Report Date:
25-Jun-12 14:04

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

Brooks Environmental Consulting, LLC
9 Isaac Street
Norwalk, CT 06850
Attn: Mark Granville

Project: Danbury City - Danbury - CT.
Project #: 120368

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SB51176-01	(1) Stadley Rough E.S.	Soil	07-Jun-12 00:00	15-Jun-12 17:30
SB51176-02	(2) Shelter Rocks E.S.	Soil	07-Jun-12 00:00	15-Jun-12 17:30
SB51176-03	(3) Park Ave. E.S.	Soil	06-Jun-12 00:00	15-Jun-12 17:30
SB51176-04	(4) Mill Ridge.	Soil	06-Jun-12 00:00	15-Jun-12 17:30

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

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

Authorized by:

Nicole Leja
Laboratory Director

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 60 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supersedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report are available upon request. This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

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

Reasonable Confidence Protocols
Laboratory Analysis
QA/QC Certification Form

Laboratory Name: Spectrum Analytical, Inc.

Client: Brooks Environmental Consulting, LLC

Project Location: Danbury City - Danbury - CT.

Project Number: 120368

Sampling Date(s):
6/6/2012 through 6/7/2012

Laboratory Sample ID(s):
SB51176-01 through SB51176-04

RCP Methods Used:

CT ETPH
SW846 6010C
SW846 7471B
SW846 8081B
SW846 8260C
SW846 8270D

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	✓ Yes No
1A	Were the method specified preservation and holding time requirements met?	Yes ✓ No
1B	***VPH and EPH methods only***: Was the VPH or EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)?	Yes No
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	✓ Yes No
3	Were samples received at an appropriate temperature?	✓ Yes No
4	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved?	Yes ✓ No
5	a) Were reporting limits specified or referenced on the chain-of-custody? b) Were these reporting limits met?	Yes ✓ No Yes No
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	Yes ✓ No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	✓ Yes No

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

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

Nicole Leja

Nicole Leja
Laboratory Director
Date: 6/25/2012

CASE NARRATIVE:

The samples were received 0.0 degrees Celsius, please refer to the Chain of Custody for details specific to temperature upon receipt. An infrared thermometer with a tolerance of +/- 1.0 degrees Celsius was used immediately upon receipt of the samples.

Low level VOC soil samples submitted in DI water or in an encore sampler were frozen on 6/15/2012 at 17:30.

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

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

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

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

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

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

According to CTDEP RCP Quality Assurance and Quality Control Requirements for VOCs by method 8260, SW-846 version 1, 7/28/05 Table 1A, recovery for some VOC analytes have been deemed potentially difficult.

These samples do not exhibit the characteristics of reactivity as defined in 40 CFR 261.23, sections (1), (2), (4), and (5); however, Spectrum Analytical, Inc. does not test for detonation, explosive reaction or potential, or forbidden explosives as defined in 40 CFR 261.23, sections (3), (6), (7) and (8).

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

Method SW846 5035A is designed to use on samples containing low levels of VOCs, ranging from 0.5 to 200 ug/Kg. Target analytes that are less responsive to purge and trap may be present at concentrations over 200ug/Kg but may not be reportable in the methanol preserved vial (SW846 5030). This is the result of the inherent dilution factor required for the methanol preservation.

For this work order, the reporting limits have not been referenced or specified.

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

SW846 8260C

Calibration:

1206040

Analyte quantified by quadratic equation type calibration.

2-Butanone (MEK)
Bromoform
Naphthalene
trans-1,4-Dichloro-2-butene

SW846 8260C

Calibration:

1206040

This affected the following samples:

(1) Stadley Rough E.S.
(2) Shelter Rocks E.S.
(3) Park Ave. E.S.
(4) Mill Ridge.
1214577-BLK1
1214577-BS1
1214577-BSD1
S207258-ICV1
S207368-CCV1

Laboratory Control Samples:

1214577 BS/BSD

Acetone percent recoveries (122/144) are outside individual acceptance criteria (70-130), but within overall method allowances. All reported results of the following samples are considered to have a potentially high bias:

(1) Stadley Rough E.S.
(2) Shelter Rocks E.S.
(3) Park Ave. E.S.
(4) Mill Ridge.

Tert-Butanol / butyl alcohol percent recoveries (127/133) are outside individual acceptance criteria (70-130), but within overall method allowances. All reported results of the following samples are considered to have a potentially high bias:

(1) Stadley Rough E.S.
(2) Shelter Rocks E.S.
(3) Park Ave. E.S.
(4) Mill Ridge.

Samples:

S207368-CCV1

Analyte percent difference is outside individual acceptance criteria (20), but within overall method allowances.

1,2-Dibromoethane (EDB) (23.5%)
Acetone (22.3%)
Acrylonitrile (26.1%)
Bromochloromethane (20.4%)
Ethanol (24.0%)
Ethyl tert-butyl ether (24.2%)
Methyl tert-butyl ether (21.3%)
Tert-Butanol / butyl alcohol (26.9%)

This affected the following samples:

(1) Stadley Rough E.S.
(2) Shelter Rocks E.S.
(3) Park Ave. E.S.
(4) Mill Ridge.
1214577-BLK1
1214577-BS1
1214577-BSD1

SB51176-01 *(1) Stadley Rough E.S.*

This compound is a common laboratory contaminant.

Methylene chloride

SW846 8270D

Calibration:

1204066

Analyte quantified by quadratic equation type calibration.

2,4-Dinitrophenol
Benzidine

This affected the following samples:

S204927-ICV1

S205829-ICV1

Analyte percent recovery is outside individual acceptance criteria (70-130).

3-Nitroaniline (46%)
Benzidine (56%)

This affected the following samples:

1214507-BLK1
1214507-BS1
S207404-CCV1

Spikes:

1214507-MS1 *Source: SB51176-03*

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

Aniline
Bis(2-chloroisopropyl)ether
Hexachlorocyclopentadiene

Samples:

S207404-CCV1

Analyte percent difference is outside individual acceptance criteria (20), but within overall method allowances.

2,4-Dinitrotoluene (27.4%)
2,6-Dinitrotoluene (27.0%)
Benzyl alcohol (-36.7%)

Analyte percent drift is outside individual acceptance criteria (20), but within overall method allowances.

4,6-Dinitro-2-methylphenol (39.6%)

This affected the following samples:

1214507-BLK1
1214507-BS1

S207433-CCV1

Analyte percent difference is outside individual acceptance criteria (20), but within overall method allowances.

2,6-Dinitrotoluene (43.3%)
2-Methylnaphthalene (35.9%)
3,3´-Dichlorobenzidine (37.0%)
4,6-Dinitro-2-methylphenol (43.4%)
4-Chloroaniline (28.4%)
4-Nitroaniline (44.6%)
Bis(2-chloroisopropyl)ether (-65.2%)

SW846 8270D

Samples:

S207433-CCV1

Analyte percent drift is outside individual acceptance criteria (20), but within overall method allowances.

Benzidine (41.9%)

This affected the following samples:

(1) Stadley Rough E.S.
(2) Shelter Rocks E.S.
(3) Park Ave. E.S.
(4) Mill Ridge.

S207596-CCV1

Analyte percent difference is outside individual acceptance criteria (20), but within overall method allowances.

2,6-Dinitrotoluene (52.4%)
3,3´-Dichlorobenzidine (39.9%)
3-Nitroaniline (33.2%)
4,6-Dinitro-2-methylphenol (49.4%)
4-Chloroaniline (22.1%)
4-Nitroaniline (56.5%)
Benzo (b) fluoranthene (24.2%)
Benzo (k) fluoranthene (-24.2%)
Benzoic acid (51.2%)
Bis(2-chloroisopropyl)ether (-61.5%)

Analyte percent drift is outside individual acceptance criteria (20), but within overall method allowances.

2,4-Dinitrophenol (37.1%)
Benzidine (-57.5%)

This affected the following samples:

1214507-DUP1
1214507-MS1

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
(1) Stadley Rough E.S. SB51176-01	120368	Soil	07-Jun-12 00:00	15-Jun-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
	VOC Extraction	**Lab extracted**		N/A			1	VOC Soil Extraction	18-Jun-12	18-Jun-12	KK	1214429	
Volatile Organic Compounds													
Prepared by method SW846 5035A Soil (low level)						Initial weight: 5.13 g							
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 6.3		µg/kg dry	6.3	4.2	1	SW846 8260C	19-Jun-12	20-Jun-12	JRO	1214577	X
67-64-1	Acetone	< 63.1		µg/kg dry	63.1	47.4	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	< 6.3		µg/kg dry	6.3	5.6	1	"	"	"	"	"	X
71-43-2	Benzene	< 6.3		µg/kg dry	6.3	3.3	1	"	"	"	"	"	X
108-86-1	Bromobenzene	< 6.3		µg/kg dry	6.3	4.0	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 6.3		µg/kg dry	6.3	2.1	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 6.3		µg/kg dry	6.3	2.4	1	"	"	"	"	"	X
75-25-2	Bromoform	< 6.3		µg/kg dry	6.3	4.4	1	"	"	"	"	"	X
74-83-9	Bromomethane	< 12.6		µg/kg dry	12.6	11.4	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 63.1		µg/kg dry	63.1	54.1	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	< 6.3		µg/kg dry	6.3	3.1	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 6.3		µg/kg dry	6.3	6.1	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 6.3		µg/kg dry	6.3	4.6	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 12.6		µg/kg dry	12.6	9.0	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 6.3		µg/kg dry	6.3	6.3	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 6.3		µg/kg dry	6.3	3.5	1	"	"	"	"	"	X
75-00-3	Chloroethane	< 12.6		µg/kg dry	12.6	8.9	1	"	"	"	"	"	X
67-66-3	Chloroform	< 6.3		µg/kg dry	6.3	3.1	1	"	"	"	"	"	X
74-87-3	Chloromethane	< 12.6		µg/kg dry	12.6	3.2	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	< 6.3		µg/kg dry	6.3	3.8	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	< 6.3		µg/kg dry	6.3	5.6	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 12.6		µg/kg dry	12.6	11.9	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 6.3		µg/kg dry	6.3	3.0	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 6.3		µg/kg dry	6.3	3.9	1	"	"	"	"	"	X
74-95-3	Dibromomethane	< 6.3		µg/kg dry	6.3	6.3	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 6.3		µg/kg dry	6.3	5.1	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 6.3		µg/kg dry	6.3	6.3	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 6.3		µg/kg dry	6.3	4.3	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 12.6		µg/kg dry	12.6	10.6	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 6.3		µg/kg dry	6.3	5.8	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 6.3		µg/kg dry	6.3	3.5	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 6.3		µg/kg dry	6.3	3.1	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 6.3		µg/kg dry	6.3	2.6	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 6.3		µg/kg dry	6.3	5.2	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 6.3		µg/kg dry	6.3	3.2	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	< 6.3		µg/kg dry	6.3	3.2	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	< 6.3		µg/kg dry	6.3	2.5	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	< 6.3		µg/kg dry	6.3	3.9	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 6.3		µg/kg dry	6.3	3.4	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 6.3		µg/kg dry	6.3	1.8	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 6.3		µg/kg dry	6.3	3.8	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
(1) Stadley Rough E.S. SB51176-01	120368	Soil	07-Jun-12 00:00	15-Jun-12

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds													
Volatile Organic Compounds													
Prepared by method SW846 5035A Soil (low level)						Initial weight: 5.13 g							
87-68-3	Hexachlorobutadiene	< 6.3		µg/kg dry	6.3	5.4	1	SW846 8260C	19-Jun-12	20-Jun-12	JRO	1214577	X
591-78-6	2-Hexanone (MBK)	< 63.1		µg/kg dry	63.1	16.1	1	"	"	"	"	"	X
98-82-8	Isopropylbenzene	< 6.3		µg/kg dry	6.3	3.2	1	"	"	"	"	"	X
99-87-6	4-Isopropyltoluene	< 6.3		µg/kg dry	6.3	2.6	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 6.3		µg/kg dry	6.3	4.6	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 63.1		µg/kg dry	63.1	20.5	1	"	"	"	"	"	X
75-09-2	Methylene chloride	**12.8**	O01	µg/kg dry	12.6	3.2	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 6.3		µg/kg dry	6.3	3.9	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 6.3		µg/kg dry	6.3	3.8	1	"	"	"	"	"	X
100-42-5	Styrene	< 6.3		µg/kg dry	6.3	4.7	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 6.3		µg/kg dry	6.3	6.1	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 6.3		µg/kg dry	6.3	4.8	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 6.3		µg/kg dry	6.3	3.6	1	"	"	"	"	"	X
108-88-3	Toluene	< 6.3		µg/kg dry	6.3	5.7	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 6.3		µg/kg dry	6.3	5.5	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 6.3		µg/kg dry	6.3	4.7	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	< 6.3		µg/kg dry	6.3	4.5	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 6.3		µg/kg dry	6.3	5.1	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 6.3		µg/kg dry	6.3	5.4	1	"	"	"	"	"	X
79-01-6	Trichloroethene	< 6.3		µg/kg dry	6.3	4.8	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 6.3		µg/kg dry	6.3	2.5	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	< 6.3		µg/kg dry	6.3	2.9	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 6.3		µg/kg dry	6.3	2.1	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 6.3		µg/kg dry	6.3	6.3	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 6.3		µg/kg dry	6.3	5.9	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 12.6		µg/kg dry	12.6	12.2	1	"	"	"	"	"	X
95-47-6	o-Xylene	< 6.3		µg/kg dry	6.3	4.3	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 12.6		µg/kg dry	12.6	11.7	1	"	"	"	"	"	
60-29-7	Ethyl ether	< 6.3		µg/kg dry	6.3	5.9	1	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	< 6.3		µg/kg dry	6.3	5.0	1	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	< 6.3		µg/kg dry	6.3	2.2	1	"	"	"	"	"	
108-20-3	Di-isopropyl ether	< 6.3		µg/kg dry	6.3	2.0	1	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	< 63.1		µg/kg dry	63.1	35.7	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	< 126		µg/kg dry	126	103	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-buten e	< 31.5		µg/kg dry	31.5	16.2	1	"	"	"	"	"	X
64-17-5	Ethanol	< 2520		µg/kg dry	2520	528	1	"	"	"	"	"	
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*94*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*102*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*120*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*106*			*70-130 %*			"	"	"	"	"	

Semivolatile Organic Compounds by GCMS

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
(1) Stadley Rough E.S. SB51176-01	120368	Soil	07-Jun-12 00:00	15-Jun-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GCMS													
Semivolatile Organic Compounds													
Prepared by method SW846 3545A													
83-32-9	Acenaphthene	< 377		µg/kg dry	377	42.0	1	SW846 8270D	19-Jun-12	20-Jun-12	DS	1214507	X
208-96-8	Acenaphthylene	< 377		µg/kg dry	377	42.7	1	"	"	"	"	"	X
62-53-3	Aniline	< 745		µg/kg dry	745	212	1	"	"	"	"	"	X
120-12-7	Anthracene	< 377		µg/kg dry	377	43.8	1	"	"	"	"	"	X
103-33-3	Azobenzene/Diphenyldiazine	< 745		µg/kg dry	745	39.5	1	"	"	"	"	"	
92-87-5	Benzidine	< 745		µg/kg dry	745	289	1	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	< 377		µg/kg dry	377	43.3	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	< 377		µg/kg dry	377	49.2	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	< 377		µg/kg dry	377	44.9	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	< 377		µg/kg dry	377	57.1	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	< 377		µg/kg dry	377	65.9	1	"	"	"	"	"	X
65-85-0	Benzoic acid	< 745		µg/kg dry	745	71.5	1	"	"	"	"	"	X
100-51-6	Benzyl alcohol	< 745		µg/kg dry	745	51.7	1	"	"	"	"	"	X
111-91-1	Bis(2-chloroethoxy)methane	< 745		µg/kg dry	745	35.2	1	"	"	"	"	"	X
111-44-4	Bis(2-chloroethyl)ether	< 377		µg/kg dry	377	38.6	1	"	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	< 377		µg/kg dry	377	57.3	1	"	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	< 377		µg/kg dry	377	33.4	1	"	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	< 745		µg/kg dry	745	44.2	1	"	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	< 745		µg/kg dry	745	36.1	1	"	"	"	"	"	X
86-74-8	Carbazole	< 377		µg/kg dry	377	77.4	1	"	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	< 745		µg/kg dry	745	44.9	1	"	"	"	"	"	X
106-47-8	4-Chloroaniline	< 377		µg/kg dry	377	206	1	"	"	"	"	"	X
91-58-7	2-Chloronaphthalene	< 745		µg/kg dry	745	48.7	1	"	"	"	"	"	X
95-57-8	2-Chlorophenol	< 377		µg/kg dry	377	39.7	1	"	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	< 745		µg/kg dry	745	41.8	1	"	"	"	"	"	X
218-01-9	Chrysene	< 377		µg/kg dry	377	44.5	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	< 377		µg/kg dry	377	51.5	1	"	"	"	"	"	X
132-64-9	Dibenzofuran	< 377		µg/kg dry	377	58.2	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 745		µg/kg dry	745	56.2	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 745		µg/kg dry	745	42.7	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 745		µg/kg dry	745	39.9	1	"	"	"	"	"	X
91-94-1	3,3´-Dichlorobenzidine	< 745		µg/kg dry	745	220	1	"	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	< 377		µg/kg dry	377	37.7	1	"	"	"	"	"	X
84-66-2	Diethyl phthalate	< 745		µg/kg dry	745	42.4	1	"	"	"	"	"	X
131-11-3	Dimethyl phthalate	< 745		µg/kg dry	745	42.9	1	"	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	< 745		µg/kg dry	745	36.1	1	"	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	< 745		µg/kg dry	745	56.4	1	"	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	< 745		µg/kg dry	745	88.0	1	"	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	< 745		µg/kg dry	745	44.5	1	"	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	< 377		µg/kg dry	377	53.3	1	"	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	< 377		µg/kg dry	377	59.1	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
(1) Stadley Rough E.S. SB51176-01	120368	Soil	07-Jun-12 00:00	15-Jun-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GCMS													
Semivolatile Organic Compounds													
Prepared by method SW846 3545A													
117-84-0	Di-n-octyl phthalate	< 745		µg/kg dry	745	70.0	1	SW846 8270D	19-Jun-12	20-Jun-12	DS	1214507	X
206-44-0	Fluoranthene	< 377		µg/kg dry	377	68.2	1	"	"	"	"	"	X
86-73-7	Fluorene	< 377		µg/kg dry	377	47.4	1	"	"	"	"	"	X
118-74-1	Hexachlorobenzene	< 377		µg/kg dry	377	49.6	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 377		µg/kg dry	377	37.0	1	"	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	< 377		µg/kg dry	377	70.4	1	"	"	"	"	"	X
67-72-1	Hexachloroethane	< 377		µg/kg dry	377	43.3	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	< 377		µg/kg dry	377	68.8	1	"	"	"	"	"	X
78-59-1	Isophorone	< 377		µg/kg dry	377	45.8	1	"	"	"	"	"	X
91-57-6	2-Methylnaphthalene	< 377		µg/kg dry	377	44.0	1	"	"	"	"	"	X
95-48-7	2-Methylphenol	< 745		µg/kg dry	745	52.1	1	"	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	< 745		µg/kg dry	745	49.2	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 377		µg/kg dry	377	37.7	1	"	"	"	"	"	X
88-74-4	2-Nitroaniline	< 745		µg/kg dry	745	44.9	1	"	"	"	"	"	X
99-09-2	3-Nitroaniline	< 745		µg/kg dry	745	133	1	"	"	"	"	"	X
100-01-6	4-Nitroaniline	< 377		µg/kg dry	377	60.9	1	"	"	"	"	"	X
98-95-3	Nitrobenzene	< 377		µg/kg dry	377	53.0	1	"	"	"	"	"	X
88-75-5	2-Nitrophenol	< 377		µg/kg dry	377	41.3	1	"	"	"	"	"	X
100-02-7	4-Nitrophenol	< 2980		µg/kg dry	2980	112	1	"	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	< 377		µg/kg dry	377	103	1	"	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	< 377		µg/kg dry	377	50.6	1	"	"	"	"	"	X
86-30-6	N-Nitrosodiphenylamine	< 745		µg/kg dry	745	43.8	1	"	"	"	"	"	X
87-86-5	Pentachlorophenol	< 745		µg/kg dry	745	42.0	1	"	"	"	"	"	X
85-01-8	Phenanthrene	< 377		µg/kg dry	377	42.0	1	"	"	"	"	"	X
108-95-2	Phenol	< 745		µg/kg dry	745	46.7	1	"	"	"	"	"	X
129-00-0	Pyrene	< 377		µg/kg dry	377	74.9	1	"	"	"	"	"	X
110-86-1	Pyridine	< 745		µg/kg dry	745	88.2	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 745		µg/kg dry	745	34.1	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	< 377		µg/kg dry	377	54.6	1	"	"	"	"	"	
95-95-4	2,4,5-Trichlorophenol	< 745		µg/kg dry	745	68.6	1	"	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	< 377		µg/kg dry	377	41.5	1	"	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	< 745		µg/kg dry	745	366	1	"	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	< 745		µg/kg dry	745	45.8	1	"	"	"	"	"	X
Surrogate recoveries:													
321-60-8	*2-Fluorobiphenyl*	*42*			*30-130 %*			"	"	"	"	"	
367-12-4	*2-Fluorophenol*	*47*			*30-130 %*			"	"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*36*			*30-130 %*			"	"	"	"	"	
4165-62-2	*Phenol-d5*	*45*			*30-130 %*			"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*46*			*30-130 %*			"	"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*39*			*30-130 %*			"	"	"	"	"	
Semivolatile Organic Compounds by GC													
Organochlorine Pesticides													
Prepared by method SW846 3545A													

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
(1) Stadley Rough E.S.	120368	Soil	07-Jun-12 00:00	15-Jun-12
SB51176-01				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Organochlorine Pesticides													
Prepared by method SW846 3545A													
319-84-6	alpha-BHC	< 5.69		µg/kg dry	5.69	2.42	1	SW846 8081B	20-Jun-12	22-Jun-12	TG	1214634	X
319-85-7	beta-BHC	< 5.69		µg/kg dry	5.69	2.26	1	"	"	"	"	"	X
319-86-8	delta-BHC	< 5.69		µg/kg dry	5.69	2.65	1	"	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	< 5.69		µg/kg dry	5.69	2.36	1	"	"	"	"	"	X
76-44-8	Heptachlor	< 5.69		µg/kg dry	5.69	2.32	1	"	"	"	"	"	X
309-00-2	Aldrin	< 5.69		µg/kg dry	5.69	5.59	1	"	"	"	"	"	X
1024-57-3	Heptachlor epoxide	< 5.69		µg/kg dry	5.69	2.16	1	"	"	"	"	"	X
959-98-8	Endosulfan I	< 5.69		µg/kg dry	5.69	2.77	1	"	"	"	"	"	X
60-57-1	Dieldrin	< 5.69		µg/kg dry	5.69	1.81	1	"	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	< 5.69		µg/kg dry	5.69	2.18	1	"	"	"	"	"	X
72-20-8	Endrin	< 9.10		µg/kg dry	9.10	3.68	1	"	"	"	"	"	X
33213-65-9	Endosulfan II	< 9.10		µg/kg dry	9.10	4.21	1	"	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	< 9.10		µg/kg dry	9.10	2.74	1	"	"	"	"	"	X
1031-07-8	Endosulfan sulfate	< 9.10		µg/kg dry	9.10	2.41	1	"	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	< 9.10		µg/kg dry	9.10	2.36	1	"	"	"	"	"	X
72-43-5	Methoxychlor	< 9.10		µg/kg dry	9.10	2.81	1	"	"	"	"	"	X
53494-70-5	Endrin ketone	< 9.10		µg/kg dry	9.10	2.75	1	"	"	"	"	"	X
7421-93-4	Endrin aldehyde	< 9.10		µg/kg dry	9.10	2.66	1	"	"	"	"	"	X
5103-71-9	alpha-Chlordane	< 5.69		µg/kg dry	5.69	2.57	1	"	"	"	"	"	X
5566-34-7	gamma-Chlordane	< 5.69		µg/kg dry	5.69	2.29	1	"	"	"	"	"	X
8001-35-2	Toxaphene	< 114		µg/kg dry	114	107	1	"	"	"	"	"	X
57-74-9	Chlordane	< 22.8		µg/kg dry	22.8	20.2	1	"	"	"	"	"	X
15972-60-8	Alachlor	< 5.69		µg/kg dry	5.69	3.37	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*56*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*45*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*55*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*43*			*30-150 %*			"	"	"	"	"	
Extractable Petroleum Hydrocarbons													
Extractable Total Petroleum Hydrocarbons													
Prepared by method SW846 3545A													
8006-61-9	Gasoline	< 15.0		mg/kg dry	15.0	0.8	1	CT ETPH	19-Jun-12	21-Jun-12	SEW	1214499	
68476-30-2	Fuel Oil #2	< 15.0		mg/kg dry	15.0	1.5	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	< 15.0		mg/kg dry	15.0	1.5	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	< 15.0		mg/kg dry	15.0	3.8	1	"	"	"	"	"	
M09800000	Motor Oil	< 15.0		mg/kg dry	15.0	1.5	1	"	"	"	"	"	
J00100000	Aviation Fuel	< 15.0		mg/kg dry	15.0	3.8	1	"	"	"	"	"	
	Unidentified	< 15.0		mg/kg dry	15.0	3.8	1	"	"	"	"	"	
	Other Oil	< 15.0		mg/kg dry	15.0	1.5	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	< 15.0		mg/kg dry	15.0	1.5	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	< 15.0		mg/kg dry	15.0	1.2	1	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
(1) Stadley Rough E.S. SB51176-01	120368	Soil	07-Jun-12 00:00	15-Jun-12

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Extractable Petroleum Hydrocarbons													
Extractable Total Petroleum Hydrocarbons													
Prepared by method SW846 3545A													
Surrogate recoveries:													
3386-33-2	*1-Chlorooctadecane*	*76*			*50-150 %*			CT ETPH	19-Jun-12	21-Jun-12	SEW	1214499	
Total Metals by EPA 6000/7000 Series Methods													
7440-22-4	Silver	< 1.57		mg/kg dry	1.57	0.241	1	SW846 6010C	19-Jun-12	20-Jun-12	EDT	1214515	X
7440-38-2	Arsenic	< 1.57		mg/kg dry	1.57	0.252	1	"	"	"	"	"	X
7440-39-3	Barium	**105**		mg/kg dry	1.04	0.252	1	"	"	"	"	"	X
7440-43-9	Cadmium	< 0.522		mg/kg dry	0.522	0.0577	1	"	"	"	"	"	X
7440-47-3	Chromium	**21.7**		mg/kg dry	1.04	0.381	1	"	"	"	"	"	X
7439-97-6	Mercury	< 0.0338		mg/kg dry	0.0338	0.0069	1	SW846 7471B	"	19-Jun-12	JLM	1214517	X
7439-92-1	Lead	**5.93**		mg/kg dry	1.57	0.186	1	SW846 6010C	"	20-Jun-12	EDT	1214515	X
7782-49-2	Selenium	< 1.57		mg/kg dry	1.57	0.232	1	"	"	"	"	"	X
General Chemistry Parameters													
	% Solids	**87.3**		%			1	SM2540 G Mod.	19-Jun-12	19-Jun-12	KK	1214531	
	Specific Conductance (EC)	**142**		uS/cm	10.0	10.0	1	SM2510B	19-Jun-12	19-Jun-12	BD	1214526	
Toxicity Characteristics													
Reactivity Cyanide/Sulfide													
Prepared by method General Preparation													
	Reactivity	**Nonreactive**		mg/kg dry			1	SW846 Ch. 7.3	19-Jun-12	19-Jun-12	BD	1214598	X
	Reactive Cyanide	< 24.2		mg/kg dry	24.2	2.42	1	"	"	"	"	"	X
	Reactive Sulfide	< 48.4		mg/kg dry	48.4	4.84	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
(2) Shelter Rocks E.S. SB51176-02	120368	Soil	07-Jun-12 00:00	15-Jun-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
	VOC Extraction	**Lab extracted**		N/A			1	VOC Soil Extraction	18-Jun-12	18-Jun-12	KK	1214429	
Volatile Organic Compounds													
Prepared by method SW846 5035A Soil (low level)						Initial weight: 4.47 g							
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 6.7		µg/kg dry	6.7	4.5	1	SW846 8260C	19-Jun-12	20-Jun-12	JRO	1214577	X
67-64-1	Acetone	< 67.1		µg/kg dry	67.1	50.4	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	< 6.7		µg/kg dry	6.7	6.0	1	"	"	"	"	"	X
71-43-2	Benzene	< 6.7		µg/kg dry	6.7	3.5	1	"	"	"	"	"	X
108-86-1	Bromobenzene	< 6.7		µg/kg dry	6.7	4.3	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 6.7		µg/kg dry	6.7	2.2	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 6.7		µg/kg dry	6.7	2.5	1	"	"	"	"	"	X
75-25-2	Bromoform	< 6.7		µg/kg dry	6.7	4.6	1	"	"	"	"	"	X
74-83-9	Bromomethane	< 13.4		µg/kg dry	13.4	12.1	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 67.1		µg/kg dry	67.1	57.5	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	< 6.7		µg/kg dry	6.7	3.3	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 6.7		µg/kg dry	6.7	6.5	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 6.7		µg/kg dry	6.7	4.8	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 13.4		µg/kg dry	13.4	9.6	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 6.7		µg/kg dry	6.7	6.7	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 6.7		µg/kg dry	6.7	3.7	1	"	"	"	"	"	X
75-00-3	Chloroethane	< 13.4		µg/kg dry	13.4	9.5	1	"	"	"	"	"	X
67-66-3	Chloroform	< 6.7		µg/kg dry	6.7	3.3	1	"	"	"	"	"	X
74-87-3	Chloromethane	< 13.4		µg/kg dry	13.4	3.4	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	< 6.7		µg/kg dry	6.7	4.1	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	< 6.7		µg/kg dry	6.7	6.0	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 13.4		µg/kg dry	13.4	12.7	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 6.7		µg/kg dry	6.7	3.2	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 6.7		µg/kg dry	6.7	4.2	1	"	"	"	"	"	X
74-95-3	Dibromomethane	< 6.7		µg/kg dry	6.7	6.7	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 6.7		µg/kg dry	6.7	5.4	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 6.7		µg/kg dry	6.7	6.7	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 6.7		µg/kg dry	6.7	4.5	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 13.4		µg/kg dry	13.4	11.3	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 6.7		µg/kg dry	6.7	6.1	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 6.7		µg/kg dry	6.7	3.7	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 6.7		µg/kg dry	6.7	3.3	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 6.7		µg/kg dry	6.7	2.8	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 6.7		µg/kg dry	6.7	5.6	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 6.7		µg/kg dry	6.7	3.4	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	< 6.7		µg/kg dry	6.7	3.4	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	< 6.7		µg/kg dry	6.7	2.7	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	< 6.7		µg/kg dry	6.7	4.1	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 6.7		µg/kg dry	6.7	3.7	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 6.7		µg/kg dry	6.7	1.9	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 6.7		µg/kg dry	6.7	4.1	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
(2) Shelter Rocks E.S. SB51176-02	120368	Soil	07-Jun-12 00:00	15-Jun-12

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds													
Volatile Organic Compounds													
Prepared by method SW846 5035A Soil (low level)						Initial weight: 4.47 g							
87-68-3	Hexachlorobutadiene	< 6.7		µg/kg dry	6.7	5.8	1	SW846 8260C	19-Jun-12	20-Jun-12	JRO	1214577	X
591-78-6	2-Hexanone (MBK)	< 67.1		µg/kg dry	67.1	17.1	1	"	"	"	"	"	X
98-82-8	Isopropylbenzene	< 6.7		µg/kg dry	6.7	3.4	1	"	"	"	"	"	X
99-87-6	4-Isopropyltoluene	< 6.7		µg/kg dry	6.7	2.8	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 6.7		µg/kg dry	6.7	4.9	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 67.1		µg/kg dry	67.1	21.8	1	"	"	"	"	"	X
75-09-2	Methylene chloride	< 13.4		µg/kg dry	13.4	3.4	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 6.7		µg/kg dry	6.7	4.2	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 6.7		µg/kg dry	6.7	4.0	1	"	"	"	"	"	X
100-42-5	Styrene	< 6.7		µg/kg dry	6.7	5.0	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 6.7		µg/kg dry	6.7	6.4	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 6.7		µg/kg dry	6.7	5.1	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 6.7		µg/kg dry	6.7	3.8	1	"	"	"	"	"	X
108-88-3	Toluene	< 6.7		µg/kg dry	6.7	6.0	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 6.7		µg/kg dry	6.7	5.8	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 6.7		µg/kg dry	6.7	5.0	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	< 6.7		µg/kg dry	6.7	4.7	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 6.7		µg/kg dry	6.7	5.4	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 6.7		µg/kg dry	6.7	5.8	1	"	"	"	"	"	X
79-01-6	Trichloroethene	< 6.7		µg/kg dry	6.7	5.1	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 6.7		µg/kg dry	6.7	2.7	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	< 6.7		µg/kg dry	6.7	3.0	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 6.7		µg/kg dry	6.7	2.2	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 6.7		µg/kg dry	6.7	6.6	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 6.7		µg/kg dry	6.7	6.3	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 13.4		µg/kg dry	13.4	13.0	1	"	"	"	"	"	X
95-47-6	o-Xylene	< 6.7		µg/kg dry	6.7	4.6	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 13.4		µg/kg dry	13.4	12.4	1	"	"	"	"	"	
60-29-7	Ethyl ether	< 6.7		µg/kg dry	6.7	6.3	1	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	< 6.7		µg/kg dry	6.7	5.3	1	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	< 6.7		µg/kg dry	6.7	2.3	1	"	"	"	"	"	
108-20-3	Di-isopropyl ether	< 6.7		µg/kg dry	6.7	2.2	1	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	< 67.1		µg/kg dry	67.1	38.0	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	< 134		µg/kg dry	134	110	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-buten e	< 33.5		µg/kg dry	33.5	17.2	1	"	"	"	"	"	X
64-17-5	Ethanol	< 2680		µg/kg dry	2680	561	1	"	"	"	"	"	
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*96*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*103*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*122*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*104*			*70-130 %*			"	"	"	"	"	

Semivolatile Organic Compounds by GCMS

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
(2) Shelter Rocks E.S. SB51176-02	120368	Soil	07-Jun-12 00:00	15-Jun-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GCMS													
Semivolatile Organic Compounds													
Prepared by method SW846 3545A													
83-32-9	Acenaphthene	< 363		µg/kg dry	363	40.4	1	SW846 8270D	19-Jun-12	20-Jun-12	DS	1214507	X
208-96-8	Acenaphthylene	< 363		µg/kg dry	363	41.1	1	"	"	"	"	"	X
62-53-3	Aniline	< 717		µg/kg dry	717	204	1	"	"	"	"	"	X
120-12-7	Anthracene	< 363		µg/kg dry	363	42.1	1	"	"	"	"	"	X
103-33-3	Azobenzene/Diphenyldiazine	< 717		µg/kg dry	717	38.0	1	"	"	"	"	"	
92-87-5	Benzidine	< 717		µg/kg dry	717	278	1	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	< 363		µg/kg dry	363	41.7	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	< 363		µg/kg dry	363	47.4	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	< 363		µg/kg dry	363	43.2	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	< 363		µg/kg dry	363	55.0	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	< 363		µg/kg dry	363	63.4	1	"	"	"	"	"	X
65-85-0	Benzoic acid	< 717		µg/kg dry	717	68.9	1	"	"	"	"	"	X
100-51-6	Benzyl alcohol	< 717		µg/kg dry	717	49.8	1	"	"	"	"	"	X
111-91-1	Bis(2-chloroethoxy)methane	< 717		µg/kg dry	717	33.9	1	"	"	"	"	"	X
111-44-4	Bis(2-chloroethyl)ether	< 363		µg/kg dry	363	37.1	1	"	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	< 363		µg/kg dry	363	55.2	1	"	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	< 363		µg/kg dry	363	32.2	1	"	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	< 717		µg/kg dry	717	42.6	1	"	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	< 717		µg/kg dry	717	34.8	1	"	"	"	"	"	X
86-74-8	Carbazole	< 363		µg/kg dry	363	74.5	1	"	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	< 717		µg/kg dry	717	43.2	1	"	"	"	"	"	X
106-47-8	4-Chloroaniline	< 363		µg/kg dry	363	198	1	"	"	"	"	"	X
91-58-7	2-Chloronaphthalene	< 717		µg/kg dry	717	46.9	1	"	"	"	"	"	X
95-57-8	2-Chlorophenol	< 363		µg/kg dry	363	38.2	1	"	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	< 717		µg/kg dry	717	40.2	1	"	"	"	"	"	X
218-01-9	Chrysene	< 363		µg/kg dry	363	42.8	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	< 363		µg/kg dry	363	49.5	1	"	"	"	"	"	X
132-64-9	Dibenzofuran	< 363		µg/kg dry	363	56.1	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 717		µg/kg dry	717	54.1	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 717		µg/kg dry	717	41.1	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 717		µg/kg dry	717	38.5	1	"	"	"	"	"	X
91-94-1	3,3´-Dichlorobenzidine	< 717		µg/kg dry	717	211	1	"	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	< 363		µg/kg dry	363	36.3	1	"	"	"	"	"	X
84-66-2	Diethyl phthalate	< 717		µg/kg dry	717	40.8	1	"	"	"	"	"	X
131-11-3	Dimethyl phthalate	< 717		µg/kg dry	717	41.3	1	"	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	< 717		µg/kg dry	717	34.8	1	"	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	< 717		µg/kg dry	717	54.3	1	"	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	< 717		µg/kg dry	717	84.7	1	"	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	< 717		µg/kg dry	717	42.8	1	"	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	< 363		µg/kg dry	363	51.3	1	"	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	< 363		µg/kg dry	363	56.9	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
(2) Shelter Rocks E.S. SB51176-02	120368	Soil	07-Jun-12 00:00	15-Jun-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GCMS													
Semivolatile Organic Compounds													
Prepared by method SW846 3545A													
117-84-0	Di-n-octyl phthalate	< 717		µg/kg dry	717	67.3	1	SW846 8270D	19-Jun-12	20-Jun-12	DS	1214507	X
206-44-0	Fluoranthene	< 363		µg/kg dry	363	65.6	1	"	"	"	"	"	X
86-73-7	Fluorene	< 363		µg/kg dry	363	45.6	1	"	"	"	"	"	X
118-74-1	Hexachlorobenzene	< 363		µg/kg dry	363	47.8	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 363		µg/kg dry	363	35.6	1	"	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	< 363		µg/kg dry	363	67.8	1	"	"	"	"	"	X
67-72-1	Hexachloroethane	< 363		µg/kg dry	363	41.7	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	< 363		µg/kg dry	363	66.3	1	"	"	"	"	"	X
78-59-1	Isophorone	< 363		µg/kg dry	363	44.1	1	"	"	"	"	"	X
91-57-6	2-Methylnaphthalene	< 363		µg/kg dry	363	42.4	1	"	"	"	"	"	X
95-48-7	2-Methylphenol	< 717		µg/kg dry	717	50.2	1	"	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	< 717		µg/kg dry	717	47.4	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 363		µg/kg dry	363	36.3	1	"	"	"	"	"	X
88-74-4	2-Nitroaniline	< 717		µg/kg dry	717	43.2	1	"	"	"	"	"	X
99-09-2	3-Nitroaniline	< 717		µg/kg dry	717	128	1	"	"	"	"	"	X
100-01-6	4-Nitroaniline	< 363		µg/kg dry	363	58.7	1	"	"	"	"	"	X
98-95-3	Nitrobenzene	< 363		µg/kg dry	363	51.1	1	"	"	"	"	"	X
88-75-5	2-Nitrophenol	< 363		µg/kg dry	363	39.8	1	"	"	"	"	"	X
100-02-7	4-Nitrophenol	< 2870		µg/kg dry	2870	108	1	"	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	< 363		µg/kg dry	363	99.1	1	"	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	< 363		µg/kg dry	363	48.7	1	"	"	"	"	"	X
86-30-6	N-Nitrosodiphenylamine	< 717		µg/kg dry	717	42.1	1	"	"	"	"	"	X
87-86-5	Pentachlorophenol	< 717		µg/kg dry	717	40.4	1	"	"	"	"	"	X
85-01-8	Phenanthrene	< 363		µg/kg dry	363	40.4	1	"	"	"	"	"	X
108-95-2	Phenol	< 717		µg/kg dry	717	45.0	1	"	"	"	"	"	X
129-00-0	Pyrene	< 363		µg/kg dry	363	72.1	1	"	"	"	"	"	X
110-86-1	Pyridine	< 717		µg/kg dry	717	84.9	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 717		µg/kg dry	717	32.8	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	< 363		µg/kg dry	363	52.6	1	"	"	"	"	"	
95-95-4	2,4,5-Trichlorophenol	< 717		µg/kg dry	717	66.0	1	"	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	< 363		µg/kg dry	363	40.0	1	"	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	< 717		µg/kg dry	717	352	1	"	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	< 717		µg/kg dry	717	44.1	1	"	"	"	"	"	X
Surrogate recoveries:													
321-60-8	*2-Fluorobiphenyl*	*58*			*30-130 %*			"	"	"	"	"	
367-12-4	*2-Fluorophenol*	*74*			*30-130 %*			"	"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*49*			*30-130 %*			"	"	"	"	"	
4165-62-2	*Phenol-d5*	*62*			*30-130 %*			"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*71*			*30-130 %*			"	"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*56*			*30-130 %*			"	"	"	"	"	
Semivolatile Organic Compounds by GC													
Organochlorine Pesticides													
Prepared by method SW846 3545A													

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
(2) Shelter Rocks E.S. SB51176-02	120368	Soil	07-Jun-12 00:00	15-Jun-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Organochlorine Pesticides													
Prepared by method SW846 3545A													
319-84-6	alpha-BHC	< 5.41		µg/kg dry	5.41	2.31	1	SW846 8081B	20-Jun-12	22-Jun-12	TG	1214634	X
319-85-7	beta-BHC	< 5.41		µg/kg dry	5.41	2.16	1	"	"	"	"	"	X
319-86-8	delta-BHC	< 5.41		µg/kg dry	5.41	2.52	1	"	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	< 5.41		µg/kg dry	5.41	2.24	1	"	"	"	"	"	X
76-44-8	Heptachlor	< 5.41		µg/kg dry	5.41	2.21	1	"	"	"	"	"	X
309-00-2	Aldrin	< 5.41		µg/kg dry	5.41	5.32	1	"	"	"	"	"	X
1024-57-3	Heptachlor epoxide	< 5.41		µg/kg dry	5.41	2.06	1	"	"	"	"	"	X
959-98-8	Endosulfan I	< 5.41		µg/kg dry	5.41	2.63	1	"	"	"	"	"	X
60-57-1	Dieldrin	< 5.41		µg/kg dry	5.41	1.72	1	"	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	< 5.41		µg/kg dry	5.41	2.08	1	"	"	"	"	"	X
72-20-8	Endrin	< 8.66		µg/kg dry	8.66	3.50	1	"	"	"	"	"	X
33213-65-9	Endosulfan II	< 8.66		µg/kg dry	8.66	4.01	1	"	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	< 8.66		µg/kg dry	8.66	2.61	1	"	"	"	"	"	X
1031-07-8	Endosulfan sulfate	< 8.66		µg/kg dry	8.66	2.30	1	"	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	< 8.66		µg/kg dry	8.66	2.24	1	"	"	"	"	"	X
72-43-5	Methoxychlor	< 8.66		µg/kg dry	8.66	2.67	1	"	"	"	"	"	X
53494-70-5	Endrin ketone	< 8.66		µg/kg dry	8.66	2.62	1	"	"	"	"	"	X
7421-93-4	Endrin aldehyde	< 8.66		µg/kg dry	8.66	2.53	1	"	"	"	"	"	X
5103-71-9	alpha-Chlordane	< 5.41		µg/kg dry	5.41	2.45	1	"	"	"	"	"	X
5566-34-7	gamma-Chlordane	< 5.41		µg/kg dry	5.41	2.18	1	"	"	"	"	"	X
8001-35-2	Toxaphene	< 108		µg/kg dry	108	101	1	"	"	"	"	"	X
57-74-9	Chlordane	< 21.7		µg/kg dry	21.7	19.2	1	"	"	"	"	"	X
15972-60-8	Alachlor	< 5.41		µg/kg dry	5.41	3.21	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*50*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*45*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*52*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*42*			*30-150 %*			"	"	"	"	"	
Extractable Petroleum Hydrocarbons													
Extractable Total Petroleum Hydrocarbons													
Prepared by method SW846 3545A													
8006-61-9	Gasoline	< 14.4		mg/kg dry	14.4	0.7	1	CT ETPH	19-Jun-12	23-Jun-12	SEW	1214499	
68476-30-2	Fuel Oil #2	< 14.4		mg/kg dry	14.4	1.4	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	< 14.4		mg/kg dry	14.4	1.4	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	< 14.4		mg/kg dry	14.4	3.6	1	"	"	"	"	"	
M09800000	Motor Oil	< 14.4		mg/kg dry	14.4	1.4	1	"	"	"	"	"	
J00100000	Aviation Fuel	< 14.4		mg/kg dry	14.4	3.6	1	"	"	"	"	"	
	Unidentified	< 14.4		mg/kg dry	14.4	3.6	1	"	"	"	"	"	
	Other Oil	< 14.4		mg/kg dry	14.4	1.4	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	< 14.4		mg/kg dry	14.4	1.4	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	< 14.4		mg/kg dry	14.4	1.1	1	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
(2) Shelter Rocks E.S. SB51176-02	120368	Soil	07-Jun-12 00:00	15-Jun-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Extractable Petroleum Hydrocarbons													
Extractable Total Petroleum Hydrocarbons													
Prepared by method SW846 3545A													
Surrogate recoveries:													
3386-33-2	*1-Chlorooctadecane*	*96*			*50-150 %*			CT ETPH	19-Jun-12	23-Jun-12	SEW	1214499	
Total Metals by EPA 6000/7000 Series Methods													
7440-22-4	Silver	< 1.46		mg/kg dry	1.46	0.224	1	SW846 6010C	19-Jun-12	20-Jun-12	EDT	1214515	X
7440-38-2	Arsenic	< 1.46		mg/kg dry	1.46	0.234	1	"	"	"	"	"	X
7440-39-3	Barium	**127**		mg/kg dry	0.970	0.234	1	"	"	"	"	"	X
7440-43-9	Cadmium	< 0.485		mg/kg dry	0.485	0.0536	1	"	"	"	"	"	X
7440-47-3	Chromium	**21.8**		mg/kg dry	0.970	0.354	1	"	"	"	"	"	X
7439-97-6	Mercury	< 0.0322		mg/kg dry	0.0322	0.0066	1	SW846 7471B	"	19-Jun-12	JLM	1214517	X
7439-92-1	Lead	**4.41**		mg/kg dry	1.46	0.173	1	SW846 6010C	"	20-Jun-12	EDT	1214515	X
7782-49-2	Selenium	< 1.46		mg/kg dry	1.46	0.215	1	"	"	"	"	"	X
General Chemistry Parameters													
	% Solids	**90.5**		%			1	SM2540 G Mod.	19-Jun-12	19-Jun-12	KK	1214531	
	Specific Conductance (EC)	**120**		uS/cm	10.0	10.0	1	SM2510B	19-Jun-12	19-Jun-12	BD	1214526	
Toxicity Characteristics													
Reactivity Cyanide/Sulfide													
Prepared by method General Preparation													
	Reactivity	**Nonreactive**		mg/kg dry			1	SW846 Ch. 7.3	19-Jun-12	19-Jun-12	BD	1214598	X
	Reactive Cyanide	< 24.3		mg/kg dry	24.3	2.43	1	"	"	"	"	"	X
	Reactive Sulfide	< 48.7		mg/kg dry	48.7	4.87	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
(3) Park Ave. E.S. SB51176-03	120368	Soil	06-Jun-12 00:00	15-Jun-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
	VOC Extraction	**Lab extracted**		N/A			1	VOC Soil Extraction	18-Jun-12	18-Jun-12	KK	1214429	
Volatile Organic Compounds													
Prepared by method SW846 5035A Soil (low level)						Initial weight: 5.57 g							
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 5.7		µg/kg dry	5.7	3.8	1	SW846 8260C	19-Jun-12	20-Jun-12	JRO	1214577	X
67-64-1	Acetone	< 56.7		µg/kg dry	56.7	42.6	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	< 5.7		µg/kg dry	5.7	5.1	1	"	"	"	"	"	X
71-43-2	Benzene	< 5.7		µg/kg dry	5.7	3.0	1	"	"	"	"	"	X
108-86-1	Bromobenzene	< 5.7		µg/kg dry	5.7	3.6	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 5.7		µg/kg dry	5.7	1.9	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 5.7		µg/kg dry	5.7	2.1	1	"	"	"	"	"	X
75-25-2	Bromoform	< 5.7		µg/kg dry	5.7	3.9	1	"	"	"	"	"	X
74-83-9	Bromomethane	< 11.3		µg/kg dry	11.3	10.2	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 56.7		µg/kg dry	56.7	48.6	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	< 5.7		µg/kg dry	5.7	2.8	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 5.7		µg/kg dry	5.7	5.5	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 5.7		µg/kg dry	5.7	4.1	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 11.3		µg/kg dry	11.3	8.1	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 5.7		µg/kg dry	5.7	5.6	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 5.7		µg/kg dry	5.7	3.2	1	"	"	"	"	"	X
75-00-3	Chloroethane	< 11.3		µg/kg dry	11.3	8.0	1	"	"	"	"	"	X
67-66-3	Chloroform	< 5.7		µg/kg dry	5.7	2.8	1	"	"	"	"	"	X
74-87-3	Chloromethane	< 11.3		µg/kg dry	11.3	2.9	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	< 5.7		µg/kg dry	5.7	3.5	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	< 5.7		µg/kg dry	5.7	5.1	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 11.3		µg/kg dry	11.3	10.7	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 5.7		µg/kg dry	5.7	2.7	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 5.7		µg/kg dry	5.7	3.5	1	"	"	"	"	"	X
74-95-3	Dibromomethane	< 5.7		µg/kg dry	5.7	5.7	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 5.7		µg/kg dry	5.7	4.6	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 5.7		µg/kg dry	5.7	5.6	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 5.7		µg/kg dry	5.7	3.8	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 11.3		µg/kg dry	11.3	9.6	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 5.7		µg/kg dry	5.7	5.2	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 5.7		µg/kg dry	5.7	3.2	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 5.7		µg/kg dry	5.7	2.8	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 5.7		µg/kg dry	5.7	2.4	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 5.7		µg/kg dry	5.7	4.7	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 5.7		µg/kg dry	5.7	2.9	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	< 5.7		µg/kg dry	5.7	2.9	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	< 5.7		µg/kg dry	5.7	2.3	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	< 5.7		µg/kg dry	5.7	3.5	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 5.7		µg/kg dry	5.7	3.1	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 5.7		µg/kg dry	5.7	1.6	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 5.7		µg/kg dry	5.7	3.5	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
(3) Park Ave. E.S. SB51176-03	120368	Soil	06-Jun-12 00:00	15-Jun-12

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds													
Volatile Organic Compounds													
Prepared by method SW846 5035A Soil (low level)						Initial weight: 5.57 g							
87-68-3	Hexachlorobutadiene	< 5.7		µg/kg dry	5.7	4.9	1	SW846 8260C	19-Jun-12	20-Jun-12	JRO	1214577	X
591-78-6	2-Hexanone (MBK)	< 56.7		µg/kg dry	56.7	14.5	1	"	"	"	"	"	X
98-82-8	Isopropylbenzene	< 5.7		µg/kg dry	5.7	2.8	1	"	"	"	"	"	X
99-87-6	4-Isopropyltoluene	< 5.7		µg/kg dry	5.7	2.3	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 5.7		µg/kg dry	5.7	4.1	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 56.7		µg/kg dry	56.7	18.4	1	"	"	"	"	"	X
75-09-2	Methylene chloride	< 11.3		µg/kg dry	11.3	2.9	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 5.7		µg/kg dry	5.7	3.5	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 5.7		µg/kg dry	5.7	3.4	1	"	"	"	"	"	X
100-42-5	Styrene	< 5.7		µg/kg dry	5.7	4.2	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 5.7		µg/kg dry	5.7	5.4	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 5.7		µg/kg dry	5.7	4.3	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 5.7		µg/kg dry	5.7	3.2	1	"	"	"	"	"	X
108-88-3	Toluene	< 5.7		µg/kg dry	5.7	5.1	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 5.7		µg/kg dry	5.7	4.9	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 5.7		µg/kg dry	5.7	4.3	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	< 5.7		µg/kg dry	5.7	4.0	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 5.7		µg/kg dry	5.7	4.5	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 5.7		µg/kg dry	5.7	4.9	1	"	"	"	"	"	X
79-01-6	Trichloroethene	< 5.7		µg/kg dry	5.7	4.3	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 5.7		µg/kg dry	5.7	2.3	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	< 5.7		µg/kg dry	5.7	2.6	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 5.7		µg/kg dry	5.7	1.9	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 5.7		µg/kg dry	5.7	5.6	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 5.7		µg/kg dry	5.7	5.3	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 11.3		µg/kg dry	11.3	11.0	1	"	"	"	"	"	X
95-47-6	o-Xylene	< 5.7		µg/kg dry	5.7	3.9	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 11.3		µg/kg dry	11.3	10.5	1	"	"	"	"	"	
60-29-7	Ethyl ether	< 5.7		µg/kg dry	5.7	5.3	1	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	< 5.7		µg/kg dry	5.7	4.5	1	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	< 5.7		µg/kg dry	5.7	2.0	1	"	"	"	"	"	
108-20-3	Di-isopropyl ether	< 5.7		µg/kg dry	5.7	1.8	1	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	< 56.7		µg/kg dry	56.7	32.1	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	< 113		µg/kg dry	113	92.8	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-buten e	< 28.3		µg/kg dry	28.3	14.5	1	"	"	"	"	"	X
64-17-5	Ethanol	< 2270		µg/kg dry	2270	474	1	"	"	"	"	"	
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*95*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*104*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*123*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*107*			*70-130 %*			"	"	"	"	"	
Semivolatile Organic Compounds by GCMS													

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
(3) Park Ave. E.S. SB51176-03	120368	Soil	06-Jun-12 00:00	15-Jun-12

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GCMS													
Semivolatile Organic Compounds													
Prepared by method SW846 3545A													
83-32-9	Acenaphthene	< 374		µg/kg dry	374	41.7	1	SW846 8270D	19-Jun-12	20-Jun-12	DS	1214507	X
208-96-8	Acenaphthylene	< 374		µg/kg dry	374	42.3	1	"	"	"	"	"	X
62-53-3	Aniline	< 739		µg/kg dry	739	210	1	"	"	"	"	"	X
120-12-7	Anthracene	< 374		µg/kg dry	374	43.5	1	"	"	"	"	"	X
103-33-3	Azobenzene/Diphenyldiazine	< 739		µg/kg dry	739	39.2	1	"	"	"	"	"	
92-87-5	Benzidine	< 739		µg/kg dry	739	287	1	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	< 374		µg/kg dry	374	43.0	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	< 374		µg/kg dry	374	48.8	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	< 374		µg/kg dry	374	44.6	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	< 374		µg/kg dry	374	56.7	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	< 374		µg/kg dry	374	65.4	1	"	"	"	"	"	X
65-85-0	Benzoic acid	< 739		µg/kg dry	739	71.0	1	"	"	"	"	"	X
100-51-6	Benzyl alcohol	< 739		µg/kg dry	739	51.3	1	"	"	"	"	"	X
111-91-1	Bis(2-chloroethoxy)methane	< 739		µg/kg dry	739	35.0	1	"	"	"	"	"	X
111-44-4	Bis(2-chloroethyl)ether	< 374		µg/kg dry	374	38.3	1	"	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	< 374		µg/kg dry	374	56.9	1	"	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	< 374		µg/kg dry	374	33.2	1	"	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	< 739		µg/kg dry	739	43.9	1	"	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	< 739		µg/kg dry	739	35.8	1	"	"	"	"	"	X
86-74-8	Carbazole	< 374		µg/kg dry	374	76.8	1	"	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	< 739		µg/kg dry	739	44.6	1	"	"	"	"	"	X
106-47-8	4-Chloroaniline	< 374		µg/kg dry	374	204	1	"	"	"	"	"	X
91-58-7	2-Chloronaphthalene	< 739		µg/kg dry	739	48.4	1	"	"	"	"	"	X
95-57-8	2-Chlorophenol	< 374		µg/kg dry	374	39.4	1	"	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	< 739		µg/kg dry	739	41.4	1	"	"	"	"	"	X
218-01-9	Chrysene	< 374		µg/kg dry	374	44.1	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	< 374		µg/kg dry	374	51.1	1	"	"	"	"	"	X
132-64-9	Dibenzofuran	< 374		µg/kg dry	374	57.8	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 739		µg/kg dry	739	55.8	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 739		µg/kg dry	739	42.3	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 739		µg/kg dry	739	39.7	1	"	"	"	"	"	X
91-94-1	3,3´-Dichlorobenzidine	< 739		µg/kg dry	739	218	1	"	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	< 374		µg/kg dry	374	37.4	1	"	"	"	"	"	X
84-66-2	Diethyl phthalate	< 739		µg/kg dry	739	42.1	1	"	"	"	"	"	X
131-11-3	Dimethyl phthalate	< 739		µg/kg dry	739	42.6	1	"	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	< 739		µg/kg dry	739	35.8	1	"	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	< 739		µg/kg dry	739	56.0	1	"	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	< 739		µg/kg dry	739	87.4	1	"	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	< 739		µg/kg dry	739	44.1	1	"	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	< 374		µg/kg dry	374	52.9	1	"	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	< 374		µg/kg dry	374	58.7	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
(3) Park Ave. E.S. SB51176-03	120368	Soil	06-Jun-12 00:00	15-Jun-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GCMS													
Semivolatile Organic Compounds													
Prepared by method SW846 3545A													
117-84-0	Di-n-octyl phthalate	< 739		µg/kg dry	739	69.5	1	SW846 8270D	19-Jun-12	20-Jun-12	DS	1214507	X
206-44-0	Fluoranthene	< 374		µg/kg dry	374	67.7	1	"	"	"	"	"	X
86-73-7	Fluorene	< 374		µg/kg dry	374	47.0	1	"	"	"	"	"	X
118-74-1	Hexachlorobenzene	< 374		µg/kg dry	374	49.3	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 374		µg/kg dry	374	36.7	1	"	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	< 374		µg/kg dry	374	69.9	1	"	"	"	"	"	X
67-72-1	Hexachloroethane	< 374		µg/kg dry	374	43.0	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	< 374		µg/kg dry	374	68.3	1	"	"	"	"	"	X
78-59-1	Isophorone	< 374		µg/kg dry	374	45.5	1	"	"	"	"	"	X
91-57-6	2-Methylnaphthalene	< 374		µg/kg dry	374	43.7	1	"	"	"	"	"	X
95-48-7	2-Methylphenol	< 739		µg/kg dry	739	51.8	1	"	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	< 739		µg/kg dry	739	48.8	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 374		µg/kg dry	374	37.4	1	"	"	"	"	"	X
88-74-4	2-Nitroaniline	< 739		µg/kg dry	739	44.6	1	"	"	"	"	"	X
99-09-2	3-Nitroaniline	< 739		µg/kg dry	739	132	1	"	"	"	"	"	X
100-01-6	4-Nitroaniline	< 374		µg/kg dry	374	60.5	1	"	"	"	"	"	X
98-95-3	Nitrobenzene	< 374		µg/kg dry	374	52.6	1	"	"	"	"	"	X
88-75-5	2-Nitrophenol	< 374		µg/kg dry	374	41.0	1	"	"	"	"	"	X
100-02-7	4-Nitrophenol	< 2960		µg/kg dry	2960	111	1	"	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	< 374		µg/kg dry	374	102	1	"	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	< 374		µg/kg dry	374	50.2	1	"	"	"	"	"	X
86-30-6	N-Nitrosodiphenylamine	< 739		µg/kg dry	739	43.5	1	"	"	"	"	"	X
87-86-5	Pentachlorophenol	< 739		µg/kg dry	739	41.7	1	"	"	"	"	"	X
85-01-8	Phenanthrene	< 374		µg/kg dry	374	41.7	1	"	"	"	"	"	X
108-95-2	Phenol	< 739		µg/kg dry	739	46.4	1	"	"	"	"	"	X
129-00-0	Pyrene	< 374		µg/kg dry	374	74.4	1	"	"	"	"	"	X
110-86-1	Pyridine	< 739		µg/kg dry	739	87.6	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 739		µg/kg dry	739	33.8	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	< 374		µg/kg dry	374	54.2	1	"	"	"	"	"	
95-95-4	2,4,5-Trichlorophenol	< 739		µg/kg dry	739	68.1	1	"	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	< 374		µg/kg dry	374	41.2	1	"	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	< 739		µg/kg dry	739	363	1	"	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	< 739		µg/kg dry	739	45.5	1	"	"	"	"	"	X
Surrogate recoveries:													
321-60-8	*2-Fluorobiphenyl*	*58*			*30-130 %*			"	"	"	"	"	
367-12-4	*2-Fluorophenol*	*67*			*30-130 %*			"	"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*51*			*30-130 %*			"	"	"	"	"	
4165-62-2	*Phenol-d5*	*61*			*30-130 %*			"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*72*			*30-130 %*			"	"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*58*			*30-130 %*			"	"	"	"	"	
Semivolatile Organic Compounds by GC													
Organochlorine Pesticides													
Prepared by method SW846 3545A													

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
(3) Park Ave. E.S. SB51176-03	120368	Soil	06-Jun-12 00:00	15-Jun-12

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Organochlorine Pesticides													
Prepared by method SW846 3545A													
319-84-6	alpha-BHC	< 5.51		µg/kg dry	5.51	2.35	1	SW846 8081B	20-Jun-12	22-Jun-12	TG	1214634	X
319-85-7	beta-BHC	< 5.51		µg/kg dry	5.51	2.19	1	"	"	"	"	"	X
319-86-8	delta-BHC	< 5.51		µg/kg dry	5.51	2.57	1	"	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	< 5.51		µg/kg dry	5.51	2.28	1	"	"	"	"	"	X
76-44-8	Heptachlor	< 5.51		µg/kg dry	5.51	2.25	1	"	"	"	"	"	X
309-00-2	Aldrin	< 5.51		µg/kg dry	5.51	5.42	1	"	"	"	"	"	X
1024-57-3	Heptachlor epoxide	< 5.51		µg/kg dry	5.51	2.10	1	"	"	"	"	"	X
959-98-8	Endosulfan I	< 5.51		µg/kg dry	5.51	2.68	1	"	"	"	"	"	X
60-57-1	Dieldrin	< 5.51		µg/kg dry	5.51	1.75	1	"	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	< 5.51		µg/kg dry	5.51	2.12	1	"	"	"	"	"	X
72-20-8	Endrin	< 8.82		µg/kg dry	8.82	3.56	1	"	"	"	"	"	X
33213-65-9	Endosulfan II	< 8.82		µg/kg dry	8.82	4.08	1	"	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	< 8.82		µg/kg dry	8.82	2.66	1	"	"	"	"	"	X
1031-07-8	Endosulfan sulfate	< 8.82		µg/kg dry	8.82	2.34	1	"	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	< 8.82		µg/kg dry	8.82	2.28	1	"	"	"	"	"	X
72-43-5	Methoxychlor	< 8.82		µg/kg dry	8.82	2.72	1	"	"	"	"	"	X
53494-70-5	Endrin ketone	< 8.82		µg/kg dry	8.82	2.67	1	"	"	"	"	"	X
7421-93-4	Endrin aldehyde	< 8.82		µg/kg dry	8.82	2.58	1	"	"	"	"	"	X
5103-71-9	alpha-Chlordane	< 5.51		µg/kg dry	5.51	2.49	1	"	"	"	"	"	X
5566-34-7	gamma-Chlordane	< 5.51		µg/kg dry	5.51	2.22	1	"	"	"	"	"	X
8001-35-2	Toxaphene	< 110		µg/kg dry	110	103	1	"	"	"	"	"	X
57-74-9	Chlordane	< 22.1		µg/kg dry	22.1	19.5	1	"	"	"	"	"	X
15972-60-8	Alachlor	< 5.51		µg/kg dry	5.51	3.26	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*52*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*46*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*50*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*44*			*30-150 %*			"	"	"	"	"	
Extractable Petroleum Hydrocarbons													
Extractable Total Petroleum Hydrocarbons													
Prepared by method SW846 3545A													
8006-61-9	Gasoline	< 14.9		mg/kg dry	14.9	0.7	1	CT ETPH	19-Jun-12	21-Jun-12	SEW	1214499	
68476-30-2	Fuel Oil #2	< 14.9		mg/kg dry	14.9	1.5	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	< 14.9		mg/kg dry	14.9	1.5	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	< 14.9		mg/kg dry	14.9	3.7	1	"	"	"	"	"	
M09800000	Motor Oil	< 14.9		mg/kg dry	14.9	1.5	1	"	"	"	"	"	
J00100000	Aviation Fuel	< 14.9		mg/kg dry	14.9	3.7	1	"	"	"	"	"	
	Unidentified	< 14.9		mg/kg dry	14.9	3.7	1	"	"	"	"	"	
	Other Oil	< 14.9		mg/kg dry	14.9	1.5	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	< 14.9		mg/kg dry	14.9	1.5	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	< 14.9		mg/kg dry	14.9	1.2	1	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
(3) Park Ave. E.S. SB51176-03	120368	Soil	06-Jun-12 00:00	15-Jun-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Extractable Petroleum Hydrocarbons													
Extractable Total Petroleum Hydrocarbons													
Prepared by method SW846 3545A													
Surrogate recoveries:													
3386-33-2	*1-Chlorooctadecane*	*81*			*50-150 %*			CT ETPH	19-Jun-12	21-Jun-12	SEW	1214499	
Total Metals by EPA 6000/7000 Series Methods													
7440-22-4	Silver	< 1.66		mg/kg dry	1.66	0.255	1	SW846 6010C	19-Jun-12	20-Jun-12	EDT	1214515	X
7440-38-2	Arsenic	< 1.66		mg/kg dry	1.66	0.266	1	"	"	"	"	"	X
7440-39-3	Barium	**113**		mg/kg dry	1.10	0.267	1	"	"	"	"	"	X
7440-43-9	Cadmium	< 0.552		mg/kg dry	0.552	0.0609	1	"	"	"	"	"	X
7440-47-3	Chromium	**25.9**		mg/kg dry	1.10	0.402	1	"	"	"	"	"	X
7439-97-6	Mercury	< 0.0306		mg/kg dry	0.0306	0.0063	1	SW846 7471B	"	19-Jun-12	JLM	1214517	X
7439-92-1	Lead	**3.75**		mg/kg dry	1.66	0.196	1	SW846 6010C	"	20-Jun-12	EDT	1214515	X
7782-49-2	Selenium	< 1.66		mg/kg dry	1.66	0.245	1	"	"	"	"	"	X
General Chemistry Parameters													
	% Solids	**88.9**		%			1	SM2540 G Mod.	19-Jun-12	19-Jun-12	KK	1214531	
	Specific Conductance (EC)	**111**		uS/cm	10.0	10.0	1	SM2510B	19-Jun-12	19-Jun-12	BD	1214526	
Toxicity Characteristics													
Reactivity Cyanide/Sulfide													
Prepared by method General Preparation													
	Reactivity	**Nonreactive**		mg/kg dry			1	SW846 Ch. 7.3	19-Jun-12	19-Jun-12	BD	1214598	X
	Reactive Cyanide	< 24.7		mg/kg dry	24.7	2.47	1	"	"	"	"	"	X
	Reactive Sulfide	< 49.3		mg/kg dry	49.3	4.93	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
(4) Mill Ridge. SB51176-04	120368	Soil	06-Jun-12 00:00	15-Jun-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
	VOC Extraction	**Lab extracted**		N/A			1	VOC Soil Extraction	18-Jun-12	18-Jun-12	KK	1214429	
Volatile Organic Compounds													
Prepared by method SW846 5035A Soil (low level)						Initial weight: 5.26 g							
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 5.7		µg/kg dry	5.7	3.8	1	SW846 8260C	19-Jun-12	20-Jun-12	JRO	1214577	X
67-64-1	Acetone	< 57.3		µg/kg dry	57.3	43.1	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	< 5.7		µg/kg dry	5.7	5.1	1	"	"	"	"	"	X
71-43-2	Benzene	< 5.7		µg/kg dry	5.7	3.0	1	"	"	"	"	"	X
108-86-1	Bromobenzene	< 5.7		µg/kg dry	5.7	3.7	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 5.7		µg/kg dry	5.7	1.9	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 5.7		µg/kg dry	5.7	2.2	1	"	"	"	"	"	X
75-25-2	Bromoform	< 5.7		µg/kg dry	5.7	4.0	1	"	"	"	"	"	X
74-83-9	Bromomethane	< 11.5		µg/kg dry	11.5	10.3	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 57.3		µg/kg dry	57.3	49.2	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	< 5.7		µg/kg dry	5.7	2.9	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 5.7		µg/kg dry	5.7	5.6	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 5.7		µg/kg dry	5.7	4.1	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 11.5		µg/kg dry	11.5	8.2	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 5.7		µg/kg dry	5.7	5.7	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 5.7		µg/kg dry	5.7	3.2	1	"	"	"	"	"	X
75-00-3	Chloroethane	< 11.5		µg/kg dry	11.5	8.1	1	"	"	"	"	"	X
67-66-3	Chloroform	< 5.7		µg/kg dry	5.7	2.8	1	"	"	"	"	"	X
74-87-3	Chloromethane	< 11.5		µg/kg dry	11.5	2.9	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	< 5.7		µg/kg dry	5.7	3.5	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	< 5.7		µg/kg dry	5.7	5.1	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 11.5		µg/kg dry	11.5	10.8	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 5.7		µg/kg dry	5.7	2.8	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 5.7		µg/kg dry	5.7	3.6	1	"	"	"	"	"	X
74-95-3	Dibromomethane	< 5.7		µg/kg dry	5.7	5.7	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 5.7		µg/kg dry	5.7	4.6	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 5.7		µg/kg dry	5.7	5.7	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 5.7		µg/kg dry	5.7	3.9	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 11.5		µg/kg dry	11.5	9.7	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 5.7		µg/kg dry	5.7	5.2	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 5.7		µg/kg dry	5.7	3.2	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 5.7		µg/kg dry	5.7	2.8	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 5.7		µg/kg dry	5.7	2.4	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 5.7		µg/kg dry	5.7	4.8	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 5.7		µg/kg dry	5.7	2.9	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	< 5.7		µg/kg dry	5.7	2.9	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	< 5.7		µg/kg dry	5.7	2.3	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	< 5.7		µg/kg dry	5.7	3.5	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 5.7		µg/kg dry	5.7	3.1	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 5.7		µg/kg dry	5.7	1.6	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 5.7		µg/kg dry	5.7	3.5	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
(4) Mill Ridge. SB51176-04	120368	Soil	06-Jun-12 00:00	15-Jun-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Volatile Organic Compounds													
Prepared by method SW846 5035A Soil (low level)						Initial weight: 5.26 g							
87-68-3	Hexachlorobutadiene	< 5.7		µg/kg dry	5.7	4.9	1	SW846 8260C	19-Jun-12	20-Jun-12	JRO	1214577	X
591-78-6	2-Hexanone (MBK)	< 57.3		µg/kg dry	57.3	14.6	1	"	"	"	"	"	X
98-82-8	Isopropylbenzene	< 5.7		µg/kg dry	5.7	2.9	1	"	"	"	"	"	X
99-87-6	4-Isopropyltoluene	< 5.7		µg/kg dry	5.7	2.4	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 5.7		µg/kg dry	5.7	4.2	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 57.3		µg/kg dry	57.3	18.6	1	"	"	"	"	"	X
75-09-2	Methylene chloride	< 11.5		µg/kg dry	11.5	2.9	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 5.7		µg/kg dry	5.7	3.6	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 5.7		µg/kg dry	5.7	3.4	1	"	"	"	"	"	X
100-42-5	Styrene	< 5.7		µg/kg dry	5.7	4.2	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 5.7		µg/kg dry	5.7	5.5	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 5.7		µg/kg dry	5.7	4.4	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 5.7		µg/kg dry	5.7	3.3	1	"	"	"	"	"	X
108-88-3	Toluene	< 5.7		µg/kg dry	5.7	5.1	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 5.7		µg/kg dry	5.7	5.0	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 5.7		µg/kg dry	5.7	4.3	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	< 5.7		µg/kg dry	5.7	4.1	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 5.7		µg/kg dry	5.7	4.6	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 5.7		µg/kg dry	5.7	4.9	1	"	"	"	"	"	X
79-01-6	Trichloroethene	< 5.7		µg/kg dry	5.7	4.4	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 5.7		µg/kg dry	5.7	2.3	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	< 5.7		µg/kg dry	5.7	2.6	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 5.7		µg/kg dry	5.7	1.9	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 5.7		µg/kg dry	5.7	5.7	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 5.7		µg/kg dry	5.7	5.4	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 11.5		µg/kg dry	11.5	11.1	1	"	"	"	"	"	X
95-47-6	o-Xylene	< 5.7		µg/kg dry	5.7	3.9	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 11.5		µg/kg dry	11.5	10.6	1	"	"	"	"	"	
60-29-7	Ethyl ether	< 5.7		µg/kg dry	5.7	5.3	1	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	< 5.7		µg/kg dry	5.7	4.5	1	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	< 5.7		µg/kg dry	5.7	2.0	1	"	"	"	"	"	
108-20-3	Di-isopropyl ether	< 5.7		µg/kg dry	5.7	1.8	1	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	< 57.3		µg/kg dry	57.3	32.5	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	< 115		µg/kg dry	115	93.9	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-buten e	< 28.7		µg/kg dry	28.7	14.7	1	"	"	"	"	"	X
64-17-5	Ethanol	< 2290		µg/kg dry	2290	480	1	"	"	"	"	"	
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*97*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*101*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*122*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*106*			*70-130 %*			"	"	"	"	"	
Semivolatile Organic Compounds by GCMS													

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
(4) Mill Ridge. SB51176-04	120368	Soil	06-Jun-12 00:00	15-Jun-12

Semivolatile Organic Compounds by GCMS

Semivolatile Organic Compounds

Prepared by method SW846 3545A

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
83-32-9	Acenaphthene	< 367		µg/kg dry	367	40.9	1	SW846 8270D	19-Jun-12	20-Jun-12	DS	1214507	X
208-96-8	Acenaphthylene	< 367		µg/kg dry	367	41.6	1	"	"	"	"	"	X
62-53-3	Aniline	< 726		µg/kg dry	726	206	1	"	"	"	"	"	X
120-12-7	Anthracene	< 367		µg/kg dry	367	42.7	1	"	"	"	"	"	X
103-33-3	Azobenzene/Diphenyldiazine	< 726		µg/kg dry	726	38.5	1	"	"	"	"	"	
92-87-5	Benzidine	< 726		µg/kg dry	726	282	1	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	< 367		µg/kg dry	367	42.2	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	< 367		µg/kg dry	367	48.0	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	< 367		µg/kg dry	367	43.8	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	< 367		µg/kg dry	367	55.7	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	< 367		µg/kg dry	367	64.2	1	"	"	"	"	"	X
65-85-0	Benzoic acid	< 726		µg/kg dry	726	69.7	1	"	"	"	"	"	X
100-51-6	Benzyl alcohol	< 726		µg/kg dry	726	50.4	1	"	"	"	"	"	X
111-91-1	Bis(2-chloroethoxy)methane	< 726		µg/kg dry	726	34.3	1	"	"	"	"	"	X
111-44-4	Bis(2-chloroethyl)ether	< 367		µg/kg dry	367	37.6	1	"	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	< 367		µg/kg dry	367	55.9	1	"	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	< 367		µg/kg dry	367	32.6	1	"	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	< 726		µg/kg dry	726	43.1	1	"	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	< 726		µg/kg dry	726	35.2	1	"	"	"	"	"	X
86-74-8	Carbazole	< 367		µg/kg dry	367	75.5	1	"	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	< 726		µg/kg dry	726	43.8	1	"	"	"	"	"	X
106-47-8	4-Chloroaniline	< 367		µg/kg dry	367	200	1	"	"	"	"	"	X
91-58-7	2-Chloronaphthalene	< 726		µg/kg dry	726	47.5	1	"	"	"	"	"	X
95-57-8	2-Chlorophenol	< 367		µg/kg dry	367	38.7	1	"	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	< 726		µg/kg dry	726	40.7	1	"	"	"	"	"	X
218-01-9	Chrysene	< 367		µg/kg dry	367	43.3	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	< 367		µg/kg dry	367	50.2	1	"	"	"	"	"	X
132-64-9	Dibenzofuran	< 367		µg/kg dry	367	56.8	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 726		µg/kg dry	726	54.8	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 726		µg/kg dry	726	41.6	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 726		µg/kg dry	726	38.9	1	"	"	"	"	"	X
91-94-1	3,3´-Dichlorobenzidine	< 726		µg/kg dry	726	214	1	"	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	< 367		µg/kg dry	367	36.7	1	"	"	"	"	"	X
84-66-2	Diethyl phthalate	< 726		µg/kg dry	726	41.4	1	"	"	"	"	"	X
131-11-3	Dimethyl phthalate	< 726		µg/kg dry	726	41.8	1	"	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	< 726		µg/kg dry	726	35.2	1	"	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	< 726		µg/kg dry	726	55.0	1	"	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	< 726		µg/kg dry	726	85.8	1	"	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	< 726		µg/kg dry	726	43.3	1	"	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	< 367		µg/kg dry	367	51.9	1	"	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	< 367		µg/kg dry	367	57.6	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
(4) Mill Ridge. SB51176-04	120368	Soil	06-Jun-12 00:00	15-Jun-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GCMS													
Semivolatile Organic Compounds													
Prepared by method SW846 3545A													
117-84-0	Di-n-octyl phthalate	< 726		µg/kg dry	726	68.2	1	SW846 8270D	19-Jun-12	20-Jun-12	DS	1214507	X
206-44-0	Fluoranthene	< 367		µg/kg dry	367	66.4	1	"	"	"	"	"	X
86-73-7	Fluorene	< 367		µg/kg dry	367	46.2	1	"	"	"	"	"	X
118-74-1	Hexachlorobenzene	< 367		µg/kg dry	367	48.4	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 367		µg/kg dry	367	36.1	1	"	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	< 367		µg/kg dry	367	68.6	1	"	"	"	"	"	X
67-72-1	Hexachloroethane	< 367		µg/kg dry	367	42.2	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	< 367		µg/kg dry	367	67.1	1	"	"	"	"	"	X
78-59-1	Isophorone	< 367		µg/kg dry	367	44.7	1	"	"	"	"	"	X
91-57-6	2-Methylnaphthalene	< 367		µg/kg dry	367	42.9	1	"	"	"	"	"	X
95-48-7	2-Methylphenol	< 726		µg/kg dry	726	50.8	1	"	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	< 726		µg/kg dry	726	48.0	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 367		µg/kg dry	367	36.7	1	"	"	"	"	"	X
88-74-4	2-Nitroaniline	< 726		µg/kg dry	726	43.8	1	"	"	"	"	"	X
99-09-2	3-Nitroaniline	< 726		µg/kg dry	726	130	1	"	"	"	"	"	X
100-01-6	4-Nitroaniline	< 367		µg/kg dry	367	59.4	1	"	"	"	"	"	X
98-95-3	Nitrobenzene	< 367		µg/kg dry	367	51.7	1	"	"	"	"	"	X
88-75-5	2-Nitrophenol	< 367		µg/kg dry	367	40.3	1	"	"	"	"	"	X
100-02-7	4-Nitrophenol	< 2900		µg/kg dry	2900	109	1	"	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	< 367		µg/kg dry	367	100	1	"	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	< 367		µg/kg dry	367	49.3	1	"	"	"	"	"	X
86-30-6	N-Nitrosodiphenylamine	< 726		µg/kg dry	726	42.7	1	"	"	"	"	"	X
87-86-5	Pentachlorophenol	< 726		µg/kg dry	726	40.9	1	"	"	"	"	"	X
85-01-8	Phenanthrene	< 367		µg/kg dry	367	40.9	1	"	"	"	"	"	X
108-95-2	Phenol	< 726		µg/kg dry	726	45.5	1	"	"	"	"	"	X
129-00-0	Pyrene	< 367		µg/kg dry	367	73.0	1	"	"	"	"	"	X
110-86-1	Pyridine	< 726		µg/kg dry	726	86.0	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 726		µg/kg dry	726	33.2	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	< 367		µg/kg dry	367	53.2	1	"	"	"	"	"	
95-95-4	2,4,5-Trichlorophenol	< 726		µg/kg dry	726	66.9	1	"	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	< 367		µg/kg dry	367	40.5	1	"	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	< 726		µg/kg dry	726	357	1	"	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	< 726		µg/kg dry	726	44.7	1	"	"	"	"	"	X
Surrogate recoveries:													
321-60-8	*2-Fluorobiphenyl*	*41*			*30-130 %*			"	"	"	"	"	
367-12-4	*2-Fluorophenol*	*47*			*30-130 %*			"	"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*34*			*30-130 %*			"	"	"	"	"	
4165-62-2	*Phenol-d5*	*49*			*30-130 %*			"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*50*			*30-130 %*			"	"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*36*			*30-130 %*			"	"	"	"	"	
Semivolatile Organic Compounds by GC													
Organochlorine Pesticides													
Prepared by method SW846 3545A													

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
(4) Mill Ridge. SB51176-04	120368	Soil	06-Jun-12 00:00	15-Jun-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Organochlorine Pesticides													
Prepared by method SW846 3545A													
319-84-6	alpha-BHC	< 5.45		µg/kg dry	5.45	2.32	1	SW846 8081B	20-Jun-12	22-Jun-12	TG	1214634	X
319-85-7	beta-BHC	< 5.45		µg/kg dry	5.45	2.17	1	"	"	"	"	"	X
319-86-8	delta-BHC	< 5.45		µg/kg dry	5.45	2.54	1	"	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	< 5.45		µg/kg dry	5.45	2.26	1	"	"	"	"	"	X
76-44-8	Heptachlor	< 5.45		µg/kg dry	5.45	2.22	1	"	"	"	"	"	X
309-00-2	Aldrin	< 5.45		µg/kg dry	5.45	5.35	1	"	"	"	"	"	X
1024-57-3	Heptachlor epoxide	< 5.45		µg/kg dry	5.45	2.07	1	"	"	"	"	"	X
959-98-8	Endosulfan I	< 5.45		µg/kg dry	5.45	2.65	1	"	"	"	"	"	X
60-57-1	Dieldrin	< 5.45		µg/kg dry	5.45	1.73	1	"	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	< 5.45		µg/kg dry	5.45	2.09	1	"	"	"	"	"	X
72-20-8	Endrin	< 8.72		µg/kg dry	8.72	3.52	1	"	"	"	"	"	X
33213-65-9	Endosulfan II	< 8.72		µg/kg dry	8.72	4.03	1	"	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	< 8.72		µg/kg dry	8.72	2.63	1	"	"	"	"	"	X
1031-07-8	Endosulfan sulfate	< 8.72		µg/kg dry	8.72	2.31	1	"	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	< 8.72		µg/kg dry	8.72	2.26	1	"	"	"	"	"	X
72-43-5	Methoxychlor	< 8.72		µg/kg dry	8.72	2.69	1	"	"	"	"	"	X
53494-70-5	Endrin ketone	< 8.72		µg/kg dry	8.72	2.64	1	"	"	"	"	"	X
7421-93-4	Endrin aldehyde	< 8.72		µg/kg dry	8.72	2.55	1	"	"	"	"	"	X
5103-71-9	alpha-Chlordane	< 5.45		µg/kg dry	5.45	2.46	1	"	"	"	"	"	X
5566-34-7	gamma-Chlordane	< 5.45		µg/kg dry	5.45	2.19	1	"	"	"	"	"	X
8001-35-2	Toxaphene	< 109		µg/kg dry	109	102	1	"	"	"	"	"	X
57-74-9	Chlordane	< 21.8		µg/kg dry	21.8	19.3	1	"	"	"	"	"	X
15972-60-8	Alachlor	< 5.45		µg/kg dry	5.45	3.23	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*55*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*50*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*59*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*48*			*30-150 %*			"	"	"	"	"	
Extractable Petroleum Hydrocarbons													
Extractable Total Petroleum Hydrocarbons													
Prepared by method SW846 3545A													
8006-61-9	Gasoline	< 14.6		mg/kg dry	14.6	0.7	1	CT ETPH	19-Jun-12	21-Jun-12	SEW	1214499	
68476-30-2	Fuel Oil #2	< 14.6		mg/kg dry	14.6	1.5	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	< 14.6		mg/kg dry	14.6	1.5	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	< 14.6		mg/kg dry	14.6	3.7	1	"	"	"	"	"	
M09800000	Motor Oil	< 14.6		mg/kg dry	14.6	1.5	1	"	"	"	"	"	
J00100000	Aviation Fuel	< 14.6		mg/kg dry	14.6	3.7	1	"	"	"	"	"	
	Unidentified	< 14.6		mg/kg dry	14.6	3.7	1	"	"	"	"	"	
	Other Oil	< 14.6		mg/kg dry	14.6	1.5	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	< 14.6		mg/kg dry	14.6	1.5	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	< 14.6		mg/kg dry	14.6	1.1	1	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
(4) Mill Ridge. SB51176-04	120368	Soil	06-Jun-12 00:00	15-Jun-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Extractable Petroleum Hydrocarbons													
Extractable Total Petroleum Hydrocarbons													
Prepared by method SW846 3545A													
Surrogate recoveries:													
3386-33-2	*1-Chlorooctadecane*	*94*			*50-150 %*			CT ETPH	19-Jun-12	21-Jun-12	SEW	1214499	
Total Metals by EPA 6000/7000 Series Methods													
7440-22-4	Silver	< 1.60		mg/kg dry	1.60	0.246	1	SW846 6010C	19-Jun-12	20-Jun-12	EDT	1214515	X
7440-38-2	Arsenic	< 1.60		mg/kg dry	1.60	0.257	1	"	"	"	"	"	X
7440-39-3	Barium	**99.4**		mg/kg dry	1.06	0.257	1	"	"	"	"	"	X
7440-43-9	Cadmium	< 0.532		mg/kg dry	0.532	0.0588	1	"	"	"	"	"	X
7440-47-3	Chromium	**21.7**		mg/kg dry	1.06	0.388	1	"	"	"	"	"	X
7439-97-6	Mercury	< 0.0324		mg/kg dry	0.0324	0.0066	1	SW846 7471B	"	19-Jun-12	JLM	1214517	X
7439-92-1	Lead	**4.21**		mg/kg dry	1.60	0.189	1	SW846 6010C	"	20-Jun-12	EDT	1214515	X
7782-49-2	Selenium	< 1.60		mg/kg dry	1.60	0.236	1	"	"	"	"	"	X
General Chemistry Parameters													
	% Solids	**90.9**		%			1	SM2540 G Mod.	19-Jun-12	19-Jun-12	KK	1214531	
	Specific Conductance (EC)	**40.1**		uS/cm	10.0	10.0	1	SM2510B	19-Jun-12	19-Jun-12	BD	1214526	
Toxicity Characteristics													
Reactivity Cyanide/Sulfide													
Prepared by method General Preparation													
	Reactivity	**Nonreactive**		mg/kg dry			1	SW846 Ch. 7.3	19-Jun-12	19-Jun-12	BD	1214598	X
	Reactive Cyanide	< 25.0		mg/kg dry	25.0	2.50	1	"	"	"	"	"	X
	Reactive Sulfide	< 50.0		mg/kg dry	50.0	5.00	1	"	"	"	"	"	X

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1214577 - SW846 5035A Soil (low level)										
Blank (1214577-BLK1)					Prepared & Analyzed: 19-Jun-12					
1,1,2-Trichlorotrifluoroethane (Freon 113)	< 5.0		µg/kg wet	5.0						
Acetone	< 50.0		µg/kg wet	50.0						
Acrylonitrile	< 5.0		µg/kg wet	5.0						
Benzene	< 5.0		µg/kg wet	5.0						
Bromobenzene	< 5.0		µg/kg wet	5.0						
Bromochloromethane	< 5.0		µg/kg wet	5.0						
Bromodichloromethane	< 5.0		µg/kg wet	5.0						
Bromoform	< 5.0		µg/kg wet	5.0						
Bromomethane	< 10.0		µg/kg wet	10.0						
2-Butanone (MEK)	< 50.0		µg/kg wet	50.0						
n-Butylbenzene	< 5.0		µg/kg wet	5.0						
sec-Butylbenzene	< 5.0		µg/kg wet	5.0						
tert-Butylbenzene	< 5.0		µg/kg wet	5.0						
Carbon disulfide	< 10.0		µg/kg wet	10.0						
Carbon tetrachloride	< 5.0		µg/kg wet	5.0						
Chlorobenzene	< 5.0		µg/kg wet	5.0						
Chloroethane	< 10.0		µg/kg wet	10.0						
Chloroform	< 5.0		µg/kg wet	5.0						
Chloromethane	< 10.0		µg/kg wet	10.0						
2-Chlorotoluene	< 5.0		µg/kg wet	5.0						
4-Chlorotoluene	< 5.0		µg/kg wet	5.0						
1,2-Dibromo-3-chloropropane	< 10.0		µg/kg wet	10.0						
Dibromochloromethane	< 5.0		µg/kg wet	5.0						
1,2-Dibromoethane (EDB)	< 5.0		µg/kg wet	5.0						
Dibromomethane	< 5.0		µg/kg wet	5.0						
1,2-Dichlorobenzene	< 5.0		µg/kg wet	5.0						
1,3-Dichlorobenzene	< 5.0		µg/kg wet	5.0						
1,4-Dichlorobenzene	< 5.0		µg/kg wet	5.0						
Dichlorodifluoromethane (Freon12)	< 10.0		µg/kg wet	10.0						
1,1-Dichloroethane	< 5.0		µg/kg wet	5.0						
1,2-Dichloroethane	< 5.0		µg/kg wet	5.0						
1,1-Dichloroethene	< 5.0		µg/kg wet	5.0						
cis-1,2-Dichloroethene	< 5.0		µg/kg wet	5.0						
trans-1,2-Dichloroethene	< 5.0		µg/kg wet	5.0						
1,2-Dichloropropane	< 5.0		µg/kg wet	5.0						
1,3-Dichloropropane	< 5.0		µg/kg wet	5.0						
2,2-Dichloropropane	< 5.0		µg/kg wet	5.0						
1,1-Dichloropropene	< 5.0		µg/kg wet	5.0						
cis-1,3-Dichloropropene	< 5.0		µg/kg wet	5.0						
trans-1,3-Dichloropropene	< 5.0		µg/kg wet	5.0						
Ethylbenzene	< 5.0		µg/kg wet	5.0						
Hexachlorobutadiene	< 5.0		µg/kg wet	5.0						
2-Hexanone (MBK)	< 50.0		µg/kg wet	50.0						
Isopropylbenzene	< 5.0		µg/kg wet	5.0						
4-Isopropyltoluene	< 5.0		µg/kg wet	5.0						
Methyl tert-butyl ether	< 5.0		µg/kg wet	5.0						
4-Methyl-2-pentanone (MIBK)	< 50.0		µg/kg wet	50.0						
Methylene chloride	< 10.0		µg/kg wet	10.0						
Naphthalene	< 5.0		µg/kg wet	5.0						
n-Propylbenzene	< 5.0		µg/kg wet	5.0						
Styrene	< 5.0		µg/kg wet	5.0						
1,1,1,2-Tetrachloroethane	< 5.0		µg/kg wet	5.0						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1214577 - SW846 5035A Soil (low level)										
Blank (1214577-BLK1)					Prepared & Analyzed: 19-Jun-12					
1,1,2,2-Tetrachloroethane	< 5.0		µg/kg wet	5.0						
Tetrachloroethene	< 5.0		µg/kg wet	5.0						
Toluene	< 5.0		µg/kg wet	5.0						
1,2,3-Trichlorobenzene	< 5.0		µg/kg wet	5.0						
1,2,4-Trichlorobenzene	< 5.0		µg/kg wet	5.0						
1,3,5-Trichlorobenzene	< 5.0		µg/kg wet	5.0						
1,1,1-Trichloroethane	< 5.0		µg/kg wet	5.0						
1,1,2-Trichloroethane	< 5.0		µg/kg wet	5.0						
Trichloroethene	< 5.0		µg/kg wet	5.0						
Trichlorofluoromethane (Freon 11)	< 5.0		µg/kg wet	5.0						
1,2,3-Trichloropropane	< 5.0		µg/kg wet	5.0						
1,2,4-Trimethylbenzene	< 5.0		µg/kg wet	5.0						
1,3,5-Trimethylbenzene	< 5.0		µg/kg wet	5.0						
Vinyl chloride	< 5.0		µg/kg wet	5.0						
m,p-Xylene	< 10.0		µg/kg wet	10.0						
o-Xylene	< 5.0		µg/kg wet	5.0						
Tetrahydrofuran	< 10.0		µg/kg wet	10.0						
Ethyl ether	< 5.0		µg/kg wet	5.0						
Tert-amyl methyl ether	< 5.0		µg/kg wet	5.0						
Ethyl tert-butyl ether	< 5.0		µg/kg wet	5.0						
Di-isopropyl ether	< 5.0		µg/kg wet	5.0						
Tert-Butanol / butyl alcohol	< 50.0		µg/kg wet	50.0						
1,4-Dioxane	< 100		µg/kg wet	100						
trans-1,4-Dichloro-2-butene	< 25.0		µg/kg wet	25.0						
Ethanol	< 2000		µg/kg wet	2000						
Surrogate: 4-Bromofluorobenzene	*49.1*		µg/kg wet		*50.0*		*98*	*70-130*		
Surrogate: Toluene-d8	*50.7*		µg/kg wet		*50.0*		*101*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*59.4*		µg/kg wet		*50.0*		*119*	*70-130*		
Surrogate: Dibromofluoromethane	*51.5*		µg/kg wet		*50.0*		*103*	*70-130*		
LCS (1214577-BS1)					Prepared: 19-Jun-12	Analyzed: 20-Jun-12				
1,1,2-Trichlorotrifluoroethane (Freon 113)	**21.7**		µg/kg wet		20.0		108	70-130		
Acetone	**24.5**		µg/kg wet		20.0		122	70-130		
Acrylonitrile	**25.2**		µg/kg wet		20.0		126	70-130		
Benzene	**22.2**		µg/kg wet		20.0		111	70-130		
Bromobenzene	**22.1**		µg/kg wet		20.0		110	70-130		
Bromochloromethane	**24.1**		µg/kg wet		20.0		120	70-130		
Bromodichloromethane	**23.9**		µg/kg wet		20.0		120	70-130		
Bromoform	**20.7**		µg/kg wet		20.0		103	70-130		
Bromomethane	**23.3**		µg/kg wet		20.0		116	70-130		
2-Butanone (MEK)	**18.2**		µg/kg wet		20.0		91	70-130		
n-Butylbenzene	**23.5**		µg/kg wet		20.0		117	70-130		
sec-Butylbenzene	**23.1**		µg/kg wet		20.0		116	70-130		
tert-Butylbenzene	**23.3**		µg/kg wet		20.0		116	70-130		
Carbon disulfide	**22.2**		µg/kg wet		20.0		111	70-130		
Carbon tetrachloride	**23.3**		µg/kg wet		20.0		117	70-130		
Chlorobenzene	**21.3**		µg/kg wet		20.0		106	70-130		
Chloroethane	**22.6**		µg/kg wet		20.0		113	70-130		
Chloroform	**22.5**		µg/kg wet		20.0		112	70-130		
Chloromethane	**22.0**		µg/kg wet		20.0		110	70-130		
2-Chlorotoluene	**22.9**		µg/kg wet		20.0		115	70-130		
4-Chlorotoluene	**22.3**		µg/kg wet		20.0		111	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1214577 - SW846 5035A Soil (low level)										
LCS (1214577-BS1)					Prepared: 19-Jun-12 Analyzed: 20-Jun-12					
1,2-Dibromo-3-chloropropane	**20.3**		µg/kg wet		20.0		101	70-130		
Dibromochloromethane	**20.6**		µg/kg wet		20.0		103	70-130		
1,2-Dibromoethane (EDB)	**24.7**		µg/kg wet		20.0		124	70-130		
Dibromomethane	**23.4**		µg/kg wet		20.0		117	70-130		
1,2-Dichlorobenzene	**22.9**		µg/kg wet		20.0		115	70-130		
1,3-Dichlorobenzene	**22.6**		µg/kg wet		20.0		113	70-130		
1,4-Dichlorobenzene	**22.0**		µg/kg wet		20.0		110	70-130		
Dichlorodifluoromethane (Freon12)	**22.0**		µg/kg wet		20.0		110	70-130		
1,1-Dichloroethane	**22.4**		µg/kg wet		20.0		112	70-130		
1,2-Dichloroethane	**23.8**		µg/kg wet		20.0		119	70-130		
1,1-Dichloroethene	**21.4**		µg/kg wet		20.0		107	70-130		
cis-1,2-Dichloroethene	**22.4**		µg/kg wet		20.0		112	70-130		
trans-1,2-Dichloroethene	**22.5**		µg/kg wet		20.0		113	70-130		
1,2-Dichloropropane	**22.5**		µg/kg wet		20.0		113	70-130		
1,3-Dichloropropane	**22.9**		µg/kg wet		20.0		115	70-130		
2,2-Dichloropropane	**23.6**		µg/kg wet		20.0		118	70-130		
1,1-Dichloropropene	**22.8**		µg/kg wet		20.0		114	70-130		
cis-1,3-Dichloropropene	**21.3**		µg/kg wet		20.0		107	70-130		
trans-1,3-Dichloropropene	**21.0**		µg/kg wet		20.0		105	70-130		
Ethylbenzene	**22.4**		µg/kg wet		20.0		112	70-130		
Hexachlorobutadiene	**22.3**		µg/kg wet		20.0		111	70-130		
2-Hexanone (MBK)	**18.9**		µg/kg wet		20.0		95	70-130		
Isopropylbenzene	**22.5**		µg/kg wet		20.0		113	70-130		
4-Isopropyltoluene	**23.2**		µg/kg wet		20.0		116	70-130		
Methyl tert-butyl ether	**24.3**		µg/kg wet		20.0		121	70-130		
4-Methyl-2-pentanone (MIBK)	**21.5**		µg/kg wet		20.0		107	70-130		
Methylene chloride	**22.1**		µg/kg wet		20.0		111	70-130		
Naphthalene	**21.8**		µg/kg wet		20.0		109	70-130		
n-Propylbenzene	**22.6**		µg/kg wet		20.0		113	70-130		
Styrene	**23.5**		µg/kg wet		20.0		117	70-130		
1,1,1,2-Tetrachloroethane	**23.0**		µg/kg wet		20.0		115	70-130		
1,1,2,2-Tetrachloroethane	**22.5**		µg/kg wet		20.0		112	70-130		
Tetrachloroethene	**22.7**		µg/kg wet		20.0		113	70-130		
Toluene	**22.0**		µg/kg wet		20.0		110	70-130		
1,2,3-Trichlorobenzene	**21.7**		µg/kg wet		20.0		108	70-130		
1,2,4-Trichlorobenzene	**20.4**		µg/kg wet		20.0		102	70-130		
1,3,5-Trichlorobenzene	**22.4**		µg/kg wet		20.0		112	70-130		
1,1,1-Trichloroethane	**23.0**		µg/kg wet		20.0		115	70-130		
1,1,2-Trichloroethane	**23.7**		µg/kg wet		20.0		119	70-130		
Trichloroethene	**21.8**		µg/kg wet		20.0		109	70-130		
Trichlorofluoromethane (Freon 11)	**22.5**		µg/kg wet		20.0		112	70-130		
1,2,3-Trichloropropane	**22.7**		µg/kg wet		20.0		113	70-130		
1,2,4-Trimethylbenzene	**23.5**		µg/kg wet		20.0		118	70-130		
1,3,5-Trimethylbenzene	**23.3**		µg/kg wet		20.0		117	70-130		
Vinyl chloride	**23.0**		µg/kg wet		20.0		115	70-130		
m,p-Xylene	**45.1**		µg/kg wet		40.0		113	70-130		
o-Xylene	**22.4**		µg/kg wet		20.0		112	70-130		
Tetrahydrofuran	**21.1**		µg/kg wet		20.0		106	70-130		
Ethyl ether	**23.1**		µg/kg wet		20.0		116	70-130		
Tert-amyl methyl ether	**21.2**		µg/kg wet		20.0		106	70-130		
Ethyl tert-butyl ether	**24.8**		µg/kg wet		20.0		124	70-130		
Di-isopropyl ether	**23.3**		µg/kg wet		20.0		116	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1214577 - SW846 5035A Soil (low level)										
LCS (1214577-BS1)						Prepared: 19-Jun-12 Analyzed: 20-Jun-12				
Tert-Butanol / butyl alcohol	**254**		µg/kg wet		200		127	70-130		
1,4-Dioxane	**201**		µg/kg wet		200		101	70-130		
trans-1,4-Dichloro-2-butene	**21.4**		µg/kg wet		20.0		107	70-130		
Ethanol	**496**		µg/kg wet		400		124	70-130		
Surrogate: 4-Bromofluorobenzene	*51.7*		µg/kg wet		*50.0*		*103*	*70-130*		
Surrogate: Toluene-d8	*51.0*		µg/kg wet		*50.0*		*102*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*50.4*		µg/kg wet		*50.0*		*101*	*70-130*		
Surrogate: Dibromofluoromethane	*50.9*		µg/kg wet		*50.0*		*102*	*70-130*		
LCS Dup (1214577-BSD1)						Prepared: 19-Jun-12 Analyzed: 20-Jun-12				
1,1,2-Trichlorotrifluoroethane (Freon 113)	**22.2**		µg/kg wet		20.0		111	70-130	2	25
Acetone	**28.8**		µg/kg wet		20.0		144	70-130	16	50
Acrylonitrile	**24.8**		µg/kg wet		20.0		124	70-130	2	25
Benzene	**22.6**		µg/kg wet		20.0		113	70-130	2	25
Bromobenzene	**22.4**		µg/kg wet		20.0		112	70-130	1	25
Bromochloromethane	**24.0**		µg/kg wet		20.0		120	70-130	0.08	25
Bromodichloromethane	**24.4**		µg/kg wet		20.0		122	70-130	2	25
Bromoform	**21.6**		µg/kg wet		20.0		108	70-130	4	25
Bromomethane	**23.1**		µg/kg wet		20.0		115	70-130	0.9	50
2-Butanone (MEK)	**20.3**		µg/kg wet		20.0		102	70-130	11	50
n-Butylbenzene	**24.4**		µg/kg wet		20.0		122	70-130	4	25
sec-Butylbenzene	**23.1**		µg/kg wet		20.0		115	70-130	0.1	25
tert-Butylbenzene	**23.0**		µg/kg wet		20.0		115	70-130	1	25
Carbon disulfide	**22.8**		µg/kg wet		20.0		114	70-130	3	25
Carbon tetrachloride	**23.2**		µg/kg wet		20.0		116	70-130	0.3	25
Chlorobenzene	**21.4**		µg/kg wet		20.0		107	70-130	0.7	25
Chloroethane	**22.4**		µg/kg wet		20.0		112	70-130	1	50
Chloroform	**22.4**		µg/kg wet		20.0		112	70-130	0.2	25
Chloromethane	**22.0**		µg/kg wet		20.0		110	70-130	0.3	25
2-Chlorotoluene	**23.0**		µg/kg wet		20.0		115	70-130	0.4	25
4-Chlorotoluene	**23.1**		µg/kg wet		20.0		116	70-130	4	25
1,2-Dibromo-3-chloropropane	**20.3**		µg/kg wet		20.0		102	70-130	0.2	25
Dibromochloromethane	**21.2**		µg/kg wet		20.0		106	70-130	3	50
1,2-Dibromoethane (EDB)	**25.2**		µg/kg wet		20.0		126	70-130	2	25
Dibromomethane	**23.9**		µg/kg wet		20.0		119	70-130	2	25
1,2-Dichlorobenzene	**23.4**		µg/kg wet		20.0		117	70-130	2	25
1,3-Dichlorobenzene	**22.9**		µg/kg wet		20.0		115	70-130	2	25
1,4-Dichlorobenzene	**22.4**		µg/kg wet		20.0		112	70-130	2	25
Dichlorodifluoromethane (Freon12)	**22.4**		µg/kg wet		20.0		112	70-130	2	50
1,1-Dichloroethane	**22.3**		µg/kg wet		20.0		112	70-130	0.5	25
1,2-Dichloroethane	**23.5**		µg/kg wet		20.0		117	70-130	1	25
1,1-Dichloroethene	**21.4**		µg/kg wet		20.0		107	70-130	0.5	25
cis-1,2-Dichloroethene	**22.5**		µg/kg wet		20.0		113	70-130	0.5	25
trans-1,2-Dichloroethene	**23.0**		µg/kg wet		20.0		115	70-130	2	25
1,2-Dichloropropane	**22.6**		µg/kg wet		20.0		113	70-130	0.4	25
1,3-Dichloropropane	**23.6**		µg/kg wet		20.0		118	70-130	3	25
2,2-Dichloropropane	**23.6**		µg/kg wet		20.0		118	70-130	0.1	25
1,1-Dichloropropene	**23.3**		µg/kg wet		20.0		116	70-130	2	25
cis-1,3-Dichloropropene	**21.4**		µg/kg wet		20.0		107	70-130	0.6	25
trans-1,3-Dichloropropene	**21.8**		µg/kg wet		20.0		109	70-130	4	25
Ethylbenzene	**22.5**		µg/kg wet		20.0		112	70-130	0.2	25
Hexachlorobutadiene	**21.8**		µg/kg wet		20.0		109	70-130	2	50

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1214577 - SW846 5035A Soil (low level)										
LCS Dup (1214577-BSD1)					Prepared: 19-Jun-12 Analyzed: 20-Jun-12					
2-Hexanone (MBK)	**21.2**		µg/kg wet		20.0		106	70-130	11	25
Isopropylbenzene	**22.3**		µg/kg wet		20.0		112	70-130	0.8	25
4-Isopropyltoluene	**23.6**		µg/kg wet		20.0		118	70-130	2	25
Methyl tert-butyl ether	**24.7**		µg/kg wet		20.0		123	70-130	2	25
4-Methyl-2-pentanone (MIBK)	**23.5**		µg/kg wet		20.0		117	70-130	9	50
Methylene chloride	**22.3**		µg/kg wet		20.0		112	70-130	0.9	25
Naphthalene	**23.0**		µg/kg wet		20.0		115	70-130	6	25
n-Propylbenzene	**23.0**		µg/kg wet		20.0		115	70-130	2	25
Styrene	**23.6**		µg/kg wet		20.0		118	70-130	0.6	25
1,1,1,2-Tetrachloroethane	**23.0**		µg/kg wet		20.0		115	70-130	0.2	25
1,1,2,2-Tetrachloroethane	**23.3**		µg/kg wet		20.0		117	70-130	4	25
Tetrachloroethene	**22.7**		µg/kg wet		20.0		114	70-130	0.3	25
Toluene	**22.2**		µg/kg wet		20.0		111	70-130	0.9	25
1,2,3-Trichlorobenzene	**22.9**		µg/kg wet		20.0		114	70-130	5	25
1,2,4-Trichlorobenzene	**21.8**		µg/kg wet		20.0		109	70-130	6	25
1,3,5-Trichlorobenzene	**24.4**		µg/kg wet		20.0		122	70-130	9	25
1,1,1-Trichloroethane	**22.9**		µg/kg wet		20.0		114	70-130	0.3	25
1,1,2-Trichloroethane	**23.9**		µg/kg wet		20.0		119	70-130	0.5	25
Trichloroethene	**22.6**		µg/kg wet		20.0		113	70-130	3	25
Trichlorofluoromethane (Freon 11)	**22.3**		µg/kg wet		20.0		111	70-130	0.9	50
1,2,3-Trichloropropane	**23.0**		µg/kg wet		20.0		115	70-130	1	25
1,2,4-Trimethylbenzene	**23.8**		µg/kg wet		20.0		119	70-130	1	25
1,3,5-Trimethylbenzene	**23.3**		µg/kg wet		20.0		116	70-130	0.3	25
Vinyl chloride	**23.3**		µg/kg wet		20.0		117	70-130	2	25
m,p-Xylene	**45.0**		µg/kg wet		40.0		113	70-130	0.2	25
o-Xylene	**22.5**		µg/kg wet		20.0		113	70-130	0.5	25
Tetrahydrofuran	**22.3**		µg/kg wet		20.0		111	70-130	5	25
Ethyl ether	**24.0**		µg/kg wet		20.0		120	70-130	4	50
Tert-amyl methyl ether	**21.6**		µg/kg wet		20.0		108	70-130	2	25
Ethyl tert-butyl ether	**24.8**		µg/kg wet		20.0		124	70-130	0	25
Di-isopropyl ether	**23.5**		µg/kg wet		20.0		117	70-130	1	25
Tert-Butanol / butyl alcohol	**266**	QM9	µg/kg wet		200		133	70-130	5	25
1,4-Dioxane	**216**		µg/kg wet		200		108	70-130	7	25
trans-1,4-Dichloro-2-butene	**23.1**		µg/kg wet		20.0		115	70-130	8	25
Ethanol	**480**		µg/kg wet		400		120	70-130	3	30
Surrogate: 4-Bromofluorobenzene	*49.9*		µg/kg wet		*50.0*		*100*	*70-130*		
Surrogate: Toluene-d8	*50.7*		µg/kg wet		*50.0*		*101*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*51.6*		µg/kg wet		*50.0*		*103*	*70-130*		
Surrogate: Dibromofluoromethane	*51.5*		µg/kg wet		*50.0*		*103*	*70-130*		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1214507 - SW846 3545A										
Blank (1214507-BLK1)					Prepared: 19-Jun-12 Analyzed: 20-Jun-12					
Acenaphthene	< 167		µg/kg wet	167						
Acenaphthylene	< 167		µg/kg wet	167						
Aniline	< 330		µg/kg wet	330						
Anthracene	< 167		µg/kg wet	167						
Azobenzene/Diphenyldiazine	< 330		µg/kg wet	330						
Benzidine	< 330		µg/kg wet	330						
Benzo (a) anthracene	< 167		µg/kg wet	167						
Benzo (a) pyrene	< 167		µg/kg wet	167						
Benzo (b) fluoranthene	< 167		µg/kg wet	167						
Benzo (g,h,i) perylene	< 167		µg/kg wet	167						
Benzo (k) fluoranthene	< 167		µg/kg wet	167						
Benzoic acid	< 330		µg/kg wet	330						
Benzyl alcohol	< 330		µg/kg wet	330						
Bis(2-chloroethoxy)methane	< 330		µg/kg wet	330						
Bis(2-chloroethyl)ether	< 167		µg/kg wet	167						
Bis(2-chloroisopropyl)ether	< 167		µg/kg wet	167						
Bis(2-ethylhexyl)phthalate	< 167		µg/kg wet	167						
4-Bromophenyl phenyl ether	< 330		µg/kg wet	330						
Butyl benzyl phthalate	< 330		µg/kg wet	330						
Carbazole	< 167		µg/kg wet	167						
4-Chloro-3-methylphenol	< 330		µg/kg wet	330						
4-Chloroaniline	< 167		µg/kg wet	167						
2-Chloronaphthalene	< 330		µg/kg wet	330						
2-Chlorophenol	< 167		µg/kg wet	167						
4-Chlorophenyl phenyl ether	< 330		µg/kg wet	330						
Chrysene	< 167		µg/kg wet	167						
Dibenzo (a,h) anthracene	< 167		µg/kg wet	167						
Dibenzofuran	< 167		µg/kg wet	167						
1,2-Dichlorobenzene	< 330		µg/kg wet	330						
1,3-Dichlorobenzene	< 330		µg/kg wet	330						
1,4-Dichlorobenzene	< 330		µg/kg wet	330						
3,3´-Dichlorobenzidine	< 330		µg/kg wet	330						
2,4-Dichlorophenol	< 167		µg/kg wet	167						
Diethyl phthalate	< 330		µg/kg wet	330						
Dimethyl phthalate	< 330		µg/kg wet	330						
2,4-Dimethylphenol	< 330		µg/kg wet	330						
Di-n-butyl phthalate	< 330		µg/kg wet	330						
4,6-Dinitro-2-methylphenol	< 330		µg/kg wet	330						
2,4-Dinitrophenol	< 330		µg/kg wet	330						
2,4-Dinitrotoluene	< 167		µg/kg wet	167						
2,6-Dinitrotoluene	< 167		µg/kg wet	167						
Di-n-octyl phthalate	< 330		µg/kg wet	330						
Fluoranthene	< 167		µg/kg wet	167						
Fluorene	< 167		µg/kg wet	167						
Hexachlorobenzene	< 167		µg/kg wet	167						
Hexachlorobutadiene	< 167		µg/kg wet	167						
Hexachlorocyclopentadiene	< 167		µg/kg wet	167						
Hexachloroethane	< 167		µg/kg wet	167						
Indeno (1,2,3-cd) pyrene	< 167		µg/kg wet	167						
Isophorone	< 167		µg/kg wet	167						
2-Methylnaphthalene	< 167		µg/kg wet	167						
2-Methylphenol	< 330		µg/kg wet	330						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1214507 - SW846 3545A										
Blank (1214507-BLK1)					Prepared: 19-Jun-12 Analyzed: 20-Jun-12					
3 & 4-Methylphenol	< 330		µg/kg wet	330						
Naphthalene	< 167		µg/kg wet	167						
2-Nitroaniline	< 330		µg/kg wet	330						
3-Nitroaniline	< 330		µg/kg wet	330						
4-Nitroaniline	< 167		µg/kg wet	167						
Nitrobenzene	< 167		µg/kg wet	167						
2-Nitrophenol	< 167		µg/kg wet	167						
4-Nitrophenol	< 1320		µg/kg wet	1320						
N-Nitrosodimethylamine	< 167		µg/kg wet	167						
N-Nitrosodi-n-propylamine	< 167		µg/kg wet	167						
N-Nitrosodiphenylamine	< 330		µg/kg wet	330						
Pentachlorophenol	< 330		µg/kg wet	330						
Phenanthrene	< 167		µg/kg wet	167						
Phenol	< 330		µg/kg wet	330						
Pyrene	< 167		µg/kg wet	167						
Pyridine	< 330		µg/kg wet	330						
1,2,4-Trichlorobenzene	< 330		µg/kg wet	330						
1-Methylnaphthalene	< 167		µg/kg wet	167						
2,4,5-Trichlorophenol	< 330		µg/kg wet	330						
2,4,6-Trichlorophenol	< 167		µg/kg wet	167						
Pentachloronitrobenzene	< 330		µg/kg wet	330						
1,2,4,5-Tetrachlorobenzene	< 330		µg/kg wet	330						
Surrogate: 2-Fluorobiphenyl	*538*		µg/kg wet		*1670*		*32*	*30-130*		
Surrogate: 2-Fluorophenol	*596*		µg/kg wet		*1670*		*36*	*30-130*		
Surrogate: Nitrobenzene-d5	*527*		µg/kg wet		*1670*		*32*	*30-130*		
Surrogate: Phenol-d5	*507*		µg/kg wet		*1670*		*30*	*30-130*		
Surrogate: Terphenyl-dl4	*704*		µg/kg wet		*1670*		*42*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*555*		µg/kg wet		*1670*		*33*	*30-130*		
LCS (1214507-BS1)					Prepared: 19-Jun-12 Analyzed: 20-Jun-12					
Acenaphthene	**1210**		µg/kg wet	167	1670		72	40-130		
Acenaphthylene	**1190**		µg/kg wet	167	1670		72	40-130		
Aniline	**1130**		µg/kg wet	330	1670		68	40-130		
Anthracene	**1270**		µg/kg wet	167	1670		76	40-130		
Azobenzene/Diphenyldiazine	**1160**		µg/kg wet	330	1670		70	40-130		
Benzidine	**1170**		µg/kg wet	330	1670		70	40-140		
Benzo (a) anthracene	**1270**		µg/kg wet	167	1670		76	40-130		
Benzo (a) pyrene	**1200**		µg/kg wet	167	1670		72	40-130		
Benzo (b) fluoranthene	**1120**		µg/kg wet	167	1670		67	40-130		
Benzo (g,h,i) perylene	**1230**		µg/kg wet	167	1670		74	40-130		
Benzo (k) fluoranthene	**1380**		µg/kg wet	167	1670		83	40-130		
Benzoic acid	**712**		µg/kg wet	330	1670		43	40-130		
Benzyl alcohol	**1050**		µg/kg wet	330	1670		63	40-130		
Bis(2-chloroethoxy)methane	**962**		µg/kg wet	330	1670		58	40-130		
Bis(2-chloroethyl)ether	**1050**		µg/kg wet	167	1670		63	40-130		
Bis(2-chloroisopropyl)ether	**996**		µg/kg wet	167	1670		60	40-130		
Bis(2-ethylhexyl)phthalate	**1220**		µg/kg wet	167	1670		73	40-130		
4-Bromophenyl phenyl ether	**1280**		µg/kg wet	330	1670		77	40-130		
Butyl benzyl phthalate	**1150**		µg/kg wet	330	1670		69	40-130		
Carbazole	**1530**		µg/kg wet	167	1670		92	40-130		
4-Chloro-3-methylphenol	**1220**		µg/kg wet	330	1670		73	40-130		
4-Chloroaniline	**1100**		µg/kg wet	167	1670		66	40-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1214507 - SW846 3545A										
LCS (1214507-BS1)					Prepared: 19-Jun-12 Analyzed: 20-Jun-12					
2-Chloronaphthalene	**1290**		µg/kg wet	330	1670		78	40-130		
2-Chlorophenol	**1310**		µg/kg wet	167	1670		79	40-130		
4-Chlorophenyl phenyl ether	**1180**		µg/kg wet	330	1670		71	40-130		
Chrysene	**1210**		µg/kg wet	167	1670		72	40-130		
Dibenzo (a,h) anthracene	**1300**		µg/kg wet	167	1670		78	40-130		
Dibenzofuran	**1190**		µg/kg wet	167	1670		71	40-130		
1,2-Dichlorobenzene	**1280**		µg/kg wet	330	1670		77	40-130		
1,3-Dichlorobenzene	**1260**		µg/kg wet	330	1670		76	40-130		
1,4-Dichlorobenzene	**1270**		µg/kg wet	330	1670		76	40-130		
3,3´-Dichlorobenzidine	**1600**		µg/kg wet	330	1670		96	40-130		
2,4-Dichlorophenol	**1280**		µg/kg wet	167	1670		76	40-130		
Diethyl phthalate	**1140**		µg/kg wet	330	1670		68	40-130		
Dimethyl phthalate	**1180**		µg/kg wet	330	1670		71	40-130		
2,4-Dimethylphenol	**1110**		µg/kg wet	330	1670		67	40-130		
Di-n-butyl phthalate	**1300**		µg/kg wet	330	1670		78	40-130		
4,6-Dinitro-2-methylphenol	**1520**		µg/kg wet	330	1670		91	40-130		
2,4-Dinitrophenol	**1030**		µg/kg wet	330	1670		62	40-130		
2,4-Dinitrotoluene	**1620**		µg/kg wet	167	1670		97	40-130		
2,6-Dinitrotoluene	**1560**		µg/kg wet	167	1670		94	40-130		
Di-n-octyl phthalate	**1190**		µg/kg wet	330	1670		72	40-130		
Fluoranthene	**1220**		µg/kg wet	167	1670		73	40-130		
Fluorene	**1170**		µg/kg wet	167	1670		70	40-130		
Hexachlorobenzene	**1450**		µg/kg wet	167	1670		87	40-130		
Hexachlorobutadiene	**1030**		µg/kg wet	167	1670		62	40-130		
Hexachlorocyclopentadiene	**883**		µg/kg wet	167	1670		53	40-130		
Hexachloroethane	**1180**		µg/kg wet	167	1670		71	40-130		
Indeno (1,2,3-cd) pyrene	**1160**		µg/kg wet	167	1670		69	40-130		
Isophorone	**997**		µg/kg wet	167	1670		60	40-130		
2-Methylnaphthalene	**1250**		µg/kg wet	167	1670		75	40-130		
2-Methylphenol	**1230**		µg/kg wet	330	1670		74	40-130		
3 & 4-Methylphenol	**1260**		µg/kg wet	330	1670		75	40-130		
Naphthalene	**1120**		µg/kg wet	167	1670		67	40-130		
2-Nitroaniline	**1350**		µg/kg wet	330	1670		81	40-130		
3-Nitroaniline	**1300**		µg/kg wet	330	1670		78	40-130		
4-Nitroaniline	**1510**		µg/kg wet	167	1670		91	40-130		
Nitrobenzene	**1080**		µg/kg wet	167	1670		65	40-130		
2-Nitrophenol	**1420**		µg/kg wet	167	1670		85	40-130		
4-Nitrophenol	**1340**		µg/kg wet	1320	1670		80	40-130		
N-Nitrosodimethylamine	**1090**		µg/kg wet	167	1670		66	40-130		
N-Nitrosodi-n-propylamine	**1070**		µg/kg wet	167	1670		64	40-130		
N-Nitrosodiphenylamine	**1450**		µg/kg wet	330	1670		87	40-130		
Pentachlorophenol	**1380**		µg/kg wet	330	1670		83	40-130		
Phenanthrene	**1290**		µg/kg wet	167	1670		78	40-130		
Phenol	**1210**		µg/kg wet	330	1670		73	40-130		
Pyrene	**1200**		µg/kg wet	167	1670		72	40-130		
Pyridine	**1020**		µg/kg wet	330	1670		61	40-140		
1,2,4-Trichlorobenzene	**1200**		µg/kg wet	330	1670		72	40-130		
1-Methylnaphthalene	**1280**		µg/kg wet	167	1670		76	40-140		
2,4,5-Trichlorophenol	**1370**		µg/kg wet	330	1670		82	40-130		
2,4,6-Trichlorophenol	**1280**		µg/kg wet	167	1670		77	40-130		
Pentachloronitrobenzene	**1480**		µg/kg wet	330	1670		89	40-140		
1,2,4,5-Tetrachlorobenzene	**1280**		µg/kg wet	330	1670		77	40-140		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1214507 - SW846 3545A										
LCS (1214507-BS1)					Prepared: 19-Jun-12 Analyzed: 20-Jun-12					
Surrogate: 2-Fluorobiphenyl	*1200*		µg/kg wet		*1670*		*72*	*30-130*		
Surrogate: 2-Fluorophenol	*1210*		µg/kg wet		*1670*		*73*	*30-130*		
Surrogate: Nitrobenzene-d5	*1130*		µg/kg wet		*1670*		*68*	*30-130*		
Surrogate: Phenol-d5	*1160*		µg/kg wet		*1670*		*70*	*30-130*		
Surrogate: Terphenyl-dl4	*1400*		µg/kg wet		*1670*		*84*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*1420*		µg/kg wet		*1670*		*85*	*30-130*		
Duplicate (1214507-DUP1)			**Source: SB51176-03**		Prepared: 19-Jun-12 Analyzed: 22-Jun-12					
Acenaphthene	< 186		µg/kg dry	186		BRL				50
Acenaphthylene	< 186		µg/kg dry	186		BRL				50
Aniline	< 368		µg/kg dry	368		BRL				50
Anthracene	< 186		µg/kg dry	186		BRL				50
Azobenzene/Diphenyldiazine	< 368		µg/kg dry	368		BRL				50
Benzidine	< 368		µg/kg dry	368		BRL				50
Benzo (a) anthracene	< 186		µg/kg dry	186		BRL				50
Benzo (a) pyrene	< 186		µg/kg dry	186		BRL				50
Benzo (b) fluoranthene	< 186		µg/kg dry	186		BRL				50
Benzo (g,h,i) perylene	< 186		µg/kg dry	186		BRL				50
Benzo (k) fluoranthene	< 186		µg/kg dry	186		BRL				50
Benzoic acid	< 368		µg/kg dry	368		BRL				50
Benzyl alcohol	< 368		µg/kg dry	368		BRL				50
Bis(2-chloroethoxy)methane	< 368		µg/kg dry	368		BRL				50
Bis(2-chloroethyl)ether	< 186		µg/kg dry	186		BRL				50
Bis(2-chloroisopropyl)ether	< 186		µg/kg dry	186		BRL				50
Bis(2-ethylhexyl)phthalate	**20.5**	J	µg/kg dry	186		BRL				50
4-Bromophenyl phenyl ether	< 368		µg/kg dry	368		BRL				50
Butyl benzyl phthalate	< 368		µg/kg dry	368		BRL				50
Carbazole	< 186		µg/kg dry	186		BRL				50
4-Chloro-3-methylphenol	< 368		µg/kg dry	368		BRL				50
4-Chloroaniline	< 186		µg/kg dry	186		BRL				50
2-Chloronaphthalene	< 368		µg/kg dry	368		BRL				50
2-Chlorophenol	< 186		µg/kg dry	186		BRL				50
4-Chlorophenyl phenyl ether	< 368		µg/kg dry	368		BRL				50
Chrysene	< 186		µg/kg dry	186		BRL				50
Dibenzo (a,h) anthracene	< 186		µg/kg dry	186		BRL				50
Dibenzofuran	< 186		µg/kg dry	186		BRL				50
1,2-Dichlorobenzene	< 368		µg/kg dry	368		BRL				50
1,3-Dichlorobenzene	< 368		µg/kg dry	368		BRL				50
1,4-Dichlorobenzene	< 368		µg/kg dry	368		BRL				50
3,3´-Dichlorobenzidine	< 368		µg/kg dry	368		BRL				50
2,4-Dichlorophenol	< 186		µg/kg dry	186		BRL				50
Diethyl phthalate	< 368		µg/kg dry	368		BRL				50
Dimethyl phthalate	< 368		µg/kg dry	368		BRL				50
2,4-Dimethylphenol	< 368		µg/kg dry	368		BRL				50
Di-n-butyl phthalate	< 368		µg/kg dry	368		BRL				50
4,6-Dinitro-2-methylphenol	< 368		µg/kg dry	368		BRL				50
2,4-Dinitrophenol	< 368		µg/kg dry	368		BRL				50
2,4-Dinitrotoluene	< 186		µg/kg dry	186		BRL				50
2,6-Dinitrotoluene	< 186		µg/kg dry	186		BRL				50
Di-n-octyl phthalate	< 368		µg/kg dry	368		BRL				50
Fluoranthene	< 186		µg/kg dry	186		BRL				50
Fluorene	< 186		µg/kg dry	186		BRL				50

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1214507 - SW846 3545A										
Duplicate (1214507-DUP1)			**Source: SB51176-03**		Prepared: 19-Jun-12 Analyzed: 22-Jun-12					
Hexachlorobenzene	< 186		µg/kg dry	186		BRL				50
Hexachlorobutadiene	< 186		µg/kg dry	186		BRL				50
Hexachlorocyclopentadiene	< 186		µg/kg dry	186		BRL				50
Hexachloroethane	< 186		µg/kg dry	186		BRL				50
Indeno (1,2,3-cd) pyrene	< 186		µg/kg dry	186		BRL				50
Isophorone	< 186		µg/kg dry	186		BRL				50
2-Methylnaphthalene	< 186		µg/kg dry	186		BRL				50
2-Methylphenol	< 368		µg/kg dry	368		BRL				50
3 & 4-Methylphenol	< 368		µg/kg dry	368		BRL				50
Naphthalene	< 186		µg/kg dry	186		BRL				50
2-Nitroaniline	< 368		µg/kg dry	368		BRL				50
3-Nitroaniline	< 368		µg/kg dry	368		BRL				50
4-Nitroaniline	< 186		µg/kg dry	186		BRL				50
Nitrobenzene	< 186		µg/kg dry	186		BRL				50
2-Nitrophenol	< 186		µg/kg dry	186		BRL				50
4-Nitrophenol	< 1470		µg/kg dry	1470		BRL				50
N-Nitrosodimethylamine	< 186		µg/kg dry	186		BRL				50
N-Nitrosodi-n-propylamine	< 186		µg/kg dry	186		BRL				50
N-Nitrosodiphenylamine	< 368		µg/kg dry	368		BRL				50
Pentachlorophenol	< 368		µg/kg dry	368		BRL				50
Phenanthrene	< 186		µg/kg dry	186		BRL				50
Phenol	< 368		µg/kg dry	368		BRL				50
Pyrene	< 186		µg/kg dry	186		BRL				50
Pyridine	< 368		µg/kg dry	368		BRL				50
1,2,4-Trichlorobenzene	< 368		µg/kg dry	368		BRL				50
1-Methylnaphthalene	< 186		µg/kg dry	186		BRL				50
2,4,5-Trichlorophenol	< 368		µg/kg dry	368		BRL				50
2,4,6-Trichlorophenol	< 186		µg/kg dry	186		BRL				50
Pentachloronitrobenzene	< 368		µg/kg dry	368		BRL				50
1,2,4,5-Tetrachlorobenzene	< 368		µg/kg dry	368		BRL				50
Surrogate: 2-Fluorobiphenyl	*1160*		µg/kg dry		*1860*		*62*	*30-130*		
Surrogate: 2-Fluorophenol	*1180*		µg/kg dry		*1860*		*63*	*30-130*		
Surrogate: Nitrobenzene-d5	*936*		µg/kg dry		*1860*		*50*	*30-130*		
Surrogate: Phenol-d5	*1260*		µg/kg dry		*1860*		*68*	*30-130*		
Surrogate: Terphenyl-dl4	*1460*		µg/kg dry		*1860*		*79*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*1060*		µg/kg dry		*1860*		*57*	*30-130*		
Matrix Spike (1214507-MS1)			**Source: SB51176-03**		Prepared: 19-Jun-12 Analyzed: 22-Jun-12					
Acenaphthene	**1100**		µg/kg dry	187	1860	BRL	59	40-140		
Acenaphthylene	**1060**		µg/kg dry	187	1860	BRL	57	40-140		
Aniline	**606**	QM7	µg/kg dry	369	1860	BRL	33	40-140		
Anthracene	**1140**		µg/kg dry	187	1860	BRL	61	40-140		
Azobenzene/Diphenyldiazine	**928**		µg/kg dry	369	1860	BRL	50	40-140		
Benzidine	**760**		µg/kg dry	369	1860	BRL	41	40-140		
Benzo (a) anthracene	**1190**		µg/kg dry	187	1860	BRL	64	40-140		
Benzo (a) pyrene	**1160**		µg/kg dry	187	1860	BRL	63	40-140		
Benzo (b) fluoranthene	**1240**		µg/kg dry	187	1860	BRL	67	40-140		
Benzo (g,h,i) perylene	**1260**		µg/kg dry	187	1860	BRL	68	40-140		
Benzo (k) fluoranthene	**1080**		µg/kg dry	187	1860	BRL	58	40-140		
Benzoic acid	**1720**		µg/kg dry	369	1860	BRL	92	30-130		
Benzyl alcohol	**1350**		µg/kg dry	369	1860	BRL	73	40-140		
Bis(2-chloroethoxy)methane	**886**		µg/kg dry	369	1860	BRL	48	40-140		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1214507 - SW846 3545A										
Matrix Spike (1214507-MS1)			**Source: SB51176-03**		Prepared: 19-Jun-12	Analyzed: 22-Jun-12				
Bis(2-chloroethyl)ether	**1040**		µg/kg dry	187	1860	BRL	56	40-140		
Bis(2-chloroisopropyl)ether	**430**	QM7	µg/kg dry	187	1860	BRL	23	40-140		
Bis(2-ethylhexyl)phthalate	**999**		µg/kg dry	187	1860	BRL	54	40-140		
4-Bromophenyl phenyl ether	**1170**		µg/kg dry	369	1860	BRL	63	40-140		
Butyl benzyl phthalate	**950**		µg/kg dry	369	1860	BRL	51	40-140		
Carbazole	**1360**		µg/kg dry	187	1860	BRL	73	40-140		
4-Chloro-3-methylphenol	**1200**		µg/kg dry	369	1860	BRL	65	30-130		
4-Chloroaniline	**873**		µg/kg dry	187	1860	BRL	47	40-140		
2-Chloronaphthalene	**1090**		µg/kg dry	369	1860	BRL	58	40-140		
2-Chlorophenol	**1260**		µg/kg dry	187	1860	BRL	67	30-130		
4-Chlorophenyl phenyl ether	**1200**		µg/kg dry	369	1860	BRL	64	40-140		
Chrysene	**1130**		µg/kg dry	187	1860	BRL	61	40-140		
Dibenzo (a,h) anthracene	**1230**		µg/kg dry	187	1860	BRL	66	40-140		
Dibenzofuran	**1230**		µg/kg dry	187	1860	BRL	66	40-140		
1,2-Dichlorobenzene	**1120**		µg/kg dry	369	1860	BRL	60	40-140		
1,3-Dichlorobenzene	**1040**		µg/kg dry	369	1860	BRL	56	40-140		
1,4-Dichlorobenzene	**1050**		µg/kg dry	369	1860	BRL	56	40-140		
3,3´-Dichlorobenzidine	**1420**		µg/kg dry	369	1860	BRL	76	40-140		
2,4-Dichlorophenol	**1270**		µg/kg dry	187	1860	BRL	68	30-130		
Diethyl phthalate	**1090**		µg/kg dry	369	1860	BRL	58	40-140		
Dimethyl phthalate	**1080**		µg/kg dry	369	1860	BRL	58	40-140		
2,4-Dimethylphenol	**1250**		µg/kg dry	369	1860	BRL	67	30-130		
Di-n-butyl phthalate	**1200**		µg/kg dry	369	1860	BRL	65	40-140		
4,6-Dinitro-2-methylphenol	**1510**		µg/kg dry	369	1860	BRL	81	30-130		
2,4-Dinitrophenol	**1370**		µg/kg dry	369	1860	BRL	74	30-130		
2,4-Dinitrotoluene	**1350**		µg/kg dry	187	1860	BRL	73	40-140		
2,6-Dinitrotoluene	**1810**		µg/kg dry	187	1860	BRL	97	40-140		
Di-n-octyl phthalate	**909**		µg/kg dry	369	1860	BRL	49	40-140		
Fluoranthene	**1300**		µg/kg dry	187	1860	BRL	70	40-140		
Fluorene	**1210**		µg/kg dry	187	1860	BRL	65	40-140		
Hexachlorobenzene	**1250**		µg/kg dry	187	1860	BRL	67	40-140		
Hexachlorobutadiene	**917**		µg/kg dry	187	1860	BRL	49	40-140		
Hexachlorocyclopentadiene	**492**	QM7	µg/kg dry	187	1860	BRL	26	40-140		
Hexachloroethane	**1020**		µg/kg dry	187	1860	BRL	55	40-140		
Indeno (1,2,3-cd) pyrene	**1300**		µg/kg dry	187	1860	BRL	70	40-140		
Isophorone	**881**		µg/kg dry	187	1860	BRL	47	30-130		
2-Methylnaphthalene	**1130**		µg/kg dry	187	1860	BRL	61	40-140		
2-Methylphenol	**1320**		µg/kg dry	369	1860	BRL	71	30-130		
3 & 4-Methylphenol	**1420**		µg/kg dry	369	1860	BRL	76	30-130		
Naphthalene	**1090**		µg/kg dry	187	1860	BRL	59	40-140		
2-Nitroaniline	**1320**		µg/kg dry	369	1860	BRL	71	40-140		
3-Nitroaniline	**1050**		µg/kg dry	369	1860	BRL	56	40-140		
4-Nitroaniline	**1580**		µg/kg dry	187	1860	BRL	85	40-140		
Nitrobenzene	**1050**		µg/kg dry	187	1860	BRL	56	40-140		
2-Nitrophenol	**1310**		µg/kg dry	187	1860	BRL	70	30-130		
4-Nitrophenol	**1040**		µg/kg dry	1470	1860	BRL	56	30-130		
N-Nitrosodimethylamine	**1020**		µg/kg dry	187	1860	BRL	55	40-140		
N-Nitrosodi-n-propylamine	**993**		µg/kg dry	187	1860	BRL	53	40-140		
N-Nitrosodiphenylamine	**1360**		µg/kg dry	369	1860	BRL	73	40-140		
Pentachlorophenol	**1330**		µg/kg dry	369	1860	BRL	71	30-130		
Phenanthrene	**1140**		µg/kg dry	187	1860	BRL	61	40-140		
Phenol	**1250**		µg/kg dry	369	1860	BRL	67	30-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1214507 - SW846 3545A										
Matrix Spike (1214507-MS1)			**Source: SB51176-03**		Prepared: 19-Jun-12	Analyzed: 22-Jun-12				
Pyrene	**1090**		µg/kg dry	187	1860	BRL	58	40-140		
Pyridine	**980**		µg/kg dry	369	1860	BRL	53	40-140		
1,2,4-Trichlorobenzene	**1060**		µg/kg dry	369	1860	BRL	57	40-140		
1-Methylnaphthalene	**1090**		µg/kg dry	187	1860	BRL	59	40-140		
2,4,5-Trichlorophenol	**1310**		µg/kg dry	369	1860	BRL	70	30-130		
2,4,6-Trichlorophenol	**1270**		µg/kg dry	187	1860	BRL	68	30-130		
Pentachloronitrobenzene	**1070**		µg/kg dry	369	1860	BRL	57	40-140		
1,2,4,5-Tetrachlorobenzene	**1190**		µg/kg dry	369	1860	BRL	64	40-140		
Surrogate: 2-Fluorobiphenyl	*1080*		µg/kg dry		*1860*		*58*	*30-130*		
Surrogate: 2-Fluorophenol	*1060*		µg/kg dry		*1860*		*57*	*30-130*		
Surrogate: Nitrobenzene-d5	*887*		µg/kg dry		*1860*		*48*	*30-130*		
Surrogate: Phenol-d5	*1260*		µg/kg dry		*1860*		*67*	*30-130*		
Surrogate: Terphenyl-dl4	*1380*		µg/kg dry		*1860*		*74*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*1050*		µg/kg dry		*1860*		*57*	*30-130*		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1214634 - SW846 3545A										
Blank (1214634-BLK1)					Prepared: 20-Jun-12 Analyzed: 21-Jun-12					
alpha-BHC	< 5.00		µg/kg wet	5.00						
alpha-BHC [2C]	< 5.00		µg/kg wet	5.00						
beta-BHC	< 5.00		µg/kg wet	5.00						
beta-BHC [2C]	< 5.00		µg/kg wet	5.00						
delta-BHC	< 5.00		µg/kg wet	5.00						
delta-BHC [2C]	< 5.00		µg/kg wet	5.00						
gamma-BHC (Lindane)	< 5.00		µg/kg wet	5.00						
gamma-BHC (Lindane) [2C]	< 5.00		µg/kg wet	5.00						
Heptachlor	< 5.00		µg/kg wet	5.00						
Heptachlor [2C]	< 5.00		µg/kg wet	5.00						
Aldrin	< 5.00		µg/kg wet	5.00						
Aldrin [2C]	< 5.00		µg/kg wet	5.00						
Heptachlor epoxide	< 5.00		µg/kg wet	5.00						
Heptachlor epoxide [2C]	< 5.00		µg/kg wet	5.00						
Endosulfan I	< 5.00		µg/kg wet	5.00						
Endosulfan I [2C]	< 5.00		µg/kg wet	5.00						
Dieldrin	< 5.00		µg/kg wet	5.00						
Dieldrin [2C]	< 5.00		µg/kg wet	5.00						
4,4'-DDE (p,p')	< 5.00		µg/kg wet	5.00						
4,4'-DDE (p,p') [2C]	< 5.00		µg/kg wet	5.00						
Endrin	< 8.00		µg/kg wet	8.00						
Endrin [2C]	< 8.00		µg/kg wet	8.00						
Endosulfan II	< 8.00		µg/kg wet	8.00						
Endosulfan II [2C]	< 8.00		µg/kg wet	8.00						
4,4'-DDD (p,p')	< 8.00		µg/kg wet	8.00						
4,4'-DDD (p,p') [2C]	< 8.00		µg/kg wet	8.00						
Endosulfan sulfate	< 8.00		µg/kg wet	8.00						
Endosulfan sulfate [2C]	< 8.00		µg/kg wet	8.00						
4,4'-DDT (p,p')	< 8.00		µg/kg wet	8.00						
4,4'-DDT (p,p') [2C]	< 8.00		µg/kg wet	8.00						
Methoxychlor	< 8.00		µg/kg wet	8.00						
Methoxychlor [2C]	< 8.00		µg/kg wet	8.00						
Endrin ketone	< 8.00		µg/kg wet	8.00						
Endrin ketone [2C]	< 8.00		µg/kg wet	8.00						
Endrin aldehyde	< 8.00		µg/kg wet	8.00						
Endrin aldehyde [2C]	< 8.00		µg/kg wet	8.00						
alpha-Chlordane	< 5.00		µg/kg wet	5.00						
alpha-Chlordane [2C]	< 5.00		µg/kg wet	5.00						
gamma-Chlordane	< 5.00		µg/kg wet	5.00						
gamma-Chlordane [2C]	< 5.00		µg/kg wet	5.00						
Toxaphene	< 100		µg/kg wet	100						
Toxaphene [2C]	< 100		µg/kg wet	100						
Chlordane	< 20.0		µg/kg wet	20.0						
Chlordane [2C]	< 20.0		µg/kg wet	20.0						
Alachlor	< 5.00		µg/kg wet	5.00						
Alachlor [2C]	< 5.00		µg/kg wet	5.00						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*8.24*		µg/kg wet		*10.0*		*82*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*8.07*		µg/kg wet		*10.0*		*81*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*9.75*		µg/kg wet		*10.0*		*97*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*9.36*		µg/kg wet		*10.0*		*94*	*30-150*		
LCS (1214634-BS1)					Prepared: 20-Jun-12 Analyzed: 21-Jun-12					

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1214634 - SW846 3545A										
LCS (1214634-BS1)					Prepared: 20-Jun-12 Analyzed: 21-Jun-12					
alpha-BHC	**18.4**		µg/kg wet	5.00	25.0		73	40-140		
alpha-BHC [2C]	**19.1**		µg/kg wet	5.00	25.0		76	40-140		
beta-BHC	**17.9**		µg/kg wet	5.00	25.0		72	40-140		
beta-BHC [2C]	**18.7**		µg/kg wet	5.00	25.0		75	40-140		
delta-BHC	**21.1**		µg/kg wet	5.00	25.0		84	40-140		
delta-BHC [2C]	**21.5**		µg/kg wet	5.00	25.0		86	40-140		
gamma-BHC (Lindane)	**18.2**		µg/kg wet	5.00	25.0		73	50-120		
gamma-BHC (Lindane) [2C]	**18.7**		µg/kg wet	5.00	25.0		75	50-120		
Heptachlor	**17.6**		µg/kg wet	5.00	25.0		70	40-140		
Heptachlor [2C]	**18.1**		µg/kg wet	5.00	25.0		73	40-140		
Aldrin	**19.1**		µg/kg wet	5.00	25.0		77	40-140		
Aldrin [2C]	**19.7**		µg/kg wet	5.00	25.0		79	40-140		
Heptachlor epoxide	**18.0**		µg/kg wet	5.00	25.0		72	50-140		
Heptachlor epoxide [2C]	**18.8**		µg/kg wet	5.00	25.0		75	50-140		
Endosulfan I	**18.3**		µg/kg wet	5.00	25.0		73	40-140		
Endosulfan I [2C]	**19.1**		µg/kg wet	5.00	25.0		77	40-140		
Dieldrin	**17.5**		µg/kg wet	5.00	25.0		70	40-130		
Dieldrin [2C]	**18.4**		µg/kg wet	5.00	25.0		74	40-130		
4,4'-DDE (p,p')	**18.1**		µg/kg wet	5.00	25.0		72	50-140		
4,4'-DDE (p,p') [2C]	**19.5**		µg/kg wet	5.00	25.0		78	50-140		
Endrin	**17.1**		µg/kg wet	8.00	25.0		68	50-120		
Endrin [2C]	**19.1**		µg/kg wet	8.00	25.0		77	50-120		
Endosulfan II	**18.0**		µg/kg wet	8.00	25.0		72	40-140		
Endosulfan II [2C]	**18.9**		µg/kg wet	8.00	25.0		75	40-140		
4,4'-DDD (p,p')	**18.2**		µg/kg wet	8.00	25.0		73	40-140		
4,4'-DDD (p,p') [2C]	**19.8**		µg/kg wet	8.00	25.0		79	40-140		
Endosulfan sulfate	**20.1**		µg/kg wet	8.00	25.0		80	50-120		
Endosulfan sulfate [2C]	**20.3**		µg/kg wet	8.00	25.0		81	50-120		
4,4'-DDT (p,p')	**17.9**		µg/kg wet	8.00	25.0		72	40-140		
4,4'-DDT (p,p') [2C]	**18.6**		µg/kg wet	8.00	25.0		74	40-140		
Methoxychlor	**16.8**		µg/kg wet	8.00	25.0		67	40-140		
Methoxychlor [2C]	**19.1**		µg/kg wet	8.00	25.0		76	40-140		
Endrin ketone	**19.5**		µg/kg wet	8.00	25.0		78	40-140		
Endrin ketone [2C]	**19.4**		µg/kg wet	8.00	25.0		78	40-140		
Endrin aldehyde	**24.8**		µg/kg wet	8.00	25.0		99	40-140		
Endrin aldehyde [2C]	**26.9**		µg/kg wet	8.00	25.0		108	40-140		
alpha-Chlordane	**18.0**		µg/kg wet	5.00	25.0		72	40-140		
alpha-Chlordane [2C]	**20.2**		µg/kg wet	5.00	25.0		81	40-140		
gamma-Chlordane	**19.3**		µg/kg wet	5.00	25.0		77	40-130		
gamma-Chlordane [2C]	**19.9**		µg/kg wet	5.00	25.0		80	40-130		
Alachlor	**17.5**		µg/kg wet	5.00	25.0		70	40-140		
Alachlor [2C]	**15.7**		µg/kg wet	5.00	25.0		63	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*7.74*		µg/kg wet		*10.0*		*77*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*7.85*		µg/kg wet		*10.0*		*79*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*8.25*		µg/kg wet		*10.0*		*83*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*9.08*		µg/kg wet		*10.0*		*91*	*30-150*		
LCS Dup (1214634-BSD1)					Prepared: 20-Jun-12 Analyzed: 21-Jun-12					
alpha-BHC	**19.9**		µg/kg wet	5.00	25.0		80	40-140	8	30
alpha-BHC [2C]	**20.4**		µg/kg wet	5.00	25.0		82	40-140	7	30
beta-BHC	**19.0**		µg/kg wet	5.00	25.0		76	40-140	6	30
beta-BHC [2C]	**19.8**		µg/kg wet	5.00	25.0		79	40-140	6	30

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1214634 - SW846 3545A										
LCS Dup (1214634-BSD1)					Prepared: 20-Jun-12 Analyzed: 21-Jun-12					
delta-BHC	**22.2**		µg/kg wet	5.00	25.0		89	40-140	5	30
delta-BHC [2C]	**23.1**		µg/kg wet	5.00	25.0		93	40-140	7	30
gamma-BHC (Lindane)	**19.6**		µg/kg wet	5.00	25.0		78	50-120	7	30
gamma-BHC (Lindane) [2C]	**20.1**		µg/kg wet	5.00	25.0		80	50-120	7	30
Heptachlor	**19.1**		µg/kg wet	5.00	25.0		77	40-140	8	30
Heptachlor [2C]	**19.4**		µg/kg wet	5.00	25.0		78	40-140	7	30
Aldrin	**20.5**		µg/kg wet	5.00	25.0		82	40-140	7	30
Aldrin [2C]	**21.2**		µg/kg wet	5.00	25.0		85	40-140	7	30
Heptachlor epoxide	**19.1**		µg/kg wet	5.00	25.0		76	50-140	6	30
Heptachlor epoxide [2C]	**20.1**		µg/kg wet	5.00	25.0		80	50-140	7	30
Endosulfan I	**19.2**		µg/kg wet	5.00	25.0		77	40-140	5	30
Endosulfan I [2C]	**20.2**		µg/kg wet	5.00	25.0		81	40-140	5	30
Dieldrin	**18.4**		µg/kg wet	5.00	25.0		74	40-130	5	30
Dieldrin [2C]	**19.7**		µg/kg wet	5.00	25.0		79	40-130	6	30
4,4'-DDE (p,p')	**19.0**		µg/kg wet	5.00	25.0		76	50-140	5	30
4,4'-DDE (p,p') [2C]	**20.5**		µg/kg wet	5.00	25.0		82	50-140	5	30
Endrin	**18.2**		µg/kg wet	8.00	25.0		73	50-120	6	30
Endrin [2C]	**20.4**		µg/kg wet	8.00	25.0		82	50-120	7	30
Endosulfan II	**18.9**		µg/kg wet	8.00	25.0		75	40-140	5	30
Endosulfan II [2C]	**20.5**		µg/kg wet	8.00	25.0		82	40-140	8	30
4,4'-DDD (p,p')	**19.1**		µg/kg wet	8.00	25.0		76	40-140	5	30
4,4'-DDD (p,p') [2C]	**21.1**		µg/kg wet	8.00	25.0		84	40-140	6	30
Endosulfan sulfate	**21.3**		µg/kg wet	8.00	25.0		85	50-120	6	30
Endosulfan sulfate [2C]	**21.5**		µg/kg wet	8.00	25.0		86	50-120	6	30
4,4'-DDT (p,p')	**18.7**		µg/kg wet	8.00	25.0		75	40-140	5	30
4,4'-DDT (p,p') [2C]	**20.5**		µg/kg wet	8.00	25.0		82	40-140	10	30
Methoxychlor	**19.6**		µg/kg wet	8.00	25.0		79	40-140	15	30
Methoxychlor [2C]	**20.3**		µg/kg wet	8.00	25.0		81	40-140	6	30
Endrin ketone	**20.5**		µg/kg wet	8.00	25.0		82	40-140	5	30
Endrin ketone [2C]	**20.7**		µg/kg wet	8.00	25.0		83	40-140	6	30
Endrin aldehyde	**28.1**		µg/kg wet	8.00	25.0		112	40-140	12	30
Endrin aldehyde [2C]	**28.5**		µg/kg wet	8.00	25.0		114	40-140	6	30
alpha-Chlordane	**20.5**		µg/kg wet	5.00	25.0		82	40-140	13	30
alpha-Chlordane [2C]	**21.4**		µg/kg wet	5.00	25.0		86	40-140	6	30
gamma-Chlordane	**20.3**		µg/kg wet	5.00	25.0		81	40-130	5	30
gamma-Chlordane [2C]	**21.3**		µg/kg wet	5.00	25.0		85	40-130	7	30
Alachlor	**18.3**		µg/kg wet	5.00	25.0		73	40-140	4	30
Alachlor [2C]	**17.1**		µg/kg wet	5.00	25.0		69	40-140	9	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*8.10*		µg/kg wet		*10.0*		*81*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*8.24*		µg/kg wet		*10.0*		*82*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*9.84*		µg/kg wet		*10.0*		*98*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*9.51*		µg/kg wet		*10.0*		*95*	*30-150*		

Extractable Petroleum Hydrocarbons - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1214499 - SW846 3545A										
Blank (1214499-BLK1)					Prepared: 19-Jun-12 Analyzed: 20-Jun-12					
Gasoline	< 13.3		mg/kg wet	13.3						
Fuel Oil #2	< 13.3		mg/kg wet	13.3						
Fuel Oil #4	< 13.3		mg/kg wet	13.3						
Fuel Oil #6	< 13.3		mg/kg wet	13.3						
Motor Oil	< 13.3		mg/kg wet	13.3						
Aviation Fuel	< 13.3		mg/kg wet	13.3						
Unidentified	< 13.3		mg/kg wet	13.3						
Other Oil	< 13.3		mg/kg wet	13.3						
Total Petroleum Hydrocarbons	< 13.3		mg/kg wet	13.3						
C9-C36 Aliphatic Hydrocarbons	< 13.3		mg/kg wet	13.3						
n-Nonadecane	< 0.002		mg/kg wet	0.002						
n-Nonane	< 0.002		mg/kg wet	0.002						
n-Decane	< 0.002		mg/kg wet	0.002						
n-Dodecane	< 0.002		mg/kg wet	0.002						
n-Tetradecane	< 0.002		mg/kg wet	0.002						
n-Hexadecane	< 0.002		mg/kg wet	0.002						
n-Octadecane	< 0.002		mg/kg wet	0.002						
n-Eicosane	< 0.002		mg/kg wet	0.002						
n-Docosane	< 0.002		mg/kg wet	0.002						
n-Tetracosane	< 0.002		mg/kg wet	0.002						
n-Hexacosane	< 0.002		mg/kg wet	0.002						
n-Octacosane	< 0.002		mg/kg wet	0.002						
n-Triacontane	< 0.002		mg/kg wet	0.002						
n-Hexatriacontane	< 0.002		mg/kg wet	0.002						
Surrogate: 1-Chlorooctadecane	*3.20*		mg/kg wet		*3.33*		*96*	*50-150*		
LCS (1214499-BS1)					Prepared: 19-Jun-12 Analyzed: 20-Jun-12					
C9-C36 Aliphatic Hydrocarbons	**68.2**		mg/kg wet	13.3	93.3		73	60-120		
Surrogate: 1-Chlorooctadecane	*2.87*		mg/kg wet		*3.33*		*86*	*50-150*		

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

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1214515 - SW846 3050B										
Blank (1214515-BLK1)					Prepared: 19-Jun-12 Analyzed: 20-Jun-12					
Lead	< 1.40		mg/kg wet	1.40						
Selenium	< 1.40		mg/kg wet	1.40						
Silver	< 1.40		mg/kg wet	1.40						
Arsenic	< 1.40		mg/kg wet	1.40						
Chromium	< 0.934		mg/kg wet	0.934						
Cadmium	< 0.467		mg/kg wet	0.467						
Barium	< 0.934		mg/kg wet	0.934						
Reference (1214515-SRM1)					Prepared: 19-Jun-12 Analyzed: 20-Jun-12					
Selenium	**37.3**		mg/kg wet	1.50	43.4		86	80.1-120.3		
Lead	**39.7**		mg/kg wet	1.50	46.1		86	82.2-117.6		
Silver	**17.0**		mg/kg wet	1.50	17.3		98	66.3-134		
Arsenic	**40.8**		mg/kg wet	1.50	47.4		86	82.3-117.4		
Cadmium	**28.5**		mg/kg wet	0.500	30.4		94	83.1-116.8		
Chromium	**33.8**		mg/kg wet	1.00	35.3		96	81.8-118.1		
Barium	**81.8**		mg/kg wet	1.00	83.8		98	83.83-115.6		
Reference (1214515-SRM2)					Prepared: 19-Jun-12 Analyzed: 20-Jun-12					
Lead	**40.2**		mg/kg wet	1.50	47.0		86	82.2-117.6		
Selenium	**38.8**		mg/kg wet	1.50	44.2		88	80.1-120.3		
Arsenic	**41.7**		mg/kg wet	1.50	48.4		86	82.3-117.4		
Cadmium	**29.3**		mg/kg wet	0.500	31.0		95	83.1-116.8		
Chromium	**34.3**		mg/kg wet	1.00	36.0		95	81.8-118.1		
Silver	**17.3**		mg/kg wet	1.50	17.6		98	66.3-134		
Barium	**92.0**		mg/kg wet	1.00	85.5		108	83.83-115.6		
Batch 1214517 - EPA200/SW7000 Series										
Blank (1214517-BLK1)					Prepared & Analyzed: 19-Jun-12					
Mercury	< 0.0280		mg/kg wet	0.0280						
Duplicate (1214517-DUP1)			**Source: SB51176-04**		Prepared & Analyzed: 19-Jun-12					
Mercury	< 0.0316		mg/kg dry	0.0316		BRL				20
Matrix Spike (1214517-MS1)			**Source: SB51176-04**		Prepared & Analyzed: 19-Jun-12					
Mercury	**0.251**		mg/kg dry	0.0320	0.222	BRL	113	75-125		
Matrix Spike Dup (1214517-MSD1)			**Source: SB51176-04**		Prepared & Analyzed: 19-Jun-12					
Mercury	**0.244**		mg/kg dry	0.0316	0.220	BRL	111	75-125	3	20
Post Spike (1214517-PS1)			**Source: SB51176-04**		Prepared & Analyzed: 19-Jun-12					
Mercury	**0.255**		mg/kg dry	0.0324	0.225	BRL	113	80-120		
Reference (1214517-SRM1)					Prepared & Analyzed: 19-Jun-12					
Mercury	**1.04**		mg/kg wet	0.300	0.945		110	71.6-128.1		

General Chemistry Parameters - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1214526 - General Preparation										
LCS (1214526-BS1)						Prepared & Analyzed: 19-Jun-12				
Specific Conductance (EC)	**963**		uS/cm	10.0	1000		96	95-105		
Reference (1214526-SRM1)						Prepared & Analyzed: 19-Jun-12				
Specific Conductance (EC)	**206**		uS/cm	10.0	200		103	80-120		

Toxicity Characteristics - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1214598 - General Preparation										
Blank (1214598-BLK1)						Prepared & Analyzed: 19-Jun-12				
Reactivity	**Nonreactive**		mg/kg wet							
Reactive Cyanide	< 25.0		mg/kg wet	25.0						
Reactive Sulfide	< 50.0		mg/kg wet	50.0						
Reference (1214598-SRM1)						Prepared & Analyzed: 19-Jun-12				
Reactive Cyanide	**3.81**		mg/kg wet	25.0	100		4	0-200		
Reference (1214598-SRM2)						Prepared & Analyzed: 19-Jun-12				
Reactive Sulfide	**124**		mg/kg wet	50.0	6700		2	0-200		

Extractable Petroleum Hydrocarbons - CCV Evaluation Report

Analyte(s)	Average RF	CCRF	% D	Limit
Batch S207084				
Initial Cal Check (S207084-ICV1)				
C9-C36 Aliphatic Hydrocarbons	6.661435E+08	4.328447E+08	3.6	30
n-Nonadecane	3.83221E+08	3.864184E+08	0.8	30
n-Nonane	3.760245E+08	3.810221E+08	1.3	30
n-Decane	3.778375E+08	3.834961E+08	1.5	30
n-Dodecane	3.788807E+08	3.871111E+08	2.2	30
n-Tetradecane	3.809677E+08	3.850187E+08	1.1	30
n-Hexadecane	4.009974E+08	3.887511E+08	-3.1	30
n-Octadecane	3.8215E+08	3.875529E+08	1.4	30
n-Eicosane	3.817038E+08	3.832283E+08	0.4	30
n-Docosane	3.842103E+08	3.831643E+08	-0.3	30
n-Tetracosane	3.785843E+08	3.794521E+08	0.2	30
n-Hexacosane	3.799583E+08	3.767443E+08	-0.8	30
n-Octacosane	3.763625E+08	3.634367E+08	-3.4	30
n-Triacontane	3.74937E+08	3.708258E+08	-1.1	30
n-Hexatriacontane	3.62442E+08	3.495067E+08	-3.6	30

Extractable Petroleum Hydrocarbons - CCV Evaluation Report

Analyte(s)	Average RF	CCRF	% D	Limit
Batch S207446				
Calibration Check (S207446-CCV1)				
C9-C36 Aliphatic Hydrocarbons	6.661435E+08	3.717215E+08	-13.9	30
n-Nonadecane	3.83221E+08	3.336241E+08	-12.9	30
n-Nonane	3.760245E+08	3.13863E+08	-16.5	30
n-Decane	3.778375E+08	3.149585E+08	-16.6	30
n-Dodecane	3.788807E+08	3.15147E+08	-16.8	30
n-Tetradecane	3.809677E+08	3.222412E+08	-15.4	30
n-Hexadecane	4.009974E+08	3.307577E+08	-17.5	30
n-Octadecane	3.8215E+08	3.320482E+08	-13.1	30
n-Eicosane	3.817038E+08	3.319153E+08	-13.0	30
n-Docosane	3.842103E+08	3.325864E+08	-13.4	30
n-Tetracosane	3.785843E+08	3.230601E+08	-14.7	30
n-Hexacosane	3.799583E+08	3.18713E+08	-16.1	30
n-Octacosane	3.763625E+08	3.033947E+08	-19.4	30
n-Triacontane	3.74937E+08	2.936675E+08	-21.7	30
n-Hexatriacontane	3.62442E+08	2.67583E+08	-26.2	30

Extractable Petroleum Hydrocarbons - CCV Evaluation Report

Analyte(s)	Average RF	CCRF	% D	Limit
Batch S207446				
Calibration Check (S207446-CCV2)				
C9-C36 Aliphatic Hydrocarbons	6.661435E+08	4.072243E+08	-3.7	30
n-Nonadecane	3.83221E+08	3.671959E+08	-4.2	30
n-Nonane	3.760245E+08	3.380677E+08	-10.1	30
n-Decane	3.778375E+08	3.397929E+08	-10.1	30
n-Dodecane	3.788807E+08	3.431757E+08	-9.4	30
n-Tetradecane	3.809677E+08	3.548828E+08	-6.8	30
n-Hexadecane	4.009974E+08	3.633982E+08	-9.4	30
n-Octadecane	3.8215E+08	3.655012E+08	-4.4	30
n-Eicosane	3.817038E+08	3.647514E+08	-4.4	30
n-Docosane	3.842103E+08	3.647916E+08	-5.1	30
n-Tetracosane	3.785843E+08	3.53042E+08	-6.7	30
n-Hexacosane	3.799583E+08	3.446E+08	-9.3	30
n-Octacosane	3.763625E+08	3.322562E+08	-11.7	30
n-Triacontane	3.74937E+08	3.216245E+08	-14.2	30
n-Hexatriacontane	3.62442E+08	2.984056E+08	-17.7	30

Extractable Petroleum Hydrocarbons - CCV Evaluation Report

Analyte(s)	Average RF	CCRF	% D	Limit
Batch S207446				
Calibration Check (S207446-CCV3)				
C9-C36 Aliphatic Hydrocarbons	6.661435E+08	4.294732E+08	2.6	30
n-Nonadecane	3.83221E+08	4.019972E+08	4.9	30
n-Nonane	3.760245E+08	3.664515E+08	-2.5	30
n-Decane	3.778375E+08	3.72145E+08	-1.5	30
n-Dodecane	3.788807E+08	3.758015E+08	-0.8	30
n-Tetradecane	3.809677E+08	3.861709E+08	1.4	30
n-Hexadecane	4.009974E+08	3.952118E+08	-1.4	30
n-Octadecane	3.8215E+08	4.030654E+08	5.5	30
n-Eicosane	3.817038E+08	4.000512E+08	4.8	30
n-Docosane	3.842103E+08	4.040282E+08	5.2	30
n-Tetracosane	3.785843E+08	3.901649E+08	3.1	30
n-Hexacosane	3.799583E+08	3.830852E+08	0.8	30
n-Octacosane	3.763625E+08	3.675687E+08	-2.3	30
n-Triacontane	3.74937E+08	3.562172E+08	-5.0	30
n-Hexatriacontane	3.62442E+08	3.302995E+08	-8.9	30

Extractable Petroleum Hydrocarbons - CCV Evaluation Report

Analyte(s)	Average RF	CCRF	% D	Limit
Batch S207446				
Calibration Check (S207446-CCV4)				
C9-C36 Aliphatic Hydrocarbons	6.661435E+08	4.57678E+08	10.7	30
n-Nonadecane	3.83221E+08	3.30062E+08	-13.9	30
n-Nonane	3.760245E+08	2.901924E+08	-22.8	30
n-Decane	3.778375E+08	2.940045E+08	-22.2	30
n-Dodecane	3.788807E+08	2.97464E+08	-21.5	30
n-Tetradecane	3.809677E+08	3.116045E+08	-18.2	30
n-Hexadecane	4.009974E+08	3.243653E+08	-19.1	30
n-Octadecane	3.8215E+08	3.276621E+08	-14.3	30
n-Eicosane	3.817038E+08	3.290533E+08	-13.8	30
n-Docosane	3.842103E+08	3.323018E+08	-13.5	30
n-Tetracosane	3.785843E+08	3.206391E+08	-15.3	30
n-Hexacosane	3.799583E+08	3.136022E+08	-17.5	30
n-Octacosane	3.763625E+08	3.000048E+08	-20.3	30
n-Triacontane	3.74937E+08	2.972806E+08	-20.7	30
n-Hexatriacontane	3.62442E+08	2.794315E+08	-22.9	30

Extractable Petroleum Hydrocarbons - CCV Evaluation Report

Analyte(s)	Average RF	CCRF	% D	Limit
Batch S207446				
Calibration Check (S207446-CCV5)				
C9-C36 Aliphatic Hydrocarbons	6.661435E+08	4.043351E+08	-4.6	30
n-Nonadecane	3.83221E+08	3.376485E+08	-11.9	30
n-Nonane	3.760245E+08	3.102622E+08	-17.5	30
n-Decane	3.778375E+08	3.150608E+08	-16.6	30
n-Dodecane	3.788807E+08	3.179586E+08	-16.1	30
n-Tetradecane	3.809677E+08	3.281972E+08	-13.9	30
n-Hexadecane	4.009974E+08	3.357676E+08	-16.3	30
n-Octadecane	3.8215E+08	3.364474E+08	-12.0	30
n-Eicosane	3.817038E+08	3.350607E+08	-12.2	30
n-Docosane	3.842103E+08	3.341096E+08	-13.0	30
n-Tetracosane	3.785843E+08	3.232196E+08	-14.6	30
n-Hexacosane	3.799583E+08	3.179877E+08	-16.3	30
n-Octacosane	3.763625E+08	3.059684E+08	-18.7	30
n-Triacontane	3.74937E+08	3.019035E+08	-19.5	30
n-Hexatriacontane	3.62442E+08	2.912611E+08	-19.6	30

Extractable Petroleum Hydrocarbons - CCV Evaluation Report

Analyte(s)	Average RF	CCRF	% D	Limit
Batch S207446				
Calibration Check (S207446-CCV6)				
C9-C36 Aliphatic Hydrocarbons	6.661435E+08	3.806886E+08	-11.4	30
n-Nonadecane	3.83221E+08	3.742746E+08	-2.3	30
n-Nonane	3.760245E+08	3.392042E+08	-9.8	30
n-Decane	3.778375E+08	3.467435E+08	-8.2	30
n-Dodecane	3.788807E+08	3.520939E+08	-7.1	30
n-Tetradecane	3.809677E+08	3.644286E+08	-4.3	30
n-Hexadecane	4.009974E+08	3.720112E+08	-7.2	30
n-Octadecane	3.8215E+08	3.734261E+08	-2.3	30
n-Eicosane	3.817038E+08	3.712514E+08	-2.7	30
n-Docosane	3.842103E+08	3.702822E+08	-3.6	30
n-Tetracosane	3.785843E+08	3.585204E+08	-5.3	30
n-Hexacosane	3.799583E+08	3.510007E+08	-7.6	30
n-Octacosane	3.763625E+08	3.399167E+08	-9.7	30
n-Triacontane	3.74937E+08	3.326709E+08	-11.3	30
n-Hexatriacontane	3.62442E+08	3.214485E+08	-11.3	30

Extractable Petroleum Hydrocarbons - CCV Evaluation Report

Analyte(s)	Average RF	CCRF	% D	Limit
Batch S207446				
Calibration Check (S207446-CCV7)				
C9-C36 Aliphatic Hydrocarbons	6.661435E+08	3.887685E+08	-9.0	30
n-Nonadecane	3.83221E+08	3.236391E+08	-15.5	30
n-Nonane	3.760245E+08	2.822487E+08	-24.9	30
n-Decane	3.778375E+08	2.849236E+08	-24.6	30
n-Dodecane	3.788807E+08	2.897837E+08	-23.5	30
n-Tetradecane	3.809677E+08	3.064416E+08	-19.6	30
n-Hexadecane	4.009974E+08	3.18341E+08	-20.6	30
n-Octadecane	3.8215E+08	3.225799E+08	-15.6	30
n-Eicosane	3.817038E+08	3.220987E+08	-15.6	30
n-Docosane	3.842103E+08	3.233975E+08	-15.8	30
n-Tetracosane	3.785843E+08	3.133399E+08	-17.2	30
n-Hexacosane	3.799583E+08	3.062302E+08	-19.4	30
n-Octacosane	3.763625E+08	2.970634E+08	-21.1	30
n-Triacontane	3.74937E+08	2.915383E+08	-22.2	30
n-Hexatriacontane	3.62442E+08	2.748648E+08	-24.2	30

Analyte(s)	Column	% Breakdown	Limit
Batch S207430			
Performance Mix (S207430-PEM1)			
4,4'-DDT (p,p')	1	1.6	15.0
Endrin	1	8.5	15.0
4,4'-DDT (p,p')	2	1.4	15.0
Endrin	2	4.4	15.0
Performance Mix (S207430-PEM2)			
4,4'-DDT (p,p')	1	2.4	15.0
Endrin	1	14.3	15.0
4,4'-DDT (p,p')	2	1.6	15.0
Endrin	2	8.1	15.0
Performance Mix (S207430-PEM3)			
4,4'-DDT (p,p')	1	1.8	15.0
Endrin	1	6.7	15.0
4,4'-DDT (p,p')	2	1.3	15.0
Endrin	2	4.8	15.0
Performance Mix (S207430-PEM4)			
4,4'-DDT (p,p')	1	2.2	15.0
Endrin	1	6.1	15.0
4,4'-DDT (p,p')	2	1.7	15.0
Endrin	2	7.7	15.0
Batch S207589			
Performance Mix (S207589-PEM1)			
4,4'-DDT (p,p')	1	3.7	15.0
Endrin	1	5.2	15.0
4,4'-DDT (p,p')	2	3.4	15.0
Endrin	2	5.2	15.0
Performance Mix (S207589-PEM2)			
4,4'-DDT (p,p')	1	4.9	15.0
Endrin	1	10.2	15.0
4,4'-DDT (p,p')	2	4.5	15.0
Endrin	2	12.4	15.0

Notes and Definitions

O01	This compound is a common laboratory contaminant.
QM7	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QM9	The spike recovery for this QC sample is outside the established control limits. The sample results for the QC batch were accepted based on LCS/LCSD or SRM recoveries within the control limits.
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).

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 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.

Continuing Calibration Verification: The calibration relationship established during the initial calibration must be verified at periodic intervals. Concentrations, intervals, and criteria are method specific.

Validated by:
June O'Connor
Kimberly Wisk

S13 51176 UC

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: 6/25/12
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Brooks Environmental Consulting, LLC
Phone 203-853-9792
9 Isaac Street
Norwalk, CT 06850
Telephone #:
Project Mgr. M.G./M.Z.

Invoice To: Brooks Environmental Consulting, LLC
Phone 203-853-9792
9 Isaac Street
Norwalk, CT 06850
P.O. No.: 120368 RQN:

Project No.: 120368
Site Name: Danbury City
Location: Danbury State: CT
Sampler(s):

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= Deionized Water 10= 11=

List preservative code below:

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

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic bags		ETPH	8270 Full list	RCRA 6010	Pesticides 8081	VOC 8260 FULL	Conductivity	reactivity	
51176-01	(1) STADLEY	6/7/12		C	SO			1	1		1	1	1	1	1	1	1	
	ROUGH E.S.			C	SO			1	1		1	1	1	1	1	1	1	
-02	(2) SHELTER	6/7/12		C	SO			1	1		1	1	1	1	1	1	1	
	ROCKS E.S.			C	SO			1	1		1	1	1	1	1	1	1	
-03	(3) PARK AVE.	6/6/12																
	E.S.																	
-04	(4) MILL Ridge	6/6/12																

QA/QC Reporting Notes:
* additional charges may apply

MA DEP MCP CAM Report: Yes ☐ No ☒
CT DPH RCP Report: Yes ☒ No ☐

QA/QC Reporting Level
☒ Standard ☐ No QC ☐ DQA*
☐ NY ASP A* ☐ NY ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ TIER II* ☐ TIER V*
☒ Other

State-specific reporting standards: CT DEEP RCP/RSR

Relinquished by:	Received by:	Date:	Time:	Temp°C
[signature]	[signature]	6-15-12	11:28	
[signature]	[signature]	6-15-12	17:30	0

☐ EDD Format
☐ E-mail to

☐ Ambient ☐ Iced ☒ Refrigerated ☐ Fridge temp ___ °C ☒ Freezer temp ___ °C

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

11 Almgren Drive
Agawam, MA 01001
(413) 789-9018

This preceding chain of custody has been amended to include the client requested additional analyses as noted below:

Laboratory ID	*Client ID*	*Analysis*	*Added*
SB51176-01	(1) Stadley Rough E.S.	Volatile Organic Compounds	6/19/2012
SB51176-02	(2) Shelter Rocks E.S.	Volatile Organic Compounds	6/19/2012
SB51176-03	(3) Park Ave. E.S.	Volatile Organic Compounds	6/19/2012
SB51176-04	(4) Mill Ridge.	Volatile Organic Compounds	6/19/2012