wet	10.0						
1,4-Dioxane	BRL		µg/kg wet	20.0						
trans-1,4-Dichloro-2-butene	BRL		µg/kg wet	5.0						
Ethanol	BRL		µg/kg wet	400						
Surrogate: 4-Bromofluorobenzene	*31.0*		µg/kg wet		*30.0*		*103*	*70-130*		
Surrogate: Toluene-d8	*30.2*		µg/kg wet		*30.0*		*101*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*28.9*		µg/kg wet		*30.0*		*96*	*70-130*		
Surrogate: Dibromofluoromethane	*30.4*		µg/kg wet		*30.0*		*101*	*70-130*		
LCS (8122049-BS1)										
Prepared & Analyzed: 30-Dec-08										
1,1,2-Trichlorotrifluoroethane (Freon 113)	15.8		µg/kg wet		20.0		79	70-130		
Acetone	17.8		µg/kg wet		20.0		89	0-168		
Acrylonitrile	14.6		µg/kg wet		20.0		73	70-130		
Benzene	20.1		µg/kg wet		20.0		101	70-130		
Bromobenzene	22.8		µg/kg wet		20.0		114	70-130		
Bromochloromethane	21.4		µg/kg wet		20.0		107	70-130		
Bromodichloromethane	18.8		µg/kg wet		20.0		94	70-130		
Bromoform	19.4		µg/kg wet		20.0		97	70-130		
Bromomethane	16.8		µg/kg wet		20.0		84	40.9-138		
2-Butanone (MEK)	15.4		µg/kg wet		20.0		77	29.8-145		
n-Butylbenzene	17.9		µg/kg wet		20.0		90	70-130		
sec-Butylbenzene	22.3		µg/kg wet		20.0		111	70-130		
tert-Butylbenzene	22.7		µg/kg wet		20.0		114	70-130		
Carbon disulfide	13.4	QC2	µg/kg wet		20.0		67	70-130		
Carbon tetrachloride	20.0		µg/kg wet		20.0		100	70-130		
Chlorobenzene	22.4		µg/kg wet		20.0		112	70-130		
Chloroethane	16.0		µg/kg wet		20.0		80	47.5-130		
Chloroform	18.1		µg/kg wet		20.0		91	70-130		
Chloromethane	14.4		µg/kg wet		20.0		72	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8122049 - SW846 5030 Soil (high level)										
LCS (8122049-BS1)										
Prepared & Analyzed: 30-Dec-08										
2-Chlorotoluene	20.5		µg/kg wet		20.0		103	70-130		
4-Chlorotoluene	20.8		µg/kg wet		20.0		104	70-130		
1,2-Dibromo-3-chloropropane	17.9		µg/kg wet		20.0		89	70-130		
Dibromochloromethane	18.6		µg/kg wet		20.0		93	66.2-130		
1,2-Dibromoethane (EDB)	19.3		µg/kg wet		20.0		97	70-130		
Dibromomethane	20.5		µg/kg wet		20.0		102	70-130		
1,2-Dichlorobenzene	19.2		µg/kg wet		20.0		96	70-130		
1,3-Dichlorobenzene	21.7		µg/kg wet		20.0		109	70-130		
1,4-Dichlorobenzene	19.6		µg/kg wet		20.0		98	70-130		
Dichlorodifluoromethane (Freon12)	15.7		µg/kg wet		20.0		78	32-158		
1,1-Dichloroethane	15.2		µg/kg wet		20.0		76	70-130		
1,2-Dichloroethane	19.3		µg/kg wet		20.0		96	70-130		
1,1-Dichloroethene	16.7		µg/kg wet		20.0		84	70-130		
cis-1,2-Dichloroethene	15.2		µg/kg wet		20.0		76	70-130		
trans-1,2-Dichloroethene	17.8		µg/kg wet		20.0		89	70-130		
1,2-Dichloropropane	19.8		µg/kg wet		20.0		99	70-130		
1,3-Dichloropropane	19.9		µg/kg wet		20.0		99	70-130		
2,2-Dichloropropane	17.6		µg/kg wet		20.0		88	70-130		
1,1-Dichloropropene	20.3		µg/kg wet		20.0		102	70-130		
cis-1,3-Dichloropropene	18.3		µg/kg wet		20.0		91	70-130		
trans-1,3-Dichloropropene	17.5		µg/kg wet		20.0		88	70-130		
Ethylbenzene	21.4		µg/kg wet		20.0		107	70-130		
Hexachlorobutadiene	22.4		µg/kg wet		20.0		112	53.6-138		
2-Hexanone (MBK)	17.2		µg/kg wet		20.0		86	70-130		
Isopropylbenzene	23.3		µg/kg wet		20.0		116	70-130		
4-Isopropyltoluene	19.2		µg/kg wet		20.0		96	70-130		
Methyl tert-butyl ether	17.2		µg/kg wet		20.0		86	70-130		
4-Methyl-2-pentanone (MIBK)	19.4		µg/kg wet		20.0		97	53.5-137		
Methylene chloride	14.7		µg/kg wet		20.0		73	70-130		
Naphthalene	18.2		µg/kg wet		20.0		91	70-130		
n-Propylbenzene	21.9		µg/kg wet		20.0		110	70-130		
Styrene	21.5		µg/kg wet		20.0		107	70-130		
1,1,1,2-Tetrachloroethane	21.0		µg/kg wet		20.0		105	70-130		
1,1,2,2-Tetrachloroethane	21.6		µg/kg wet		20.0		108	70-130		
Tetrachloroethene	22.2		µg/kg wet		20.0		111	70-130		
Toluene	20.2		µg/kg wet		20.0		101	70-130		
1,2,3-Trichlorobenzene	21.4		µg/kg wet		20.0		107	70-130		
1,2,4-Trichlorobenzene	20.7		µg/kg wet		20.0		104	70-130		
1,3,5-Trichlorobenzene	21.4		µg/kg wet		20.0		107	70-130		
1,1,1-Trichloroethane	19.7		µg/kg wet		20.0		98	70-130		
1,1,2-Trichloroethane	19.6		µg/kg wet		20.0		98	70-130		
Trichloroethene	20.2		µg/kg wet		20.0		101	70-130		
Trichlorofluoromethane (Freon 11)	18.8		µg/kg wet		20.0		94	50.9-138		
1,2,3-Trichloropropane	19.3		µg/kg wet		20.0		97	70-130		
1,2,4-Trimethylbenzene	21.1		µg/kg wet		20.0		106	70-130		
1,3,5-Trimethylbenzene	21.7		µg/kg wet		20.0		109	70-130		
Vinyl chloride	15.2		µg/kg wet		20.0		76	70-130		
m,p-Xylene	43.0		µg/kg wet		40.0		107	70-130		
o-Xylene	21.6		µg/kg wet		20.0		108	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8122049 - SW846 5030 Soil (high level)										
LCS (8122049-BS1)										
Prepared & Analyzed: 30-Dec-08										
Tetrahydrofuran	21.0		µg/kg wet		20.0		105	70-130		
Ethyl ether	15.4		µg/kg wet		20.0		77	61.4-130		
Tert-amyl methyl ether	18.6		µg/kg wet		20.0		93	70-130		
Ethyl tert-butyl ether	19.6		µg/kg wet		20.0		98	70-130		
Di-isopropyl ether	16.2		µg/kg wet		20.0		81	70-130		
Tert-Butanol / butyl alcohol	168		µg/kg wet		200		84	70-130		
1,4-Dioxane	173		µg/kg wet		200		87	48.3-142		
trans-1,4-Dichloro-2-butene	18.9		µg/kg wet		20.0		94	70-130		
Ethanol	298		µg/kg wet		400		75	70-130		
Surrogate: 4-Bromofluorobenzene	*31.6*		µg/kg wet		*30.0*		*105*	*70-130*		
Surrogate: Toluene-d8	*30.0*		µg/kg wet		*30.0*		*100*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*29.3*		µg/kg wet		*30.0*		*98*	*70-130*		
Surrogate: Dibromofluoromethane	*31.7*		µg/kg wet		*30.0*		*106*	*70-130*		
LCS Dup (8122049-BSD1)										
Prepared & Analyzed: 30-Dec-08										
1,1,2-Trichlorotrifluoroethane (Freon 113)	16.0		µg/kg wet		20.0		80	70-130	1	25
Acetone	17.2		µg/kg wet		20.0		86	0-168	4	50
Acrylonitrile	15.4		µg/kg wet		20.0		77	70-130	5	25
Benzene	20.0		µg/kg wet		20.0		100	70-130	0.8	25
Bromobenzene	21.7		µg/kg wet		20.0		108	70-130	5	25
Bromochloromethane	21.3		µg/kg wet		20.0		107	70-130	0.3	25
Bromodichloromethane	18.6		µg/kg wet		20.0		93	70-130	1	25
Bromoform	18.6		µg/kg wet		20.0		93	70-130	4	25
Bromomethane	17.0		µg/kg wet		20.0		85	40.9-138	1	50
2-Butanone (MEK)	16.0		µg/kg wet		20.0		80	29.8-145	4	50
n-Butylbenzene	17.8		µg/kg wet		20.0		89	70-130	0.4	25
sec-Butylbenzene	21.7		µg/kg wet		20.0		108	70-130	3	25
tert-Butylbenzene	21.7		µg/kg wet		20.0		109	70-130	5	25
Carbon disulfide	13.7	QC2	µg/kg wet		20.0		69	70-130	2	25
Carbon tetrachloride	19.9		µg/kg wet		20.0		99	70-130	0.7	25
Chlorobenzene	21.9		µg/kg wet		20.0		110	70-130	2	25
Chloroethane	16.2		µg/kg wet		20.0		81	47.5-130	1	50
Chloroform	18.9		µg/kg wet		20.0		95	70-130	4	25
Chloromethane	14.3		µg/kg wet		20.0		72	70-130	0.3	25
2-Chlorotoluene	20.2		µg/kg wet		20.0		101	70-130	2	25
4-Chlorotoluene	20.4		µg/kg wet		20.0		102	70-130	2	25
1,2-Dibromo-3-chloropropane	18.2		µg/kg wet		20.0		91	70-130	2	25
Dibromochloromethane	18.4		µg/kg wet		20.0		92	66.2-130	1	50
1,2-Dibromoethane (EDB)	19.2		µg/kg wet		20.0		96	70-130	0.6	25
Dibromomethane	19.9		µg/kg wet		20.0		99	70-130	3	25
1,2-Dichlorobenzene	18.9		µg/kg wet		20.0		95	70-130	2	25
1,3-Dichlorobenzene	20.9		µg/kg wet		20.0		104	70-130	4	25
1,4-Dichlorobenzene	19.3		µg/kg wet		20.0		96	70-130	2	25
Dichlorodifluoromethane (Freon12)	15.6		µg/kg wet		20.0		78	32-158	0.4	50
1,1-Dichloroethane	15.4		µg/kg wet		20.0		77	70-130	2	25
1,2-Dichloroethane	19.9		µg/kg wet		20.0		99	70-130	3	25
1,1-Dichloroethene	16.1		µg/kg wet		20.0		80	70-130	4	25
cis-1,2-Dichloroethene	15.0		µg/kg wet		20.0		75	70-130	0.9	25
trans-1,2-Dichloroethene	17.5		µg/kg wet		20.0		88	70-130	2	25
1,2-Dichloropropane	19.7		µg/kg wet		20.0		98	70-130	0.4	25

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8122049 - SW846 5030 Soil (high level)										
LCS Dup (8122049-BSD1)										
Prepared & Analyzed: 30-Dec-08										
1,3-Dichloropropane	19.8		µg/kg wet		20.0		99	70-130	0.4	25
2,2-Dichloropropane	17.7		µg/kg wet		20.0		88	70-130	0.5	25
1,1-Dichloropropene	20.9		µg/kg wet		20.0		105	70-130	3	25
cis-1,3-Dichloropropene	18.4		µg/kg wet		20.0		92	70-130	0.5	25
trans-1,3-Dichloropropene	17.2		µg/kg wet		20.0		86	70-130	2	25
Ethylbenzene	21.2		µg/kg wet		20.0		106	70-130	0.9	25
Hexachlorobutadiene	22.2		µg/kg wet		20.0		111	53.6-138	1	50
2-Hexanone (MBK)	18.1		µg/kg wet		20.0		90	70-130	5	25
Isopropylbenzene	22.8		µg/kg wet		20.0		114	70-130	2	25
4-Isopropyltoluene	19.1		µg/kg wet		20.0		96	70-130	0.7	25
Methyl tert-butyl ether	17.1		µg/kg wet		20.0		86	70-130	0.2	25
4-Methyl-2-pentanone (MIBK)	19.6		µg/kg wet		20.0		98	53.5-137	1	50
Methylene chloride	14.6		µg/kg wet		20.0		73	70-130	0.8	25
Naphthalene	17.8		µg/kg wet		20.0		89	70-130	2	25
n-Propylbenzene	21.5		µg/kg wet		20.0		108	70-130	2	25
Styrene	20.3		µg/kg wet		20.0		102	70-130	5	25
1,1,1,2-Tetrachloroethane	20.6		µg/kg wet		20.0		103	70-130	2	25
1,1,2,2-Tetrachloroethane	21.6		µg/kg wet		20.0		108	70-130	0.3	25
Tetrachloroethene	21.0		µg/kg wet		20.0		105	70-130	6	25
Toluene	20.2		µg/kg wet		20.0		101	70-130	0.2	25
1,2,3-Trichlorobenzene	20.3		µg/kg wet		20.0		101	70-130	5	25
1,2,4-Trichlorobenzene	20.3		µg/kg wet		20.0		102	70-130	2	25
1,3,5-Trichlorobenzene	20.9		µg/kg wet		20.0		105	70-130	2	25
1,1,1-Trichloroethane	19.9		µg/kg wet		20.0		100	70-130	1	25
1,1,2-Trichloroethane	20.0		µg/kg wet		20.0		100	70-130	2	25
Trichloroethene	20.0		µg/kg wet		20.0		100	70-130	0.9	25
Trichlorofluoromethane (Freon 11)	19.0		µg/kg wet		20.0		95	50.9-138	1	50
1,2,3-Trichloropropane	19.7		µg/kg wet		20.0		98	70-130	2	25
1,2,4-Trimethylbenzene	20.6		µg/kg wet		20.0		103	70-130	2	25
1,3,5-Trimethylbenzene	20.9		µg/kg wet		20.0		105	70-130	4	25
Vinyl chloride	14.9		µg/kg wet		20.0		74	70-130	2	25
m,p-Xylene	42.0		µg/kg wet		40.0		105	70-130	2	25
o-Xylene	20.6		µg/kg wet		20.0		103	70-130	5	25
Tetrahydrofuran	20.2		µg/kg wet		20.0		101	70-130	4	25
Ethyl ether	15.2		µg/kg wet		20.0		76	61.4-130	1	50
Tert-amyl methyl ether	18.5		µg/kg wet		20.0		92	70-130	0.8	25
Ethyl tert-butyl ether	20.3		µg/kg wet		20.0		101	70-130	3	25
Di-isopropyl ether	16.6		µg/kg wet		20.0		83	70-130	2	25
Tert-Butanol / butyl alcohol	182		µg/kg wet		200		91	70-130	8	25
1,4-Dioxane	161		µg/kg wet		200		80	48.3-142	7	25
trans-1,4-Dichloro-2-butene	19.2		µg/kg wet		20.0		96	70-130	2	25
Ethanol	284		µg/kg wet		400		71	70-130	5	30
Surrogate: 4-Bromofluorobenzene	*31.8*		µg/kg wet		*30.0*		*106*	*70-130*		
Surrogate: Toluene-d8	*30.1*		µg/kg wet		*30.0*		*100*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*30.1*		µg/kg wet		*30.0*		*100*	*70-130*		
Surrogate: Dibromofluoromethane	*31.8*		µg/kg wet		*30.0*		*106*	*70-130*		
Matrix Spike (8122049-MS1)	**Source: SA89218-06**									
Prepared & Analyzed: 30-Dec-08										
Benzene	21.3		µg/kg dry		20.0	BRL	107	70-130		
Chlorobenzene	24.6		µg/kg dry		20.0	BRL	123	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8122049 - SW846 5030 Soil (high level)										
Matrix Spike (8122049-MS1)	**Source: SA89218-06**									
Prepared & Analyzed: 30-Dec-08										
1,1-Dichloroethene	17.1		µg/kg dry		20.0	BRL	86	70-130		
Toluene	26.9		µg/kg dry		20.0	7.1	99	70-130		
Trichloroethene	23.0		µg/kg dry		20.0	BRL	115	70-130		
Surrogate: 4-Bromofluorobenzene	*31.4*		µg/kg dry		*30.0*		*104*	*70-130*		
Surrogate: Toluene-d8	*30.2*		µg/kg dry		*30.0*		*101*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*29.1*		µg/kg dry		*30.0*		*97*	*70-130*		
Surrogate: Dibromofluoromethane	*31.5*		µg/kg dry		*30.0*		*105*	*70-130*		
Matrix Spike Dup (8122049-MSD1)	**Source: SA89218-06**									
Prepared & Analyzed: 30-Dec-08										
Benzene	20.9		µg/kg dry		20.0	BRL	104	70-130	2	30
Chlorobenzene	22.8		µg/kg dry		20.0	BRL	114	70-130	7	30
1,1-Dichloroethene	17.4		µg/kg dry		20.0	BRL	87	70-130	1	30
Toluene	29.2		µg/kg dry		20.0	7.1	111	70-130	11	30
Trichloroethene	21.1		µg/kg dry		20.0	BRL	106	70-130	9	30
Surrogate: 4-Bromofluorobenzene	*31.3*		µg/kg dry		*30.0*		*104*	*70-130*		
Surrogate: Toluene-d8	*30.7*		µg/kg dry		*30.0*		*102*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*30.9*		µg/kg dry		*30.0*		*103*	*70-130*		
Surrogate: Dibromofluoromethane	*31.1*		µg/kg dry		*30.0*		*104*	*70-130*		
Batch 8122120 - SW846 5030 Soil (high level)										
Blank (8122120-BLK1)										
Prepared & Analyzed: 31-Dec-08										
1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg wet	1.0						
Acetone	BRL		µg/kg wet	10.0						
Acrylonitrile	BRL		µg/kg wet	1.0						
Benzene	BRL		µg/kg wet	1.0						
Bromobenzene	BRL		µg/kg wet	1.0						
Bromochloromethane	BRL		µg/kg wet	1.0						
Bromodichloromethane	BRL		µg/kg wet	1.0						
Bromoform	BRL		µg/kg wet	1.0						
Bromomethane	BRL		µg/kg wet	2.0						
2-Butanone (MEK)	BRL		µg/kg wet	10.0						
n-Butylbenzene	BRL		µg/kg wet	1.0						
sec-Butylbenzene	BRL		µg/kg wet	1.0						
tert-Butylbenzene	BRL		µg/kg wet	1.0						
Carbon disulfide	BRL		µg/kg wet	5.0						
Carbon tetrachloride	BRL		µg/kg wet	1.0						
Chlorobenzene	BRL		µg/kg wet	1.0						
Chloroethane	BRL		µg/kg wet	2.0						
Chloroform	BRL		µg/kg wet	1.0						
Chloromethane	BRL		µg/kg wet	2.0						
2-Chlorotoluene	BRL		µg/kg wet	1.0						
4-Chlorotoluene	BRL		µg/kg wet	1.0						
1,2-Dibromo-3-chloropropane	BRL		µg/kg wet	2.0						
Dibromochloromethane	BRL		µg/kg wet	1.0						
1,2-Dibromoethane (EDB)	BRL		µg/kg wet	1.0						
Dibromomethane	BRL		µg/kg wet	1.0						
1,2-Dichlorobenzene	BRL		µg/kg wet	1.0						
1,3-Dichlorobenzene	BRL		µg/kg wet	1.0						
1,4-Dichlorobenzene	BRL		µg/kg wet	1.0						
Dichlorodifluoromethane (Freon12)	BRL		µg/kg wet	2.0						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8122120 - SW846 5030 Soil (high level)										
Blank (8122120-BLK1)										
Prepared & Analyzed: 31-Dec-08										
1,1-Dichloroethane	BRL		µg/kg wet	1.0						
1,2-Dichloroethane	BRL		µg/kg wet	1.0						
1,1-Dichloroethene	BRL		µg/kg wet	1.0						
cis-1,2-Dichloroethene	BRL		µg/kg wet	1.0						
trans-1,2-Dichloroethene	BRL		µg/kg wet	1.0						
1,2-Dichloropropane	BRL		µg/kg wet	1.0						
1,3-Dichloropropane	BRL		µg/kg wet	1.0						
2,2-Dichloropropane	BRL		µg/kg wet	1.0						
1,1-Dichloropropene	BRL		µg/kg wet	1.0						
cis-1,3-Dichloropropene	BRL		µg/kg wet	1.0						
trans-1,3-Dichloropropene	BRL		µg/kg wet	1.0						
Ethylbenzene	BRL		µg/kg wet	1.0						
Hexachlorobutadiene	BRL		µg/kg wet	1.0						
2-Hexanone (MBK)	BRL		µg/kg wet	10.0						
Isopropylbenzene	BRL		µg/kg wet	1.0						
4-Isopropyltoluene	BRL		µg/kg wet	1.0						
Methyl tert-butyl ether	BRL		µg/kg wet	1.0						
4-Methyl-2-pentanone (MIBK)	BRL		µg/kg wet	10.0						
Methylene chloride	BRL		µg/kg wet	10.0						
Naphthalene	BRL		µg/kg wet	1.0						
n-Propylbenzene	BRL		µg/kg wet	1.0						
Styrene	BRL		µg/kg wet	1.0						
1,1,1,2-Tetrachloroethane	BRL		µg/kg wet	1.0						
1,1,2,2-Tetrachloroethane	BRL		µg/kg wet	1.0						
Tetrachloroethene	BRL		µg/kg wet	1.0						
Toluene	BRL		µg/kg wet	1.0						
1,2,3-Trichlorobenzene	BRL		µg/kg wet	1.0						
1,2,4-Trichlorobenzene	BRL		µg/kg wet	1.0						
1,3,5-Trichlorobenzene	BRL		µg/kg wet	1.0						
1,1,1-Trichloroethane	BRL		µg/kg wet	1.0						
1,1,2-Trichloroethane	BRL		µg/kg wet	1.0						
Trichloroethene	BRL		µg/kg wet	1.0						
Trichlorofluoromethane (Freon 11)	BRL		µg/kg wet	1.0						
1,2,3-Trichloropropane	BRL		µg/kg wet	1.0						
1,2,4-Trimethylbenzene	BRL		µg/kg wet	1.0						
1,3,5-Trimethylbenzene	BRL		µg/kg wet	1.0						
Vinyl chloride	BRL		µg/kg wet	1.0						
m,p-Xylene	BRL		µg/kg wet	2.0						
o-Xylene	BRL		µg/kg wet	1.0						
Tetrahydrofuran	BRL		µg/kg wet	10.0						
Ethyl ether	BRL		µg/kg wet	1.0						
Tert-amyl methyl ether	BRL		µg/kg wet	1.0						
Ethyl tert-butyl ether	BRL		µg/kg wet	1.0						
Di-isopropyl ether	BRL		µg/kg wet	1.0						
Tert-Butanol / butyl alcohol	BRL		µg/kg wet	10.0						
1,4-Dioxane	BRL		µg/kg wet	20.0						
trans-1,4-Dichloro-2-butene	BRL		µg/kg wet	5.0						
Ethanol	BRL		µg/kg wet	400						
Surrogate: 4-Bromofluorobenzene	*32.1*		µg/kg wet		*30.0*		*107*	*70-130*		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8122120 - SW846 5030 Soil (high level)										
Blank (8122120-BLK1)										
Prepared & Analyzed: 31-Dec-08										
Surrogate: Toluene-d8	*28.9*		µg/kg wet		*30.0*		*96*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*33.4*		µg/kg wet		*30.0*		*111*	*70-130*		
Surrogate: Dibromofluoromethane	*34.8*		µg/kg wet		*30.0*		*116*	*70-130*		
LCS (8122120-BS1)										
Prepared & Analyzed: 31-Dec-08										
1,1,2-Trichlorotrifluoroethane (Freon 113)	19.4		µg/kg wet		20.0		97	70-130		
Acetone	21.0		µg/kg wet		20.0		105	0-168		
Acrylonitrile	17.9		µg/kg wet		20.0		90	70-130		
Benzene	20.3		µg/kg wet		20.0		102	70-130		
Bromobenzene	24.2		µg/kg wet		20.0		121	70-130		
Bromochloromethane	26.3	QC2	µg/kg wet		20.0		132	70-130		
Bromodichloromethane	21.6		µg/kg wet		20.0		108	70-130		
Bromoform	22.8		µg/kg wet		20.0		114	70-130		
Bromomethane	20.0		µg/kg wet		20.0		100	40.9-138		
2-Butanone (MEK)	18.4		µg/kg wet		20.0		92	29.8-145		
n-Butylbenzene	17.2		µg/kg wet		20.0		86	70-130		
sec-Butylbenzene	21.2		µg/kg wet		20.0		106	70-130		
tert-Butylbenzene	22.6		µg/kg wet		20.0		113	70-130		
Carbon disulfide	14.4		µg/kg wet		20.0		72	70-130		
Carbon tetrachloride	25.4		µg/kg wet		20.0		127	70-130		
Chlorobenzene	22.4		µg/kg wet		20.0		112	70-130		
Chloroethane	18.2		µg/kg wet		20.0		91	47.5-130		
Chloroform	21.2		µg/kg wet		20.0		106	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	20.5		µg/kg wet		20.0		103	70-130		
1,2-Dibromo-3-chloropropane	22.6		µg/kg wet		20.0		113	70-130		
Dibromochloromethane	22.8		µg/kg wet		20.0		114	66.2-130		
1,2-Dibromoethane (EDB)	23.1		µg/kg wet		20.0		115	70-130		
Dibromomethane	24.2		µg/kg wet		20.0		121	70-130		
1,2-Dichlorobenzene	19.8		µg/kg wet		20.0		99	70-130		
1,3-Dichlorobenzene	22.1		µg/kg wet		20.0		110	70-130		
1,4-Dichlorobenzene	19.8		µg/kg wet		20.0		99	70-130		
Dichlorodifluoromethane (Freon12)	17.1		µg/kg wet		20.0		86	32-158		
1,1-Dichloroethane	16.6		µg/kg wet		20.0		83	70-130		
1,2-Dichloroethane	22.0		µg/kg wet		20.0		110	70-130		
1,1-Dichloroethene	19.2		µg/kg wet		20.0		96	70-130		
cis-1,2-Dichloroethene	18.3		µg/kg wet		20.0		91	70-130		
trans-1,2-Dichloroethene	20.7		µg/kg wet		20.0		103	70-130		
1,2-Dichloropropane	21.7		µg/kg wet		20.0		108	70-130		
1,3-Dichloropropane	21.7		µg/kg wet		20.0		109	70-130		
2,2-Dichloropropane	21.5		µg/kg wet		20.0		108	70-130		
1,1-Dichloropropene	23.2		µg/kg wet		20.0		116	70-130		
cis-1,3-Dichloropropene	20.3		µg/kg wet		20.0		102	70-130		
trans-1,3-Dichloropropene	19.6		µg/kg wet		20.0		98	70-130		
Ethylbenzene	20.5		µg/kg wet		20.0		102	70-130		
Hexachlorobutadiene	23.2		µg/kg wet		20.0		116	53.6-138		
2-Hexanone (MBK)	21.6		µg/kg wet		20.0		108	70-130		
Isopropylbenzene	22.4		µg/kg wet		20.0		112	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8122120 - SW846 5030 Soil (high level)										
LCS (8122120-BS1)										
Prepared & Analyzed: 31-Dec-08										
4-Isopropyltoluene	18.7		µg/kg wet		20.0		94	70-130		
Methyl tert-butyl ether	19.2		µg/kg wet		20.0		96	70-130		
4-Methyl-2-pentanone (MIBK)	22.0		µg/kg wet		20.0		110	53.5-137		
Methylene chloride	16.8		µg/kg wet		20.0		84	70-130		
Naphthalene	17.7		µg/kg wet		20.0		88	70-130		
n-Propylbenzene	20.4		µg/kg wet		20.0		102	70-130		
Styrene	21.0		µg/kg wet		20.0		105	70-130		
1,1,1,2-Tetrachloroethane	23.6		µg/kg wet		20.0		118	70-130		
1,1,2,2-Tetrachloroethane	23.5		µg/kg wet		20.0		118	70-130		
Tetrachloroethene	26.1	QC1	µg/kg wet		20.0		131	70-130		
Toluene	21.6		µg/kg wet		20.0		108	70-130		
1,2,3-Trichlorobenzene	21.9		µg/kg wet		20.0		109	70-130		
1,2,4-Trichlorobenzene	21.2		µg/kg wet		20.0		106	70-130		
1,3,5-Trichlorobenzene	22.4		µg/kg wet		20.0		112	70-130		
1,1,1-Trichloroethane	23.8		µg/kg wet		20.0		119	70-130		
1,1,2-Trichloroethane	23.4		µg/kg wet		20.0		117	70-130		
Trichloroethene	24.0		µg/kg wet		20.0		120	70-130		
Trichlorofluoromethane (Freon 11)	22.1		µg/kg wet		20.0		110	50.9-138		
1,2,3-Trichloropropane	21.0		µg/kg wet		20.0		105	70-130		
1,2,4-Trimethylbenzene	20.6		µg/kg wet		20.0		103	70-130		
1,3,5-Trimethylbenzene	21.3		µg/kg wet		20.0		106	70-130		
Vinyl chloride	17.2		µg/kg wet		20.0		86	70-130		
m,p-Xylene	41.8		µg/kg wet		40.0		104	70-130		
o-Xylene	21.6		µg/kg wet		20.0		108	70-130		
Tetrahydrofuran	25.5		µg/kg wet		20.0		128	70-130		
Ethyl ether	18.7		µg/kg wet		20.0		93	61.4-130		
Tert-amyl methyl ether	22.2		µg/kg wet		20.0		111	70-130		
Ethyl tert-butyl ether	20.9		µg/kg wet		20.0		105	70-130		
Di-isopropyl ether	17.3		µg/kg wet		20.0		86	70-130		
Tert-Butanol / butyl alcohol	211		µg/kg wet		200		106	70-130		
1,4-Dioxane	204		µg/kg wet		200		102	48.3-142		
trans-1,4-Dichloro-2-butene	21.8		µg/kg wet		20.0		109	70-130		
Ethanol	371		µg/kg wet		400		93	70-130		
Surrogate: 4-Bromofluorobenzene	*31.2*		µg/kg wet		*30.0*		*104*	*70-130*		
Surrogate: Toluene-d8	*29.0*		µg/kg wet		*30.0*		*97*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*32.5*		µg/kg wet		*30.0*		*108*	*70-130*		
Surrogate: Dibromofluoromethane	*35.5*		µg/kg wet		*30.0*		*118*	*70-130*		
LCS Dup (8122120-BSD1)										
Prepared & Analyzed: 31-Dec-08										
1,1,2-Trichlorotrifluoroethane (Freon 113)	19.9		µg/kg wet		20.0		100	70-130	3	25
Acetone	20.6		µg/kg wet		20.0		103	0-168	2	50
Acrylonitrile	18.8		µg/kg wet		20.0		94	70-130	5	25
Benzene	20.4		µg/kg wet		20.0		102	70-130	0.2	25
Bromobenzene	24.1		µg/kg wet		20.0		121	70-130	0.2	25
Bromochloromethane	28.2	QC2	µg/kg wet		20.0		141	70-130	7	25
Bromodichloromethane	22.5		µg/kg wet		20.0		113	70-130	4	25
Bromoform	22.8		µg/kg wet		20.0		114	70-130	0.09	25
Bromomethane	19.0		µg/kg wet		20.0		95	40.9-138	5	50
2-Butanone (MEK)	20.3		µg/kg wet		20.0		101	29.8-145	10	50
n-Butylbenzene	18.0		µg/kg wet		20.0		90	70-130	4	25

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8122120 - SW846 5030 Soil (high level)										
LCS Dup (8122120-BSD1)										
Prepared & Analyzed: 31-Dec-08										
sec-Butylbenzene	20.9		µg/kg wet		20.0		104	70-130	1	25
tert-Butylbenzene	21.8		µg/kg wet		20.0		109	70-130	3	25
Carbon disulfide	14.9		µg/kg wet		20.0		75	70-130	4	25
Carbon tetrachloride	25.2		µg/kg wet		20.0		126	70-130	1	25
Chlorobenzene	21.5		µg/kg wet		20.0		108	70-130	4	25
Chloroethane	18.0		µg/kg wet		20.0		90	47.5-130	1	50
Chloroform	21.5		µg/kg wet		20.0		108	70-130	1	25
Chloromethane	15.7		µg/kg wet		20.0		78	70-130	3	25
2-Chlorotoluene	19.3		µg/kg wet		20.0		96	70-130	1	25
4-Chlorotoluene	20.0		µg/kg wet		20.0		100	70-130	3	25
1,2-Dibromo-3-chloropropane	21.1		µg/kg wet		20.0		105	70-130	7	25
Dibromochloromethane	22.2		µg/kg wet		20.0		111	66.2-130	2	50
1,2-Dibromoethane (EDB)	23.7		µg/kg wet		20.0		118	70-130	3	25
Dibromomethane	24.4		µg/kg wet		20.0		122	70-130	0.9	25
1,2-Dichlorobenzene	19.5		µg/kg wet		20.0		98	70-130	1	25
1,3-Dichlorobenzene	21.6		µg/kg wet		20.0		108	70-130	2	25
1,4-Dichlorobenzene	19.8		µg/kg wet		20.0		99	70-130	0.1	25
Dichlorodifluoromethane (Freon12)	17.8		µg/kg wet		20.0		89	32-158	4	50
1,1-Dichloroethane	17.8		µg/kg wet		20.0		89	70-130	7	25
1,2-Dichloroethane	22.8		µg/kg wet		20.0		114	70-130	4	25
1,1-Dichloroethene	19.4		µg/kg wet		20.0		97	70-130	2	25
cis-1,2-Dichloroethene	18.5		µg/kg wet		20.0		93	70-130	1	25
trans-1,2-Dichloroethene	20.8		µg/kg wet		20.0		104	70-130	0.7	25
1,2-Dichloropropane	22.1		µg/kg wet		20.0		111	70-130	2	25
1,3-Dichloropropane	22.1		µg/kg wet		20.0		110	70-130	2	25
2,2-Dichloropropane	21.7		µg/kg wet		20.0		109	70-130	0.8	25
1,1-Dichloropropene	23.4		µg/kg wet		20.0		117	70-130	0.7	25
cis-1,3-Dichloropropene	20.5		µg/kg wet		20.0		103	70-130	1	25
trans-1,3-Dichloropropene	20.1		µg/kg wet		20.0		101	70-130	3	25
Ethylbenzene	20.0		µg/kg wet		20.0		100	70-130	2	25
Hexachlorobutadiene	25.0		µg/kg wet		20.0		125	53.6-138	7	50
2-Hexanone (MBK)	23.1		µg/kg wet		20.0		116	70-130	7	25
Isopropylbenzene	21.9		µg/kg wet		20.0		110	70-130	2	25
4-Isopropyltoluene	18.7		µg/kg wet		20.0		94	70-130	0.05	25
Methyl tert-butyl ether	19.8		µg/kg wet		20.0		99	70-130	3	25
4-Methyl-2-pentanone (MIBK)	22.9		µg/kg wet		20.0		115	53.5-137	4	50
Methylene chloride	18.0		µg/kg wet		20.0		90	70-130	6	25
Naphthalene	18.3		µg/kg wet		20.0		91	70-130	3	25
n-Propylbenzene	20.0		µg/kg wet		20.0		100	70-130	2	25
Styrene	20.1		µg/kg wet		20.0		101	70-130	4	25
1,1,1,2-Tetrachloroethane	23.3		µg/kg wet		20.0		117	70-130	1	25
1,1,2,2-Tetrachloroethane	23.5		µg/kg wet		20.0		118	70-130	0.09	25
Tetrachloroethene	26.0		µg/kg wet		20.0		130	70-130	0.5	25
Toluene	21.2		µg/kg wet		20.0		106	70-130	2	25
1,2,3-Trichlorobenzene	22.7		µg/kg wet		20.0		114	70-130	4	25
1,2,4-Trichlorobenzene	22.2		µg/kg wet		20.0		111	70-130	5	25
1,3,5-Trichlorobenzene	22.5		µg/kg wet		20.0		113	70-130	0.6	25
1,1,1-Trichloroethane	24.2		µg/kg wet		20.0		121	70-130	2	25
1,1,2-Trichloroethane	23.8		µg/kg wet		20.0		119	70-130	2	25

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8122120 - SW846 5030 Soil (high level)										
LCS Dup (8122120-BSD1)										
Prepared & Analyzed: 31-Dec-08										
Trichloroethene	23.8		µg/kg wet		20.0		119	70-130	1	25
Trichlorofluoromethane (Freon 11)	22.7		µg/kg wet		20.0		113	50.9-138	3	50
1,2,3-Trichloropropane	20.9		µg/kg wet		20.0		104	70-130	0.4	25
1,2,4-Trimethylbenzene	20.2		µg/kg wet		20.0		101	70-130	2	25
1,3,5-Trimethylbenzene	20.6		µg/kg wet		20.0		103	70-130	3	25
Vinyl chloride	18.4		µg/kg wet		20.0		92	70-130	7	25
m,p-Xylene	41.2		µg/kg wet		40.0		103	70-130	1	25
o-Xylene	20.9		µg/kg wet		20.0		105	70-130	3	25
Tetrahydrofuran	28.8	QC1	µg/kg wet		20.0		144	70-130	12	25
Ethyl ether	18.9		µg/kg wet		20.0		95	61.4-130	1	50
Tert-amyl methyl ether	22.6		µg/kg wet		20.0		113	70-130	2	25
Ethyl tert-butyl ether	22.0		µg/kg wet		20.0		110	70-130	5	25
Di-isopropyl ether	18.0		µg/kg wet		20.0		90	70-130	4	25
Tert-Butanol / butyl alcohol	222		µg/kg wet		200		111	70-130	5	25
1,4-Dioxane	277	QR2	µg/kg wet		200		139	48.3-142	30	25
trans-1,4-Dichloro-2-butene	22.5		µg/kg wet		20.0		112	70-130	3	25
Ethanol	427		µg/kg wet		400		107	70-130	14	30
Surrogate: 4-Bromofluorobenzene	*31.6*		µg/kg wet		*30.0*		*105*	*70-130*		
Surrogate: Toluene-d8	*29.5*		µg/kg wet		*30.0*		*98*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*33.9*		µg/kg wet		*30.0*		*113*	*70-130*		
Surrogate: Dibromofluoromethane	*36.5*		µg/kg wet		*30.0*		*122*	*70-130*		
Matrix Spike (8122120-MS1)	**Source: SA89183-08**									
Prepared & Analyzed: 31-Dec-08										
Benzene	21.3		µg/kg dry		20.0	BRL	106	70-130		
Chlorobenzene	22.9		µg/kg dry		20.0	BRL	115	70-130		
1,1-Dichloroethene	19.7		µg/kg dry		20.0	BRL	98	70-130		
Toluene	22.3		µg/kg dry		20.0	BRL	111	70-130		
Trichloroethene	23.8		µg/kg dry		20.0	BRL	119	70-130		
Surrogate: 4-Bromofluorobenzene	*32.7*		µg/kg dry		*30.0*		*109*	*70-130*		
Surrogate: Toluene-d8	*29.3*		µg/kg dry		*30.0*		*98*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*31.9*		µg/kg dry		*30.0*		*106*	*70-130*		
Surrogate: Dibromofluoromethane	*33.3*		µg/kg dry		*30.0*		*111*	*70-130*		
Matrix Spike Dup (8122120-MSD1)	**Source: SA89183-08**									
Prepared & Analyzed: 31-Dec-08										
Benzene	22.6		µg/kg dry		20.0	BRL	113	70-130	6	30
Chlorobenzene	23.4		µg/kg dry		20.0	BRL	117	70-130	2	30
1,1-Dichloroethene	20.6		µg/kg dry		20.0	BRL	103	70-130	5	30
Toluene	23.8		µg/kg dry		20.0	BRL	119	70-130	7	30
Trichloroethene	25.4		µg/kg dry		20.0	BRL	127	70-130	7	30
Surrogate: 4-Bromofluorobenzene	*31.8*		µg/kg dry		*30.0*		*106*	*70-130*		
Surrogate: Toluene-d8	*29.3*		µg/kg dry		*30.0*		*98*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*32.6*		µg/kg dry		*30.0*		*109*	*70-130*		
Surrogate: Dibromofluoromethane	*34.5*		µg/kg dry		*30.0*		*115*	*70-130*		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8121887 - SW846 3550B										
Blank (8121887-BLK1)										
Prepared: 26-Dec-08 Analyzed: 02-Jan-09										
Acenaphthene	BRL		µg/kg wet	66.5						
Acenaphthylene	BRL		µg/kg wet	66.5						
Anthracene	BRL		µg/kg wet	66.5						
Benzo (a) anthracene	BRL		µg/kg wet	66.5						
Benzo (a) pyrene	BRL		µg/kg wet	66.5						
Benzo (b) fluoranthene	BRL		µg/kg wet	66.5						
Benzo (g,h,i) perylene	BRL		µg/kg wet	66.5						
Benzo (k) fluoranthene	BRL		µg/kg wet	66.5						
Chrysene	BRL		µg/kg wet	66.5						
Dibenzo (a,h) anthracene	BRL		µg/kg wet	66.5						
Fluoranthene	BRL		µg/kg wet	66.5						
Fluorene	BRL		µg/kg wet	66.5						
Indeno (1,2,3-cd) pyrene	BRL		µg/kg wet	66.5						
1-Methylnaphthalene	BRL		µg/kg wet	66.5						
2-Methylnaphthalene	BRL		µg/kg wet	66.5						
Naphthalene	BRL		µg/kg wet	66.5						
Phenanthrene	BRL		µg/kg wet	66.5						
Pyrene	BRL		µg/kg wet	66.5						
Surrogate: 2-Fluorobiphenyl	*2130*		µg/kg wet		*3330*		*64*	*30-130*		
Surrogate: Terphenyl-dl4	*2580*		µg/kg wet		*3330*		*77*	*30-130*		
LCS (8121887-BS1)										
Prepared: 26-Dec-08 Analyzed: 02-Jan-09										
Acenaphthene	2560		µg/kg wet	66.5	3330		77	40-140		
Acenaphthylene	2500		µg/kg wet	66.5	3330		75	40-140		
Anthracene	2330		µg/kg wet	66.5	3330		70	40-140		
Benzo (a) anthracene	2950		µg/kg wet	66.5	3330		89	40-140		
Benzo (a) pyrene	2440		µg/kg wet	66.5	3330		73	40-140		
Benzo (b) fluoranthene	2360		µg/kg wet	66.5	3330		71	40-140		
Benzo (g,h,i) perylene	2830		µg/kg wet	66.5	3330		85	40-140		
Benzo (k) fluoranthene	2650		µg/kg wet	66.5	3330		79	40-140		
Chrysene	3020		µg/kg wet	66.5	3330		91	40-140		
Dibenzo (a,h) anthracene	2770		µg/kg wet	66.5	3330		83	40-140		
Fluoranthene	2420		µg/kg wet	66.5	3330		72	40-140		
Fluorene	2450		µg/kg wet	66.5	3330		73	40-140		
Indeno (1,2,3-cd) pyrene	2760		µg/kg wet	66.5	3330		83	40-140		
1-Methylnaphthalene	2540		µg/kg wet	66.5	3330		76	40-140		
2-Methylnaphthalene	2400		µg/kg wet	66.5	3330		72	40-140		
Naphthalene	2360		µg/kg wet	66.5	3330		71	40-140		
Phenanthrene	2320		µg/kg wet	66.5	3330		70	40-140		
Pyrene	3010		µg/kg wet	66.5	3330		90	40-140		
Surrogate: 2-Fluorobiphenyl	*2530*		µg/kg wet		*3330*		*76*	*30-130*		
Surrogate: Terphenyl-dl4	*2830*		µg/kg wet		*3330*		*85*	*30-130*		
Duplicate (8121887-DUP1) **Source: SA89183-06**										
Prepared: 26-Dec-08 Analyzed: 02-Jan-09										
Acenaphthene	BRL		µg/kg dry	186		BRL				50
Acenaphthylene	BRL		µg/kg dry	186		BRL				50
Anthracene	BRL		µg/kg dry	186		BRL				50
Benzo (a) anthracene	BRL		µg/kg dry	186		BRL				50
Benzo (a) pyrene	BRL		µg/kg dry	186		BRL				50

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8121887 - SW846 3550B										
Duplicate (8121887-DUP1) **Source: SA89183-06**										
Prepared: 26-Dec-08 Analyzed: 02-Jan-09										
Benzo (b) fluoranthene	BRL		µg/kg dry	186		BRL				50
Benzo (g,h,i) perylene	BRL		µg/kg dry	186		BRL				50
Benzo (k) fluoranthene	BRL		µg/kg dry	186		BRL				50
Chrysene	BRL		µg/kg dry	186		BRL				50
Dibenzo (a,h) anthracene	BRL		µg/kg dry	186		BRL				50
Fluoranthene	BRL		µg/kg dry	186		BRL				50
Fluorene	BRL		µg/kg dry	186		BRL				50
Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	186		BRL				50
1-Methylnaphthalene	BRL		µg/kg dry	186		BRL				50
2-Methylnaphthalene	BRL		µg/kg dry	186		BRL				50
Naphthalene	BRL		µg/kg dry	186		BRL				50
Phenanthrene	BRL		µg/kg dry	186		BRL				50
Pyrene	BRL		µg/kg dry	186		BRL				50
Surrogate: 2-Fluorobiphenyl	*2130*		µg/kg dry		*4660*		*46*	*30-130*		
Surrogate: Terphenyl-dl4	*2450*		µg/kg dry		*4660*		*53*	*30-130*		
Matrix Spike (8121887-MS1) **Source: SA89183-06**										
Prepared: 26-Dec-08 Analyzed: 02-Jan-09										
Acenaphthene	3510		µg/kg dry	91.5	4590	BRL	77	40-140		
Pyrene	4000		µg/kg dry	91.5	4590	BRL	87	40-140		
Surrogate: 2-Fluorobiphenyl	*3490*		µg/kg dry		*4590*		*76*	*30-130*		
Surrogate: Terphenyl-dl4	*3840*		µg/kg dry		*4590*		*84*	*30-130*		
Matrix Spike Dup (8121887-MSD1) **Source: SA89183-06**										
Prepared: 26-Dec-08 Analyzed: 02-Jan-09										
Acenaphthene	3390		µg/kg dry	93.8	4700	BRL	72	40-140	6	30
Pyrene	3850		µg/kg dry	93.8	4700	BRL	82	40-140	6	30
Surrogate: 2-Fluorobiphenyl	*2940*		µg/kg dry		*4700*		*63*	*30-130*		
Surrogate: Terphenyl-dl4	*3220*		µg/kg dry		*4700*		*68*	*30-130*		

Extractable Petroleum Hydrocarbons - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8121886 - SW846 3550B										
Blank (8121886-BLK1)										
Prepared: 26-Dec-08 Analyzed: 29-Dec-08										
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						
Diesel Range Organics (DRO)	BRL		mg/kg wet	13.3						
C9 - C36	BRL		mg/kg wet	13.3						
Surrogate: 1-Chlorooctadecane	*3.23*		mg/kg wet		*3.33*		*97*	*40-140*		
LCS (8121886-BS2)										
Prepared: 26-Dec-08 Analyzed: 29-Dec-08										
Fuel Oil #2	529		mg/kg wet	13.3	667		79	40-140		
Surrogate: 1-Chlorooctadecane	*2.53*		mg/kg wet		*3.33*		*76*	*40-140*		
Duplicate (8121886-DUP2) **Source: SA89183-06**										
Prepared: 26-Dec-08 Analyzed: 29-Dec-08										
Fuel Oil #2	BRL		mg/kg dry	37.6		BRL				50
Fuel Oil #4	BRL		mg/kg dry	37.6		BRL				50
Fuel Oil #6	BRL		mg/kg dry	37.6		BRL				50
Motor Oil	BRL		mg/kg dry	37.6		BRL				50
Aviation Fuel	BRL		mg/kg dry	37.6		BRL				50
Unidentified	BRL		mg/kg dry	37.6		BRL				50
Other Oil	BRL		mg/kg dry	37.6		BRL				50
Diesel Range Organics (DRO)	BRL		mg/kg dry	37.6		BRL				50
Surrogate: 1-Chlorooctadecane	*4.00*		mg/kg dry		*4.71*		*85*	*40-140*		
Matrix Spike (8121886-MS2) **Source: SA89183-06**										
Prepared: 26-Dec-08 Analyzed: 29-Dec-08										
Diesel Range Organics (DRO)	663		mg/kg dry	18.2	911	BRL	73	40-140		
Surrogate: 1-Chlorooctadecane	*2.87*		mg/kg dry		*4.55*		*63*	*40-140*		
Matrix Spike Dup (8121886-MSD2) **Source: SA89183-06**										
Prepared: 26-Dec-08 Analyzed: 29-Dec-08										
Diesel Range Organics (DRO)	720		mg/kg dry	18.6	932	BRL	77	40-140	6	200
Surrogate: 1-Chlorooctadecane	*3.49*		mg/kg dry		*4.66*		*75*	*40-140*		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8121809 - EPA200/SW7000 Series										
Blank (8121809-BLK1)										
Prepared: 29-Dec-08 Analyzed: 31-Dec-08										
Mercury	BRL		mg/kg wet	0.0292						
Duplicate (8121809-DUP1) **Source: SA89183-01**										
Prepared: 29-Dec-08 Analyzed: 31-Dec-08										
Mercury	0.0135	J,QR8	mg/kg dry	0.0421		0.0183			30	20
Matrix Spike (8121809-MS1) **Source: SA89183-02**										
Prepared: 29-Dec-08 Analyzed: 31-Dec-08										
Mercury	0.602		mg/kg dry	0.0420	0.583	BRL	103	75-125		
Post Spike (8121809-PS1) **Source: SA89183-02**										
Prepared: 29-Dec-08 Analyzed: 31-Dec-08										
Mercury	0.571		mg/kg dry	0.0408	0.566	BRL	101	80-120		
Reference (8121809-SRM1)										
Prepared: 29-Dec-08 Analyzed: 31-Dec-08										
Mercury	2.08		mg/kg wet	0.0300	2.17		96	71.7-128.8		

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 8121808 - EPA 200 Series										
Blank (8121808-BLK1)										
Prepared & Analyzed: 29-Dec-08										
Silver	BRL		mg/kg wet	1.38						
Selenium	BRL		mg/kg wet	1.38						
Arsenic	BRL		mg/kg wet	1.38						
Cadmium	BRL		mg/kg wet	0.460						
Lead	BRL		mg/kg wet	1.38						
Chromium	BRL		mg/kg wet	0.920						
Barium	BRL		mg/kg wet	0.920						
Duplicate (8121808-DUP1)	**Source: SA89183-01**									
Prepared & Analyzed: 29-Dec-08										
Selenium	1.66	J	mg/kg dry	2.18		1.56			6	20
Silver	BRL		mg/kg dry	2.18		BRL				20
Chromium	22.6		mg/kg dry	1.45		26.2			15	20
Cadmium	0.538	J	mg/kg dry	0.726		0.574			7	20
Lead	23.7	QR9	mg/kg dry	2.18		32.4			31	20
Arsenic	10.8		mg/kg dry	2.18		12.2			12	20
Barium	39.5		mg/kg dry	1.45		42.6			8	20
Matrix Spike (8121808-MS1)	**Source: SA89183-02**									
Prepared & Analyzed: 29-Dec-08										
Silver	169		mg/kg dry	1.99	166	BRL	102	70-130		
Selenium	192		mg/kg dry	1.99	166	0.766	115	70-130		
Lead	177		mg/kg dry	1.99	166	11.4	99	70-130		
Chromium	882	QM4X	mg/kg dry	1.33	166	926	-27	70-130		
Cadmium	186		mg/kg dry	0.665	166	0.0436	112	70-130		
Arsenic	179		mg/kg dry	1.99	166	5.72	104	70-130		
Barium	212		mg/kg dry	1.33	166	33.9	107	70-130		
Post Spike (8121808-PS1)	**Source: SA89183-02**									
Prepared & Analyzed: 29-Dec-08										
Silver	169		mg/kg dry	1.99	166	BRL	102	85-115		
Cadmium	187		mg/kg dry	0.662	166	0.0436	113	85-115		
Lead	181		mg/kg dry	1.99	166	11.4	102	85-115		
Chromium	966	QM4X	mg/kg dry	1.32	166	926	24	85-115		
Arsenic	180		mg/kg dry	1.99	166	5.72	105	85-115		
Barium	204		mg/kg dry	1.32	166	33.9	103	85-115		
Reference (8121808-SRM1)										
Prepared & Analyzed: 29-Dec-08										
Silver	16.0		mg/kg wet	1.50	15.5		103	66.4-133.6		
Selenium	164		mg/kg wet	1.50	147		112	76.6-123.1		
Arsenic	53.7		mg/kg wet	1.50	53.5		100	77.6-123.1		
Chromium	122		mg/kg wet	1.00	121		100	79.7-120.3		
Lead	44.1		mg/kg wet	1.50	44.2		100	78.8-120.9		
Cadmium	32.3		mg/kg wet	0.500	31.2		104	80.9-119.3		
Barium	98.7		mg/kg wet	1.00	102		97	79.8-119.7		

General Chemistry Parameters - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8121808 - EPA 200 Series										
Blank (8121808-BLK1)										
Prepared: 29-Dec-08 Analyzed: 15-Jan-09										
Trivalent Chromium	BRL		mg/kg	1.00						
Batch 8121861 - General Preparation										
Duplicate (8121861-DUP1)	**Source: SA89183-01**									
Prepared & Analyzed: 24-Dec-08										
% Solids	69.1		%			64.0			8	20
Batch 9010812 - General Preparation										
Blank (9010812-BLK1)										
Prepared & Analyzed: 14-Jan-09										
Hexavalent Chromium	BRL		mg/kg wet	1.00						
Blank (9010812-BLK2)										
Prepared & Analyzed: 14-Jan-09										
Hexavalent Chromium	BRL		mg/kg wet	1.00						
LCS (9010812-BS1)										
Prepared & Analyzed: 14-Jan-09										
Hexavalent Chromium	21.1		mg/kg wet	1.00	20.0		105	90-110		
LCS (9010812-BS2)										
Prepared & Analyzed: 14-Jan-09										
Hexavalent Chromium	20.4		mg/kg wet	1.00	20.0		102	90-110		
Duplicate (9010812-DUP1)	**Source: SA89183-03**									
Prepared & Analyzed: 14-Jan-09										
Hexavalent Chromium	37.1		mg/kg dry	1.45		40.9			10	35
Matrix Spike (9010812-MS1)	**Source: SA89183-03**									
Prepared & Analyzed: 14-Jan-09										
Hexavalent Chromium	74.1		mg/kg dry	2.89	28.9	40.9	115	75-125		
Matrix Spike Dup (9010812-MSD1)	**Source: SA89183-03**									
Prepared & Analyzed: 14-Jan-09										
Hexavalent Chromium	78.0	QM9	mg/kg dry	2.87	28.7	40.9	130	75-125	5	35
Post Spike (9010812-PS1)	**Source: SA89183-03**									
Prepared & Analyzed: 14-Jan-09										
Hexavalent Chromium	1.60		mg/kg dry		1.00	0.762	84	75-125		
Reference (9010812-SRM1)										
Prepared & Analyzed: 14-Jan-09										
Hexavalent Chromium	103		mg/kg wet	10.0	120		86	23.3-143		

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.
QM4X	The spike recovery was outside of QC acceptance limits for the MS, MSD and/or PS due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.
QM9	The spike recovery for this QC sample is outside the established control limits. The sample results for the QC batch were accepted based on LCS or SRM recoveries within the control limits.
QR2	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
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.
QR9	RPD out of acceptance range. The batch is accepted based upon LCS and/or LCSD recovery.
VC10	The VOC preserved soil sample is not within the 1:1 weight to volume ratio as recommended by SW846 methods 5030 and 5035 but may be within the 1:1 volume to volume ratio. This variance may affect the final reporting limit.
BRL	Below Reporting Limit - Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference
J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).

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

Interpretation of Total Petroleum Hydrocarbon Report

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

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

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

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

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

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

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

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

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

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

Validated by:
Hanibal C. Tayeh, Ph.D.
June O'Connor
Nicole Leja

SA 89183 EM ✓

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Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

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

Report To: ECS Bow

Project Mgr.: Steve Low

Invoice To: ECS Agawam

P.O. No.: _____ RQN: 0002

Project No.: 02-202174.00

Site Name: Former Tannery

Location: Penacook State: NH

Sampler(s) Owen Castor

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

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

G=Grab C=Composite

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

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

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic		8260 B	RCRA 8 metals	TPH-DRO	PAHs 8270				
89183 01	SB-1 5-6'	12/17/08	0930	G	SO	7/-	1	1				✓	✓	✓	✓				
02	SB-2 5-7'		1000				1	1				✓	✓	✓	✓				
03	SB-3 5-6'		1030				1	1				✓	✓	✓	✓				
04	SB-4 5-5.5'		1100				1	1				✓	✓	✓	✓				
05	SB-5 5-7'		1130				1	1				✓	✓	✓	✓				
06	SB-7 5-7'		1230				1	1				✓	✓	✓	✓				
07	SB-8 5-6.5'		1300				1	1				✓	✓	✓	✓				
08	SB-9 5-7'		1330				1	1				✓	✓	✓	✓				

☐ Fax results when available to (____) _____
☑ E-mail to slow@ecsconsult.com
EDD Format _____

Condition upon receipt: ☐ Iced ☐ Ambient ☐ °C 4.2 REF

Relinquished by:	Received by:	Date:	Time:
Owen Castor	[signature]	12/23/08	10:12
[signature]	Michael [signature]	12/23/08	13:00