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

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

Newington, West Hartford, and Hartford, Connecticut

Submitted to:
Connecticut Department of Transportation

Division of Environmental Compliance
2800 Berlin Turnpike
Newington, Connecticut

March 20, 2009
Volume 2 of 2

Report Date:
23-Jan-09 15:45

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

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

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

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SA89957-01	RSB-C24	Soil	15-Jan-09 11:00	16-Jan-09 15:20
SA89957-02	RSB-C25	Soil	15-Jan-09 09:30	16-Jan-09 15:20

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

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

Authorized by:

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

Technical Reviewer's Initial:

Spectrum Analytical holds certification in the State of New York for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of New York does not offer certification for all analytes.
Please note that this report contains 39 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supercedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report is available upon request. This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

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

CASE NARRATIVE:

The samples were received 5.6 degrees Celsius, please refer to the Chain of Custody for details specific to temperature upon receipt. An infrared thermometer with a tolerance of +/- 2.0 degrees Celsius was used immediately upon receipt of the samples.

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

SW846 6010B

Duplicates:

9011083-DUP1 *Source: SA89947-02*

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

Chromium

SW846 7471A

Duplicates:

9011084-DUP1 *Source: SA89947-02*

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

Mercury

SW846 8260B

Laboratory Control Samples:

9011071-BSD1

Analyte out of acceptance range.

Tetrahydrofuran

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

Tert-Butanol / butyl alcohol

9011267-BS1

Analyte out of acceptance range.

2,2-Dichloropropane

9011267-BSD1

Analyte out of acceptance range.

Ethanol

RPD out of acceptance range.

2,2-Dichloropropane

Spikes:

9011267-MSD1 *Source: SA89920-02*

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

Chlorobenzene

SW846 8270C

SW846 8270C

Laboratory Control Samples:

9011233-BS1

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

Aniline

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C24 SA89957-01	127-17797-08011	Soil	15-Jan-09 11:00	16-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	19-Jan-09	19-Jan-09	9011122	
Volatile Organic Compounds											
Prepared by method SW846 5035A Soil (low level)						Initial weight: 5.02 g					
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	8.3	1	SW846 8260B	19-Jan-09	19-Jan-09	9011071	X
67-64-1	Acetone	BRL		µg/kg dry	82.5	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	8.3	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	8.3	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	8.3	1	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	8.3	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	8.3	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	8.3	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	16.5	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	82.5	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	8.3	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	8.3	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	8.3	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	41.3	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	8.3	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	8.3	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	16.5	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	8.3	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	16.5	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	8.3	1	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	8.3	1	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	16.5	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	8.3	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	8.3	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	8.3	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	8.3	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	8.3	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	8.3	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	16.5	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	8.3	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	8.3	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	8.3	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	443	E	µg/kg dry	8.3	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	8.3	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	8.3	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	8.3	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	8.3	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	8.3	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	8.3	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	8.3	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	8.3	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	8.3	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	82.5	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	8.3	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	8.3	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	8.3	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	82.5	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	82.5	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	8.3	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C24 SA89957-01	127-17797-08011	Soil	15-Jan-09 11:00	16-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
Volatile Organic Compounds						Initial weight: 5.02 g					
Prepared by method SW846 5035A Soil (low level)											
103-65-1	n-Propylbenzene	BRL		µg/kg dry	8.3	1	SW846 8260B	19-Jan-09	19-Jan-09	9011071	X
100-42-5	Styrene	BRL		µg/kg dry	8.3	1	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	8.3	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	8.3	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	8.3	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	8.3	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	8.3	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	8.3	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	8.3	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	8.3	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	8.3	1	"	"	"	"	X
79-01-6	Trichloroethene	451	E	µg/kg dry	8.3	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	8.3	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	8.3	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	8.3	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	8.3	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	8.3	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	16.5	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	8.3	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	82.5	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	8.3	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	8.3	1	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	8.3	1	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	8.3	1	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	82.5	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	165	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	41.3	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	3300	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*83*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*88*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*118*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*102*		*70-130 %*			"	"	"	"	
Re-analysis of Volatile Organic Compounds											
156-59-2	cis-1,2-Dichloroethene	13,100		µg/kg dry	831	500	SW846 8260B	21-Jan-09	21-Jan-09	9011267	X
79-01-6	Trichloroethene	34,100		µg/kg dry	831	500	"	"	"	"	X
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*97*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*99*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*98*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*96*		*70-130 %*			"	"	"	"	
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
83-32-9	Acenaphthene	BRL		µg/kg dry	437	1	SW846 8270C	21-Jan-09	22-Jan-09	9011233	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	437	1	"	"	"	"	X
62-53-3	Aniline	BRL		µg/kg dry	437	1	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	437	1	"	"	"	"	X
1912-24-9	Atrazine	BRL		µg/kg dry	437	1	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/kg dry	437	1	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C24	127-17797-08011	Soil	15-Jan-09 11:00	16-Jan-09
SA89957-01				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
92-87-5	Benzidine	BRL		µg/kg dry	437	1	SW846 8270C	21-Jan-09	22-Jan-09	9011233	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	437	1	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	437	1	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	437	1	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	437	1	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	437	1	"	"	"	"	X
65-85-0	Benzoic acid	BRL		µg/kg dry	437	1	"	"	"	"	X
100-51-6	Benzyl alcohol	BRL		µg/kg dry	437	1	"	"	"	"	X
111-91-1	Bis(2-chloroethoxy)methane	BRL		µg/kg dry	437	1	"	"	"	"	X
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/kg dry	437	1	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	437	1	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	437	1	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/kg dry	437	1	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	BRL		µg/kg dry	437	1	"	"	"	"	X
86-74-8	Carbazole	BRL		µg/kg dry	437	1	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	BRL		µg/kg dry	437	1	"	"	"	"	X
106-47-8	4-Chloroaniline	BRL		µg/kg dry	437	1	"	"	"	"	X
91-58-7	2-Chloronaphthalene	BRL		µg/kg dry	437	1	"	"	"	"	X
95-57-8	2-Chlorophenol	BRL		µg/kg dry	437	1	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/kg dry	437	1	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	437	1	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	437	1	"	"	"	"	X
132-64-9	Dibenzofuran	BRL		µg/kg dry	437	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	437	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	437	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	437	1	"	"	"	"	X
91-94-1	3,3'-Dichlorobenzidine	BRL		µg/kg dry	437	1	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	BRL		µg/kg dry	437	1	"	"	"	"	X
84-66-2	Diethyl phthalate	BRL		µg/kg dry	437	1	"	"	"	"	X
131-11-3	Dimethyl phthalate	BRL		µg/kg dry	437	1	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	BRL		µg/kg dry	437	1	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	BRL		µg/kg dry	437	1	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	437	1	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	BRL		µg/kg dry	437	1	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	BRL		µg/kg dry	437	1	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	BRL		µg/kg dry	437	1	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	BRL		µg/kg dry	437	1	"	"	"	"	X
206-44-0	Fluoranthene	872		µg/kg dry	437	1	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	437	1	"	"	"	"	X
118-74-1	Hexachlorobenzene	BRL		µg/kg dry	437	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	437	1	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	BRL		µg/kg dry	437	1	"	"	"	"	X
67-72-1	Hexachloroethane	BRL		µg/kg dry	437	1	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	437	1	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	437	1	"	"	"	"	
78-59-1	Isophorone	BRL		µg/kg dry	437	1	"	"	"	"	X
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	437	1	"	"	"	"	X
95-48-7	2-Methylphenol	BRL		µg/kg dry	437	1	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	BRL		µg/kg dry	437	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	437	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C24 SA89957-01	127-17797-08011	Soil	15-Jan-09 11:00	16-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
88-74-4	2-Nitroaniline	BRL		µg/kg dry	437	1	SW846 8270C	21-Jan-09	22-Jan-09	9011233	X
99-09-2	3-Nitroaniline	BRL		µg/kg dry	437	1	"	"	"	"	X
100-01-6	4-Nitroaniline	BRL		µg/kg dry	1750	1	"	"	"	"	X
98-95-3	Nitrobenzene	BRL		µg/kg dry	437	1	"	"	"	"	X
88-75-5	2-Nitrophenol	BRL		µg/kg dry	437	1	"	"	"	"	X
100-02-7	4-Nitrophenol	BRL		µg/kg dry	1750	1	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	BRL		µg/kg dry	437	1	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/kg dry	437	1	"	"	"	"	X
86-30-6	N-Nitrosodiphenylamine	BRL		µg/kg dry	437	1	"	"	"	"	X
87-86-5	Pentachlorophenol	BRL		µg/kg dry	437	1	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	437	1	"	"	"	"	X
108-95-2	Phenol	BRL		µg/kg dry	437	1	"	"	"	"	X
129-00-0	Pyrene	617		µg/kg dry	437	1	"	"	"	"	X
110-86-1	Pyridine	BRL		µg/kg dry	437	1	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	437	1	"	"	"	"	X
95-95-4	2,4,5-Trichlorophenol	BRL		µg/kg dry	437	1	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	BRL		µg/kg dry	437	1	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	BRL		µg/kg dry	437	1	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	437	1	"	"	"	"	X
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*73*		*30-130 %*			"	"	"	"	
367-12-4	*2-Fluorophenol*	*62*		*15-110 %*			"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*67*		*30-130 %*			"	"	"	"	
4165-62-2	*Phenol-d5*	*58*		*15-110 %*			"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*66*		*30-130 %*			"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*67*		*15-110 %*			"	"	"	"	
Semivolatile Organic Compounds by GC											
Polychlorinated Biphenyls by SW846 8082											
Prepared by method SW846 3550B											
12674-11-2	PCB 1016	BRL		µg/kg dry	24.9	1	SW846 8082	20-Jan-09	21-Jan-09	9011137	X
11104-28-2	PCB 1221	BRL		µg/kg dry	24.9	1	"	"	"	"	X
11141-16-5	PCB 1232	BRL		µg/kg dry	24.9	1	"	"	"	"	X
53469-21-9	PCB 1242	BRL		µg/kg dry	24.9	1	"	"	"	"	X
12672-29-6	PCB 1248	BRL		µg/kg dry	24.9	1	"	"	"	"	X
11097-69-1	PCB 1254	BRL		µg/kg dry	24.9	1	"	"	"	"	X
11096-82-5	PCB 1260	BRL		µg/kg dry	24.9	1	"	"	"	"	X
37324-23-5	PCB 1262	BRL		µg/kg dry	24.9	1	"	"	"	"	X
11100-14-4	PCB 1268	BRL		µg/kg dry	24.9	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*90*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*57*		*30-150 %*			"	"	"	"	
Chlorinated Herbicides by SW846 8151A											
Prepared by method SW846 3550B											
93-76-5	2,4,5-T	BRL		µg/kg dry	6.70	1	SW846 8151A	20-Jan-09	21-Jan-09	9011138	X
93-72-1	2,4,5-TP (Silvex)	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-75-7	2,4-D	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-82-6	2,4-DB	BRL		µg/kg dry	6.70	1	"	"	"	"	X
75-99-0	Dalapon	BRL		µg/kg dry	6.70	1	"	"	"	"	X
1918-00-9	Dicamba	BRL		µg/kg dry	6.70	1	"	"	"	"	X
120-36-5	Dichlorprop	BRL		µg/kg dry	6.70	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C24 SA89957-01	127-17797-08011	Soil	15-Jan-09 11:00	16-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GC											
Chlorinated Herbicides by SW846 8151A											
Prepared by method SW846 3550B											
88-85-7	Dinoseb	BRL		µg/kg dry	6.70	1	SW846 8151A	20-Jan-09	21-Jan-09	9011138	X
94-74-6	MCPA	BRL		µg/kg dry	670	1	"	"	"	"	X
94-81-5	MCPB	BRL		µg/kg dry	670	1	"	"	"	"	
93-65-2	MCPP	BRL		µg/kg dry	670	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*83*		*30-150 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3550B											
8006-61-9	Gasoline	BRL		mg/kg dry	17.6	1	+CT ETPH	21-Jan-09	22-Jan-09	9011232	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	17.6	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	17.6	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	17.6	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	17.6	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	17.6	1	"	"	"	"	
	Unidentified	63.0		mg/kg dry	17.6	1	"	"	"	"	
	Other Oil	Calculated as		mg/kg dry	17.6	1	"	"	"	"	
	Total Petroleum Hydrocarbons	63.0		mg/kg dry	17.6	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	63.0		mg/kg dry	17.6	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*95*		*50-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	BRL		mg/kg dry	1.88	1	SW846 6010B	19-Jan-09	20-Jan-09	9011083	X
7440-38-2	Arsenic	8.04		mg/kg dry	1.88	1	"	"	"	"	X
7440-39-3	Barium	171		mg/kg dry	1.25	1	"	"	"	"	X
7440-43-9	Cadmium	0.869		mg/kg dry	0.626	1	"	"	"	"	X
7440-47-3	Chromium	10.7		mg/kg dry	1.25	1	"	"	"	"	X
7439-97-6	Mercury	0.143		mg/kg dry	0.0376	1	SW846 7471A	"	20-Jan-09	9011084	X
7439-92-1	Lead	94.2		mg/kg dry	1.88	1	SW846 6010B	"	20-Jan-09	9011083	X
7782-49-2	Selenium	2.46		mg/kg dry	1.88	1	"	"	"	"	X
General Chemistry Parameters											
	% Solids	75.3		%		1	SM2540 G Mod.	20-Jan-09	20-Jan-09	9011188	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C25 SA89957-02	127-17797-08011	Soil	15-Jan-09 09:30	16-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	19-Jan-09	19-Jan-09	9011122	
Volatile Organic Compounds						Initial weight: 5.62 g					
Prepared by method SW846 5035A Soil (low level)											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	8.0	1	SW846 8260B	19-Jan-09	19-Jan-09	9011071	X
67-64-1	Acetone	BRL		µg/kg dry	79.9	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	8.0	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	8.0	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	8.0	1	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	8.0	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	8.0	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	8.0	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	16.0	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	79.9	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	8.0	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	8.0	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	8.0	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	39.9	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	8.0	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	8.0	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	16.0	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	8.0	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	16.0	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	8.0	1	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	8.0	1	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	16.0	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	8.0	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	8.0	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	8.0	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	8.0	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	8.0	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	8.0	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	16.0	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	8.0	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	8.0	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	8.0	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	8.0	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	8.0	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	8.0	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	8.0	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	8.0	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	8.0	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	8.0	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	8.0	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	8.0	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	8.0	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	79.9	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	8.0	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	8.0	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	8.0	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	79.9	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	79.9	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	8.0	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C25	127-17797-08011	Soil	15-Jan-09 09:30	16-Jan-09
SA89957-02				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
Volatile Organic Compounds											
Prepared by method SW846 5035A Soil (low level)					Initial weight: 5.62 g						
103-65-1	n-Propylbenzene	BRL		µg/kg dry	8.0	1	SW846 8260B	19-Jan-09	19-Jan-09	9011071	X
100-42-5	Styrene	BRL		µg/kg dry	8.0	1	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	8.0	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	8.0	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	8.0	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	8.0	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	8.0	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	8.0	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	8.0	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	8.0	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	8.0	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	8.0	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	8.0	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	8.0	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	8.0	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	8.0	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	8.0	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	16.0	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	8.0	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	79.9	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	8.0	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	8.0	1	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	8.0	1	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	8.0	1	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	79.9	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	160	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	39.9	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	3190	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*87*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*90*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*119*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*100*		*70-130 %*			"	"	"	"	
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
83-32-9	Acenaphthene	BRL		µg/kg dry	449	1	SW846 8270C	21-Jan-09	22-Jan-09	9011233	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	449	1	"	"	"	"	X
62-53-3	Aniline	BRL		µg/kg dry	449	1	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	449	1	"	"	"	"	X
1912-24-9	Atrazine	BRL		µg/kg dry	449	1	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/kg dry	449	1	"	"	"	"	
92-87-5	Benzidine	BRL		µg/kg dry	449	1	"	"	"	"	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	449	1	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	449	1	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	449	1	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	449	1	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	449	1	"	"	"	"	X
65-85-0	Benzoic acid	BRL		µg/kg dry	449	1	"	"	"	"	X
100-51-6	Benzyl alcohol	BRL		µg/kg dry	449	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C25 SA89957-02	127-17797-08011	Soil	15-Jan-09 09:30	16-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
111-91-1	Bis(2-chloroethoxy)methane	BRL		µg/kg dry	449	1	SW846 8270C	21-Jan-09	22-Jan-09	9011233	X
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/kg dry	449	1	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	449	1	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	449	1	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/kg dry	449	1	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	BRL		µg/kg dry	449	1	"	"	"	"	X
86-74-8	Carbazole	BRL		µg/kg dry	449	1	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	BRL		µg/kg dry	449	1	"	"	"	"	X
106-47-8	4-Chloroaniline	BRL		µg/kg dry	449	1	"	"	"	"	X
91-58-7	2-Chloronaphthalene	BRL		µg/kg dry	449	1	"	"	"	"	X
95-57-8	2-Chlorophenol	BRL		µg/kg dry	449	1	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/kg dry	449	1	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	449	1	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	449	1	"	"	"	"	X
132-64-9	Dibenzofuran	BRL		µg/kg dry	449	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	449	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	449	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	449	1	"	"	"	"	X
91-94-1	3,3'-Dichlorobenzidine	BRL		µg/kg dry	449	1	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	BRL		µg/kg dry	449	1	"	"	"	"	X
84-66-2	Diethyl phthalate	BRL		µg/kg dry	449	1	"	"	"	"	X
131-11-3	Dimethyl phthalate	BRL		µg/kg dry	449	1	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	BRL		µg/kg dry	449	1	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	BRL		µg/kg dry	449	1	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	449	1	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	BRL		µg/kg dry	449	1	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	BRL		µg/kg dry	449	1	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	BRL		µg/kg dry	449	1	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	BRL		µg/kg dry	449	1	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	449	1	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	449	1	"	"	"	"	X
118-74-1	Hexachlorobenzene	BRL		µg/kg dry	449	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	449	1	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	BRL		µg/kg dry	449	1	"	"	"	"	X
67-72-1	Hexachloroethane	BRL		µg/kg dry	449	1	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	449	1	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	449	1	"	"	"	"	
78-59-1	Isophorone	BRL		µg/kg dry	449	1	"	"	"	"	X
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	449	1	"	"	"	"	X
95-48-7	2-Methylphenol	BRL		µg/kg dry	449	1	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	BRL		µg/kg dry	449	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	449	1	"	"	"	"	X
88-74-4	2-Nitroaniline	BRL		µg/kg dry	449	1	"	"	"	"	X
99-09-2	3-Nitroaniline	BRL		µg/kg dry	449	1	"	"	"	"	X
100-01-6	4-Nitroaniline	BRL		µg/kg dry	1800	1	"	"	"	"	X
98-95-3	Nitrobenzene	BRL		µg/kg dry	449	1	"	"	"	"	X
88-75-5	2-Nitrophenol	BRL		µg/kg dry	449	1	"	"	"	"	X
100-02-7	4-Nitrophenol	BRL		µg/kg dry	1800	1	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	BRL		µg/kg dry	449	1	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/kg dry	449	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C25	127-17797-08011	Soil	15-Jan-09 09:30	16-Jan-09
SA89957-02				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
86-30-6	N-Nitrosodiphenylamine	BRL		µg/kg dry	449	1	SW846 8270C	21-Jan-09	22-Jan-09	9011233	X
87-86-5	Pentachlorophenol	BRL		µg/kg dry	449	1	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	449	1	"	"	"	"	X
108-95-2	Phenol	BRL		µg/kg dry	449	1	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	449	1	"	"	"	"	X
110-86-1	Pyridine	BRL		µg/kg dry	449	1	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	449	1	"	"	"	"	X
95-95-4	2,4,5-Trichlorophenol	BRL		µg/kg dry	449	1	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	BRL		µg/kg dry	449	1	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	BRL		µg/kg dry	449	1	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	449	1	"	"	"	"	X
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*72*		*30-130 %*			"	"	"	"	
367-12-4	*2-Fluorophenol*	*65*		*15-110 %*			"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*66*		*30-130 %*			"	"	"	"	
4165-62-2	*Phenol-d5*	*61*		*15-110 %*			"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*62*		*30-130 %*			"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*65*		*15-110 %*			"	"	"	"	
Semivolatile Organic Compounds by GC											
Polychlorinated Biphenyls by SW846 8082											
Prepared by method SW846 3550B											
12674-11-2	PCB 1016	BRL		µg/kg dry	26.3	1	SW846 8082	20-Jan-09	21-Jan-09	9011137	X
11104-28-2	PCB 1221	BRL		µg/kg dry	26.3	1	"	"	"	"	X
11141-16-5	PCB 1232	BRL		µg/kg dry	26.3	1	"	"	"	"	X
53469-21-9	PCB 1242	BRL		µg/kg dry	26.3	1	"	"	"	"	X
12672-29-6	PCB 1248	BRL		µg/kg dry	26.3	1	"	"	"	"	X
11097-69-1	PCB 1254	BRL		µg/kg dry	26.3	1	"	"	"	"	X
11096-82-5	PCB 1260	BRL		µg/kg dry	26.3	1	"	"	"	"	X
37324-23-5	PCB 1262	BRL		µg/kg dry	26.3	1	"	"	"	"	X
11100-14-4	PCB 1268	BRL		µg/kg dry	26.3	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*92*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*56*		*30-150 %*			"	"	"	"	
Chlorinated Herbicides by SW846 8151A											
Prepared by method SW846 3550B											
93-76-5	2,4,5-T	BRL		µg/kg dry	6.70	1	SW846 8151A	20-Jan-09	21-Jan-09	9011138	X
93-72-1	2,4,5-TP (Silvex)	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-75-7	2,4-D	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-82-6	2,4-DB	BRL		µg/kg dry	6.70	1	"	"	"	"	X
75-99-0	Dalapon	BRL		µg/kg dry	6.70	1	"	"	"	"	X
1918-00-9	Dicamba	BRL		µg/kg dry	6.70	1	"	"	"	"	X
120-36-5	Dichlorprop	BRL		µg/kg dry	6.70	1	"	"	"	"	X
88-85-7	Dinoseb	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-74-6	MCPA	BRL		µg/kg dry	670	1	"	"	"	"	X
94-81-5	MCPB	BRL		µg/kg dry	670	1	"	"	"	"	
93-65-2	MCPP	BRL		µg/kg dry	670	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*76*		*30-150 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C25 SA89957-02	127-17797-08011	Soil	15-Jan-09 09:30	16-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3550B											
8006-61-9	Gasoline	BRL		mg/kg dry	18.1	1	+CT ETPH	21-Jan-09	22-Jan-09	9011232	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	18.1	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	18.1	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	18.1	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	18.1	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	18.1	1	"	"	"	"	
	Unidentified	BRL		mg/kg dry	18.1	1	"	"	"	"	
	Other Oil	BRL		mg/kg dry	18.1	1	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL		mg/kg dry	18.1	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	18.1	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*88*		*50-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	BRL		mg/kg dry	1.89	1	SW846 6010B	19-Jan-09	20-Jan-09	9011083	X
7440-38-2	Arsenic	BRL		mg/kg dry	1.89	1	"	"	"	"	X
7440-39-3	Barium	41.7		mg/kg dry	1.26	1	"	"	"	"	X
7440-43-9	Cadmium	BRL		mg/kg dry	0.629	1	"	"	"	"	X
7440-47-3	Chromium	10.6		mg/kg dry	1.26	1	"	"	"	"	X
7439-97-6	Mercury	0.0782		mg/kg dry	0.0368	1	SW846 7471A	"	20-Jan-09	9011084	X
7439-92-1	Lead	8.89		mg/kg dry	1.89	1	SW846 6010B	"	20-Jan-09	9011083	X
7782-49-2	Selenium	2.63		mg/kg dry	1.89	1	"	"	"	"	X
General Chemistry Parameters											
	% Solids	72.7		%		1	SM2540 G Mod.	20-Jan-09	20-Jan-09	9011188	

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9011071 - SW846 5035A Soil (low level)										
Blank (9011071-BLK1)										
Prepared & Analyzed: 19-Jan-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg wet	5.0						
Acetone	BRL		µg/kg wet	50.0						
Acrylonitrile	BRL		µg/kg wet	5.0						
Benzene	BRL		µg/kg wet	5.0						
Bromobenzene	BRL		µg/kg wet	5.0						
Bromochloromethane	BRL		µg/kg wet	5.0						
Bromodichloromethane	BRL		µg/kg wet	5.0						
Bromoform	BRL		µg/kg wet	5.0						
Bromomethane	BRL		µg/kg wet	10.0						
2-Butanone (MEK)	BRL		µg/kg wet	50.0						
n-Butylbenzene	BRL		µg/kg wet	5.0						
sec-Butylbenzene	BRL		µg/kg wet	5.0						
tert-Butylbenzene	BRL		µg/kg wet	5.0						
Carbon disulfide	BRL		µg/kg wet	25.0						
Carbon tetrachloride	BRL		µg/kg wet	5.0						
Chlorobenzene	BRL		µg/kg wet	5.0						
Chloroethane	BRL		µg/kg wet	10.0						
Chloroform	BRL		µg/kg wet	5.0						
Chloromethane	BRL		µg/kg wet	10.0						
2-Chlorotoluene	BRL		µg/kg wet	5.0						
4-Chlorotoluene	BRL		µg/kg wet	5.0						
1,2-Dibromo-3-chloropropane	BRL		µg/kg wet	10.0						
Dibromochloromethane	BRL		µg/kg wet	5.0						
1,2-Dibromoethane (EDB)	BRL		µg/kg wet	5.0						
Dibromomethane	BRL		µg/kg wet	5.0						
1,2-Dichlorobenzene	BRL		µg/kg wet	5.0						
1,3-Dichlorobenzene	BRL		µg/kg wet	5.0						
1,4-Dichlorobenzene	BRL		µg/kg wet	5.0						
Dichlorodifluoromethane (Freon12)	BRL		µg/kg wet	10.0						
1,1-Dichloroethane	BRL		µg/kg wet	5.0						
1,2-Dichloroethane	BRL		µg/kg wet	5.0						
1,1-Dichloroethene	BRL		µg/kg wet	5.0						
cis-1,2-Dichloroethene	BRL		µg/kg wet	5.0						
trans-1,2-Dichloroethene	BRL		µg/kg wet	5.0						
1,2-Dichloropropane	BRL		µg/kg wet	5.0						
1,3-Dichloropropane	BRL		µg/kg wet	5.0						
2,2-Dichloropropane	BRL		µg/kg wet	5.0						
1,1-Dichloropropene	BRL		µg/kg wet	5.0						
cis-1,3-Dichloropropene	BRL		µg/kg wet	5.0						
trans-1,3-Dichloropropene	BRL		µg/kg wet	5.0						
Ethylbenzene	BRL		µg/kg wet	5.0						
Hexachlorobutadiene	BRL		µg/kg wet	5.0						
2-Hexanone (MBK)	BRL		µg/kg wet	50.0						
Isopropylbenzene	BRL		µg/kg wet	5.0						
4-Isopropyltoluene	BRL		µg/kg wet	5.0						
Methyl tert-butyl ether	BRL		µg/kg wet	5.0						
4-Methyl-2-pentanone (MIBK)	BRL		µg/kg wet	50.0						
Methylene chloride	BRL		µg/kg wet	50.0						
Naphthalene	BRL		µg/kg wet	5.0						

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9011071 - SW846 5035A Soil (low level)										
Blank (9011071-BLK1)										
Prepared & Analyzed: 19-Jan-09										
n-Propylbenzene	BRL		µg/kg wet	5.0						
Styrene	BRL		µg/kg wet	5.0						
1,1,1,2-Tetrachloroethane	BRL		µg/kg wet	5.0						
1,1,2,2-Tetrachloroethane	BRL		µg/kg wet	5.0						
Tetrachloroethene	BRL		µg/kg wet	5.0						
Toluene	BRL		µg/kg wet	5.0						
1,2,3-Trichlorobenzene	BRL		µg/kg wet	5.0						
1,2,4-Trichlorobenzene	BRL		µg/kg wet	5.0						
1,3,5-Trichlorobenzene	BRL		µg/kg wet	5.0						
1,1,1-Trichloroethane	BRL		µg/kg wet	5.0						
1,1,2-Trichloroethane	BRL		µg/kg wet	5.0						
Trichloroethene	BRL		µg/kg wet	5.0						
Trichlorofluoromethane (Freon 11)	BRL		µg/kg wet	5.0						
1,2,3-Trichloropropane	BRL		µg/kg wet	5.0						
1,2,4-Trimethylbenzene	BRL		µg/kg wet	5.0						
1,3,5-Trimethylbenzene	BRL		µg/kg wet	5.0						
Vinyl chloride	BRL		µg/kg wet	5.0						
m,p-Xylene	BRL		µg/kg wet	10.0						
o-Xylene	BRL		µg/kg wet	5.0						
Tetrahydrofuran	BRL		µg/kg wet	50.0						
Ethyl ether	BRL		µg/kg wet	5.0						
Tert-amyl methyl ether	BRL		µg/kg wet	5.0						
Ethyl tert-butyl ether	BRL		µg/kg wet	5.0						
Di-isopropyl ether	BRL		µg/kg wet	5.0						
Tert-Butanol / butyl alcohol	BRL		µg/kg wet	50.0						
1,4-Dioxane	BRL		µg/kg wet	100						
trans-1,4-Dichloro-2-butene	BRL		µg/kg wet	25.0						
Ethanol	BRL		µg/kg wet	2000						
Surrogate: 4-Bromofluorobenzene	*44.3*		µg/kg wet		*50.0*		*89*	*70-130*		
Surrogate: Toluene-d8	*44.9*		µg/kg wet		*50.0*		*90*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*60.4*		µg/kg wet		*50.0*		*121*	*70-130*		
Surrogate: Dibromofluoromethane	*49.1*		µg/kg wet		*50.0*		*98*	*70-130*		
LCS (9011071-BS1)										
Prepared & Analyzed: 19-Jan-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	19.4		µg/kg wet		20.0		97	70-130		
Acetone	12.8		µg/kg wet		20.0		64	7.9-168		
Acrylonitrile	19.1		µg/kg wet		20.0		96	70-130		
Benzene	21.1		µg/kg wet		20.0		106	70-130		
Bromobenzene	18.7		µg/kg wet		20.0		93	70-130		
Bromochloromethane	18.0		µg/kg wet		20.0		90	70-130		
Bromodichloromethane	20.1		µg/kg wet		20.0		100	70-130		
Bromoform	21.1		µg/kg wet		20.0		106	70-130		
Bromomethane	18.2		µg/kg wet		20.0		91	50-134		
2-Butanone (MEK)	15.9		µg/kg wet		20.0		79	44.6-130		
n-Butylbenzene	21.7		µg/kg wet		20.0		108	70-130		
sec-Butylbenzene	20.4		µg/kg wet		20.0		102	70-130		
tert-Butylbenzene	20.4		µg/kg wet		20.0		102	70-130		
Carbon disulfide	21.8		µg/kg wet		20.0		109	70-130		
Carbon tetrachloride	20.6		µg/kg wet		20.0		103	70-130		
Chlorobenzene	19.4		µg/kg wet		20.0		97	70-130		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9011071 - SW846 5035A Soil (low level)										
LCS (9011071-BS1)										
Prepared & Analyzed: 19-Jan-09										
Chloroethane	18.6		µg/kg wet		20.0		93	59.2-130		
Chloroform	18.0		µg/kg wet		20.0		90	70-130		
Chloromethane	17.5		µg/kg wet		20.0		87	70-130		
2-Chlorotoluene	20.9		µg/kg wet		20.0		104	70-130		
4-Chlorotoluene	20.6		µg/kg wet		20.0		103	70-130		
1,2-Dibromo-3-chloropropane	22.7		µg/kg wet		20.0		114	70-130		
Dibromochloromethane	19.5		µg/kg wet		20.0		97	63.8-130		
1,2-Dibromoethane (EDB)	18.4		µg/kg wet		20.0		92	70-130		
Dibromomethane	17.5		µg/kg wet		20.0		88	70-130		
1,2-Dichlorobenzene	20.5		µg/kg wet		20.0		102	70-130		
1,3-Dichlorobenzene	19.1		µg/kg wet		20.0		96	70-130		
1,4-Dichlorobenzene	20.2		µg/kg wet		20.0		101	70-130		
Dichlorodifluoromethane (Freon12)	18.1		µg/kg wet		20.0		90	41.8-130		
1,1-Dichloroethane	19.0		µg/kg wet		20.0		95	70-130		
1,2-Dichloroethane	18.5		µg/kg wet		20.0		93	70-130		
1,1-Dichloroethene	21.5		µg/kg wet		20.0		107	70-130		
cis-1,2-Dichloroethene	19.2		µg/kg wet		20.0		96	70-130		
trans-1,2-Dichloroethene	19.6		µg/kg wet		20.0		98	70-130		
1,2-Dichloropropane	20.4		µg/kg wet		20.0		102	70-130		
1,3-Dichloropropane	18.2		µg/kg wet		20.0		91	70-130		
2,2-Dichloropropane	19.3		µg/kg wet		20.0		96	70-130		
1,1-Dichloropropene	20.2		µg/kg wet		20.0		101	70-130		
cis-1,3-Dichloropropene	19.8		µg/kg wet		20.0		99	70-130		
trans-1,3-Dichloropropene	21.4		µg/kg wet		20.0		107	70-130		
Ethylbenzene	20.5		µg/kg wet		20.0		103	70-130		
Hexachlorobutadiene	18.6		µg/kg wet		20.0		93	68.3-130		
2-Hexanone (MBK)	16.6		µg/kg wet		20.0		83	70-130		
Isopropylbenzene	20.1		µg/kg wet		20.0		101	70-130		
4-Isopropyltoluene	20.9		µg/kg wet		20.0		104	70-130		
Methyl tert-butyl ether	20.5		µg/kg wet		20.0		102	70-130		
4-Methyl-2-pentanone (MIBK)	15.7		µg/kg wet		20.0		79	53.1-132		
Methylene chloride	18.9		µg/kg wet		20.0		94	70-130		
Naphthalene	18.7		µg/kg wet		20.0		94	70-130		
n-Propylbenzene	20.4		µg/kg wet		20.0		102	70-130		
Styrene	20.7		µg/kg wet		20.0		104	70-130		
1,1,1,2-Tetrachloroethane	19.6		µg/kg wet		20.0		98	70-130		
1,1,2,2-Tetrachloroethane	19.5		µg/kg wet		20.0		98	70-130		
Tetrachloroethene	17.9		µg/kg wet		20.0		90	70-130		
Toluene	17.4		µg/kg wet		20.0		87	70-130		
1,2,3-Trichlorobenzene	19.3		µg/kg wet		20.0		96	70-130		
1,2,4-Trichlorobenzene	19.3		µg/kg wet		20.0		96	70-130		
1,3,5-Trichlorobenzene	19.4		µg/kg wet		20.0		97	70-130		
1,1,1-Trichloroethane	19.3		µg/kg wet		20.0		97	70-130		
1,1,2-Trichloroethane	18.4		µg/kg wet		20.0		92	70-130		
Trichloroethene	19.8		µg/kg wet		20.0		99	70-130		
Trichlorofluoromethane (Freon 11)	20.2		µg/kg wet		20.0		101	68.2-130		
1,2,3-Trichloropropane	19.8		µg/kg wet		20.0		99	70-130		
1,2,4-Trimethylbenzene	20.6		µg/kg wet		20.0		103	70-130		
1,3,5-Trimethylbenzene	20.6		µg/kg wet		20.0		103	70-130		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9011071 - SW846 5035A Soil (low level)										
LCS (9011071-BS1)										
Prepared & Analyzed: 19-Jan-09										
Vinyl chloride	20.5		µg/kg wet		20.0		102	70-130		
m,p-Xylene	41.8		µg/kg wet		40.0		104	70-130		
o-Xylene	20.4		µg/kg wet		20.0		102	70-130		
Tetrahydrofuran	17.1		µg/kg wet		20.0		85	70-130		
Ethyl ether	20.2		µg/kg wet		20.0		101	70-130		
Tert-amyl methyl ether	17.3		µg/kg wet		20.0		86	70-130		
Ethyl tert-butyl ether	20.8		µg/kg wet		20.0		104	70-130		
Di-isopropyl ether	20.6		µg/kg wet		20.0		103	70-130		
Tert-Butanol / butyl alcohol	214		µg/kg wet		200		107	70-130		
1,4-Dioxane	199		µg/kg wet		200		99	48.7-130		
trans-1,4-Dichloro-2-butene	22.3		µg/kg wet		20.0		111	70-130		
Ethanol	351		µg/kg wet		400		88	70-130		
Surrogate: 4-Bromofluorobenzene	*50.0*		µg/kg wet		*50.0*		*100*	*70-130*		
Surrogate: Toluene-d8	*46.6*		µg/kg wet		*50.0*		*93*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*45.9*		µg/kg wet		*50.0*		*92*	*70-130*		
Surrogate: Dibromofluoromethane	*45.0*		µg/kg wet		*50.0*		*90*	*70-130*		
LCS Dup (9011071-BSD1)										
Prepared & Analyzed: 19-Jan-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	21.1		µg/kg wet		20.0		105	70-130	8	25
Acetone	19.4		µg/kg wet		20.0		97	7.9-168	41	50
Acrylonitrile	17.1		µg/kg wet		20.0		86	70-130	11	25
Benzene	22.1		µg/kg wet		20.0		110	70-130	5	25
Bromobenzene	18.7		µg/kg wet		20.0		94	70-130	0.4	25
Bromochloromethane	17.8		µg/kg wet		20.0		89	70-130	1	25
Bromodichloromethane	20.2		µg/kg wet		20.0		101	70-130	0.4	25
Bromoform	18.0		µg/kg wet		20.0		90	70-130	16	25
Bromomethane	19.3		µg/kg wet		20.0		97	50-134	6	50
2-Butanone (MEK)	13.6		µg/kg wet		20.0		68	44.6-130	16	50
n-Butylbenzene	24.1		µg/kg wet		20.0		121	70-130	11	25
sec-Butylbenzene	22.1		µg/kg wet		20.0		110	70-130	8	25
tert-Butylbenzene	21.6		µg/kg wet		20.0		108	70-130	6	25
Carbon disulfide	24.3		µg/kg wet		20.0		121	70-130	11	25
Carbon tetrachloride	21.2		µg/kg wet		20.0		106	70-130	3	25
Chlorobenzene	20.2		µg/kg wet		20.0		101	70-130	4	25
Chloroethane	19.9		µg/kg wet		20.0		100	59.2-130	7	50
Chloroform	18.9		µg/kg wet		20.0		94	70-130	5	25
Chloromethane	19.4		µg/kg wet		20.0		97	70-130	11	25
2-Chlorotoluene	21.8		µg/kg wet		20.0		109	70-130	4	25
4-Chlorotoluene	21.6		µg/kg wet		20.0		108	70-130	5	25
1,2-Dibromo-3-chloropropane	18.3		µg/kg wet		20.0		91	70-130	22	25
Dibromochloromethane	17.8		µg/kg wet		20.0		89	63.8-130	9	50
1,2-Dibromoethane (EDB)	16.1		µg/kg wet		20.0		81	70-130	13	25
Dibromomethane	16.2		µg/kg wet		20.0		81	70-130	8	25
1,2-Dichlorobenzene	20.4		µg/kg wet		20.0		102	70-130	0.3	25
1,3-Dichlorobenzene	19.6		µg/kg wet		20.0		98	70-130	2	25
1,4-Dichlorobenzene	20.8		µg/kg wet		20.0		104	70-130	3	25
Dichlorodifluoromethane (Freon12)	21.3		µg/kg wet		20.0		107	41.8-130	16	50
1,1-Dichloroethane	19.9		µg/kg wet		20.0		99	70-130	4	25
1,2-Dichloroethane	18.0		µg/kg wet		20.0		90	70-130	3	25
1,1-Dichloroethene	23.3		µg/kg wet		20.0		116	70-130	8	25

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9011071 - SW846 5035A Soil (low level)										
LCS Dup (9011071-BSD1)										
Prepared & Analyzed: 19-Jan-09										
cis-1,2-Dichloroethene	19.8		µg/kg wet		20.0		99	70-130	3	25
trans-1,2-Dichloroethene	21.3		µg/kg wet		20.0		106	70-130	8	25
1,2-Dichloropropane	20.5		µg/kg wet		20.0		102	70-130	0.5	25
1,3-Dichloropropane	17.2		µg/kg wet		20.0		86	70-130	6	25
2,2-Dichloropropane	22.3		µg/kg wet		20.0		111	70-130	14	25
1,1-Dichloropropene	22.4		µg/kg wet		20.0		112	70-130	11	25
cis-1,3-Dichloropropene	19.7		µg/kg wet		20.0		99	70-130	0.2	25
trans-1,3-Dichloropropene	19.4		µg/kg wet		20.0		97	70-130	10	25
Ethylbenzene	22.0		µg/kg wet		20.0		110	70-130	7	25
Hexachlorobutadiene	20.1		µg/kg wet		20.0		101	68.3-130	8	50
2-Hexanone (MBK)	14.1		µg/kg wet		20.0		70	70-130	16	25
Isopropylbenzene	21.6		µg/kg wet		20.0		108	70-130	7	25
4-Isopropyltoluene	23.1		µg/kg wet		20.0		116	70-130	10	25
Methyl tert-butyl ether	18.7		µg/kg wet		20.0		94	70-130	9	25
4-Methyl-2-pentanone (MIBK)	15.4		µg/kg wet		20.0		77	53.1-132	2	50
Methylene chloride	19.6		µg/kg wet		20.0		98	70-130	4	25
Naphthalene	15.8		µg/kg wet		20.0		79	70-130	17	25
n-Propylbenzene	22.1		µg/kg wet		20.0		110	70-130	8	25
Styrene	21.2		µg/kg wet		20.0		106	70-130	2	25
1,1,1,2-Tetrachloroethane	19.2		µg/kg wet		20.0		96	70-130	2	25
1,1,2,2-Tetrachloroethane	17.5		µg/kg wet		20.0		87	70-130	11	25
Tetrachloroethene	19.3		µg/kg wet		20.0		97	70-130	7	25
Toluene	17.9		µg/kg wet		20.0		89	70-130	3	25
1,2,3-Trichlorobenzene	17.7		µg/kg wet		20.0		88	70-130	9	25
1,2,4-Trichlorobenzene	17.9		µg/kg wet		20.0		89	70-130	8	25
1,3,5-Trichlorobenzene	20.5		µg/kg wet		20.0		102	70-130	5	25
1,1,1-Trichloroethane	21.4		µg/kg wet		20.0		107	70-130	10	25
1,1,2-Trichloroethane	17.0		µg/kg wet		20.0		85	70-130	8	25
Trichloroethene	21.1		µg/kg wet		20.0		106	70-130	7	25
Trichlorofluoromethane (Freon 11)	23.0		µg/kg wet		20.0		115	68.2-130	13	50
1,2,3-Trichloropropane	16.5		µg/kg wet		20.0		83	70-130	18	25
1,2,4-Trimethylbenzene	21.2		µg/kg wet		20.0		106	70-130	3	25
1,3,5-Trimethylbenzene	22.0		µg/kg wet		20.0		110	70-130	7	25
Vinyl chloride	22.8		µg/kg wet		20.0		114	70-130	11	25
m,p-Xylene	43.5		µg/kg wet		40.0		109	70-130	4	25
o-Xylene	21.6		µg/kg wet		20.0		108	70-130	5	25
Tetrahydrofuran	13.4	QC1	µg/kg wet		20.0		67	70-130	24	25
Ethyl ether	20.5		µg/kg wet		20.0		102	70-130	1	50
Tert-amyl methyl ether	14.2		µg/kg wet		20.0		71	70-130	19	25
Ethyl tert-butyl ether	19.5		µg/kg wet		20.0		97	70-130	7	25
Di-isopropyl ether	20.6		µg/kg wet		20.0		103	70-130	0.1	25
Tert-Butanol / butyl alcohol	161	QR2	µg/kg wet		200		81	70-130	28	25
1,4-Dioxane	164		µg/kg wet		200		82	48.7-130	19	25
trans-1,4-Dichloro-2-butene	18.9		µg/kg wet		20.0		94	70-130	16	25
Ethanol	343		µg/kg wet		400		86	70-130	2	30
Surrogate: 4-Bromofluorobenzene	*49.4*		µg/kg wet		*50.0*		*99*	*70-130*		
Surrogate: Toluene-d8	*46.6*		µg/kg wet		*50.0*		*93*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*44.3*		µg/kg wet		*50.0*		*89*	*70-130*		
Surrogate: Dibromofluoromethane	*45.0*		µg/kg wet		*50.0*		*90*	*70-130*		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9011267 - SW846 5030 Soil (high level)										
Blank (9011267-BLK1)										
Prepared & Analyzed: 21-Jan-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg wet	1.0						
Acetone	BRL		µg/kg wet	10.0						
Acrylonitrile	BRL		µg/kg wet	1.0						
Benzene	BRL		µg/kg wet	1.0						
Bromobenzene	BRL		µg/kg wet	1.0						
Bromochloromethane	BRL		µg/kg wet	1.0						
Bromodichloromethane	BRL		µg/kg wet	1.0						
Bromoform	BRL		µg/kg wet	1.0						
Bromomethane	BRL		µg/kg wet	2.0						
2-Butanone (MEK)	BRL		µg/kg wet	10.0						
n-Butylbenzene	BRL		µg/kg wet	1.0						
sec-Butylbenzene	BRL		µg/kg wet	1.0						
tert-Butylbenzene	BRL		µg/kg wet	1.0						
Carbon disulfide	BRL		µg/kg wet	5.0						
Carbon tetrachloride	BRL		µg/kg wet	1.0						
Chlorobenzene	BRL		µg/kg wet	1.0						
Chloroethane	BRL		µg/kg wet	2.0						
Chloroform	BRL		µg/kg wet	1.0						
Chloromethane	BRL		µg/kg wet	2.0						
2-Chlorotoluene	BRL		µg/kg wet	1.0						
4-Chlorotoluene	BRL		µg/kg wet	1.0						
1,2-Dibromo-3-chloropropane	BRL		µg/kg wet	2.0						
Dibromochloromethane	BRL		µg/kg wet	1.0						
1,2-Dibromoethane (EDB)	BRL		µg/kg wet	1.0						
Dibromomethane	BRL		µg/kg wet	1.0						
1,2-Dichlorobenzene	BRL		µg/kg wet	1.0						
1,3-Dichlorobenzene	BRL		µg/kg wet	1.0						
1,4-Dichlorobenzene	BRL		µg/kg wet	1.0						
Dichlorodifluoromethane (Freon12)	BRL		µg/kg wet	2.0						
1,1-Dichloroethane	BRL		µg/kg wet	1.0						
1,2-Dichloroethane	BRL		µg/kg wet	1.0						
1,1-Dichloroethene	BRL		µg/kg wet	1.0						
cis-1,2-Dichloroethene	BRL		µg/kg wet	1.0						
trans-1,2-Dichloroethene	BRL		µg/kg wet	1.0						
1,2-Dichloropropane	BRL		µg/kg wet	1.0						
1,3-Dichloropropane	BRL		µg/kg wet	1.0						
2,2-Dichloropropane	BRL		µg/kg wet	1.0						
1,1-Dichloropropene	BRL		µg/kg wet	1.0						
cis-1,3-Dichloropropene	BRL		µg/kg wet	1.0						
trans-1,3-Dichloropropene	BRL		µg/kg wet	1.0						
Ethylbenzene	BRL		µg/kg wet	1.0						
Hexachlorobutadiene	BRL		µg/kg wet	1.0						
2-Hexanone (MBK)	BRL		µg/kg wet	10.0						
Isopropylbenzene	BRL		µg/kg wet	1.0						
4-Isopropyltoluene	BRL		µg/kg wet	1.0						
Methyl tert-butyl ether	BRL		µg/kg wet	1.0						
4-Methyl-2-pentanone (MIBK)	BRL		µg/kg wet	10.0						
Methylene chloride	BRL		µg/kg wet	10.0						
Naphthalene	BRL		µg/kg wet	1.0						
n-Propylbenzene	BRL		µg/kg wet	1.0						

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9011267 - SW846 5030 Soil (high level)										
Blank (9011267-BLK1)										
Prepared & Analyzed: 21-Jan-09										
Styrene	BRL		µg/kg wet	1.0						
1,1,1,2-Tetrachloroethane	BRL		µg/kg wet	1.0						
1,1,2,2-Tetrachloroethane	BRL		µg/kg wet	1.0						
Tetrachloroethene	BRL		µg/kg wet	1.0						
Toluene	BRL		µg/kg wet	1.0						
1,2,3-Trichlorobenzene	BRL		µg/kg wet	1.0						
1,2,4-Trichlorobenzene	BRL		µg/kg wet	1.0						
1,3,5-Trichlorobenzene	BRL		µg/kg wet	1.0						
1,1,1-Trichloroethane	BRL		µg/kg wet	1.0						
1,1,2-Trichloroethane	BRL		µg/kg wet	1.0						
Trichloroethene	BRL		µg/kg wet	1.0						
Trichlorofluoromethane (Freon 11)	BRL		µg/kg wet	1.0						
1,2,3-Trichloropropane	BRL		µg/kg wet	1.0						
1,2,4-Trimethylbenzene	BRL		µg/kg wet	1.0						
1,3,5-Trimethylbenzene	BRL		µg/kg wet	1.0						
Vinyl chloride	BRL		µg/kg wet	1.0						
m,p-Xylene	BRL		µg/kg wet	2.0						
o-Xylene	BRL		µg/kg wet	1.0						
Tetrahydrofuran	BRL		µg/kg wet	10.0						
Ethyl ether	BRL		µg/kg wet	1.0						
Tert-amyl methyl ether	BRL		µg/kg wet	1.0						
Ethyl tert-butyl ether	BRL		µg/kg wet	1.0						
Di-isopropyl ether	BRL		µg/kg wet	1.0						
Tert-Butanol / butyl alcohol	BRL		µg/kg wet	10.0						
1,4-Dioxane	BRL		µg/kg wet	20.0						
trans-1,4-Dichloro-2-butene	BRL		µg/kg wet	5.0						
Ethanol	BRL		µg/kg wet	400						
Surrogate: 4-Bromofluorobenzene	*29.1*		µg/kg wet		*30.0*		*97*	*70-130*		
Surrogate: Toluene-d8	*30.0*		µg/kg wet		*30.0*		*100*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*29.8*		µg/kg wet		*30.0*		*100*	*70-130*		
Surrogate: Dibromofluoromethane	*29.8*		µg/kg wet		*30.0*		*99*	*70-130*		
LCS (9011267-BS1)										
Prepared & Analyzed: 21-Jan-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	23.1		µg/kg wet		20.0		115	70-130		
Acetone	22.7		µg/kg wet		20.0		113	7.9-168		
Acrylonitrile	20.6		µg/kg wet		20.0		103	70-130		
Benzene	19.1		µg/kg wet		20.0		96	70-130		
Bromobenzene	21.5		µg/kg wet		20.0		107	70-130		
Bromochloromethane	20.5		µg/kg wet		20.0		102	70-130		
Bromodichloromethane	19.9		µg/kg wet		20.0		100	70-130		
Bromoform	18.8		µg/kg wet		20.0		94	70-130		
Bromomethane	18.1		µg/kg wet		20.0		90	50-134		
2-Butanone (MEK)	19.2		µg/kg wet		20.0		96	44.6-130		
n-Butylbenzene	19.4		µg/kg wet		20.0		97	70-130		
sec-Butylbenzene	21.2		µg/kg wet		20.0		106	70-130		
tert-Butylbenzene	22.3		µg/kg wet		20.0		111	70-130		
Carbon disulfide	21.9		µg/kg wet		20.0		109	70-130		
Carbon tetrachloride	18.2		µg/kg wet		20.0		91	70-130		
Chlorobenzene	23.2		µg/kg wet		20.0		116	70-130		
Chloroethane	16.6		µg/kg wet		20.0		83	59.2-130		

Volatile Organic Compounds - Quality Control

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

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9011267 - SW846 5030 Soil (high level)										
LCS (9011267-BS1)										
Prepared & Analyzed: 21-Jan-09										
m,p-Xylene	40.0		µg/kg wet		40.0		100	70-130		
o-Xylene	21.4		µg/kg wet		20.0		107	70-130		
Tetrahydrofuran	20.5		µg/kg wet		20.0		103	70-130		
Ethyl ether	19.6		µg/kg wet		20.0		98	70-130		
Tert-amyl methyl ether	23.4		µg/kg wet		20.0		117	70-130		
Ethyl tert-butyl ether	15.0		µg/kg wet		20.0		75	70-130		
Di-isopropyl ether	16.1		µg/kg wet		20.0		80	70-130		
Tert-Butanol / butyl alcohol	205		µg/kg wet		200		103	70-130		
1,4-Dioxane	231		µg/kg wet		200		116	48.7-130		
trans-1,4-Dichloro-2-butene	17.1		µg/kg wet		20.0		85	70-130		
Ethanol	411		µg/kg wet		400		103	70-130		
Surrogate: 4-Bromofluorobenzene	*30.4*		µg/kg wet		*30.0*		*101*	*70-130*		
Surrogate: Toluene-d8	*30.0*		µg/kg wet		*30.0*		*100*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*29.1*		µg/kg wet		*30.0*		*97*	*70-130*		
Surrogate: Dibromofluoromethane	*30.6*		µg/kg wet		*30.0*		*102*	*70-130*		
LCS Dup (9011267-BSD1)										
Prepared & Analyzed: 21-Jan-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	25.2		µg/kg wet		20.0		126	70-130	9	25
Acetone	18.3		µg/kg wet		20.0		91	7.9-168	21	50
Acrylonitrile	18.1		µg/kg wet		20.0		91	70-130	13	25
Benzene	20.0		µg/kg wet		20.0		100	70-130	4	25
Bromobenzene	21.5		µg/kg wet		20.0		108	70-130	0.3	25
Bromochloromethane	20.1		µg/kg wet		20.0		100	70-130	2	25
Bromodichloromethane	20.4		µg/kg wet		20.0		102	70-130	2	25
Bromoform	16.7		µg/kg wet		20.0		83	70-130	12	25
Bromomethane	19.2		µg/kg wet		20.0		96	50-134	6	50
2-Butanone (MEK)	18.8		µg/kg wet		20.0		94	44.6-130	2	50
n-Butylbenzene	22.1		µg/kg wet		20.0		111	70-130	13	25
sec-Butylbenzene	22.4		µg/kg wet		20.0		112	70-130	6	25
tert-Butylbenzene	23.3		µg/kg wet		20.0		117	70-130	5	25
Carbon disulfide	23.8		µg/kg wet		20.0		119	70-130	8	25
Carbon tetrachloride	19.6		µg/kg wet		20.0		98	70-130	8	25
Chlorobenzene	23.9		µg/kg wet		20.0		119	70-130	3	25
Chloroethane	18.1		µg/kg wet		20.0		90	59.2-130	9	50
Chloroform	22.6		µg/kg wet		20.0		113	70-130	3	25
Chloromethane	19.6		µg/kg wet		20.0		98	70-130	5	25
2-Chlorotoluene	19.8		µg/kg wet		20.0		99	70-130	5	25
4-Chlorotoluene	20.9		µg/kg wet		20.0		104	70-130	3	25
1,2-Dibromo-3-chloropropane	13.9		µg/kg wet		20.0		70	70-130	15	25
Dibromochloromethane	19.3		µg/kg wet		20.0		96	63.8-130	5	50
1,2-Dibromoethane (EDB)	18.8		µg/kg wet		20.0		94	70-130	6	25
Dibromomethane	19.6		µg/kg wet		20.0		98	70-130	0.9	25
1,2-Dichlorobenzene	20.5		µg/kg wet		20.0		103	70-130	3	25
1,3-Dichlorobenzene	22.0		µg/kg wet		20.0		110	70-130	1	25
1,4-Dichlorobenzene	22.8		µg/kg wet		20.0		114	70-130	5	25
Dichlorodifluoromethane (Freon12)	16.2		µg/kg wet		20.0		81	41.8-130	8	50
1,1-Dichloroethane	22.3		µg/kg wet		20.0		111	70-130	6	25
1,2-Dichloroethane	21.3		µg/kg wet		20.0		107	70-130	0.4	25
1,1-Dichloroethene	22.6		µg/kg wet		20.0		113	70-130	7	25
cis-1,2-Dichloroethene	21.0		µg/kg wet		20.0		105	70-130	4	25

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9011267 - SW846 5030 Soil (high level)										
LCS Dup (9011267-BSD1)										
Prepared & Analyzed: 21-Jan-09										
trans-1,2-Dichloroethene	20.4		µg/kg wet		20.0		102	70-130	3	25
1,2-Dichloropropane	19.3		µg/kg wet		20.0		97	70-130	5	25
1,3-Dichloropropane	17.5		µg/kg wet		20.0		88	70-130	2	25
2,2-Dichloropropane	17.3	QR5	µg/kg wet		20.0		86	70-130	48	25
1,1-Dichloropropene	20.8		µg/kg wet		20.0		104	70-130	5	25
cis-1,3-Dichloropropene	18.0		µg/kg wet		20.0		90	70-130	13	25
trans-1,3-Dichloropropene	16.4		µg/kg wet		20.0		82	70-130	11	25
Ethylbenzene	21.2		µg/kg wet		20.0		106	70-130	5	25
Hexachlorobutadiene	21.2		µg/kg wet		20.0		106	68.3-130	11	50
2-Hexanone (MBK)	17.6		µg/kg wet		20.0		88	70-130	7	25
Isopropylbenzene	18.3		µg/kg wet		20.0		92	70-130	4	25
4-Isopropyltoluene	22.1		µg/kg wet		20.0		111	70-130	8	25
Methyl tert-butyl ether	19.3		µg/kg wet		20.0		96	70-130	4	25
4-Methyl-2-pentanone (MIBK)	18.0		µg/kg wet		20.0		90	53.1-132	6	50
Methylene chloride	22.8		µg/kg wet		20.0		114	70-130	4	25
Naphthalene	17.7		µg/kg wet		20.0		89	70-130	7	25
n-Propylbenzene	21.6		µg/kg wet		20.0		108	70-130	7	25
Styrene	21.5		µg/kg wet		20.0		108	70-130	2	25
1,1,1,2-Tetrachloroethane	20.0		µg/kg wet		20.0		100	70-130	0.9	25
1,1,2,2-Tetrachloroethane	18.8		µg/kg wet		20.0		94	70-130	5	25
Tetrachloroethene	22.3		µg/kg wet		20.0		111	70-130	3	25
Toluene	20.2		µg/kg wet		20.0		101	70-130	4	25
1,2,3-Trichlorobenzene	20.8		µg/kg wet		20.0		104	70-130	0.1	25
1,2,4-Trichlorobenzene	20.7		µg/kg wet		20.0		103	70-130	2	25
1,3,5-Trichlorobenzene	21.0		µg/kg wet		20.0		105	70-130	5	25
1,1,1-Trichloroethane	20.6		µg/kg wet		20.0		103	70-130	5	25
1,1,2-Trichloroethane	18.9		µg/kg wet		20.0		94	70-130	5	25
Trichloroethene	21.8		µg/kg wet		20.0		109	70-130	7	25
Trichlorofluoromethane (Freon 11)	21.2		µg/kg wet		20.0		106	68.2-130	6	50
1,2,3-Trichloropropane	23.1		µg/kg wet		20.0		115	70-130	7	25
1,2,4-Trimethylbenzene	21.6		µg/kg wet		20.0		108	70-130	4	25
1,3,5-Trimethylbenzene	22.2		µg/kg wet		20.0		111	70-130	4	25
Vinyl chloride	20.2		µg/kg wet		20.0		101	70-130	9	25
m,p-Xylene	41.7		µg/kg wet		40.0		104	70-130	4	25
o-Xylene	21.9		µg/kg wet		20.0		109	70-130	2	25
Tetrahydrofuran	18.6		µg/kg wet		20.0		93	70-130	10	25
Ethyl ether	19.6		µg/kg wet		20.0		98	70-130	0.1	50
Tert-amyl methyl ether	22.2		µg/kg wet		20.0		111	70-130	6	25
Ethyl tert-butyl ether	15.4		µg/kg wet		20.0		77	70-130	2	25
Di-isopropyl ether	16.7		µg/kg wet		20.0		83	70-130	4	25
Tert-Butanol / butyl alcohol	181		µg/kg wet		200		90	70-130	13	25
1,4-Dioxane	203		µg/kg wet		200		101	48.7-130	13	25
trans-1,4-Dichloro-2-butene	17.0		µg/kg wet		20.0		85	70-130	0.5	25
Ethanol	538	QC1	µg/kg wet		400		135	70-130	27	30
Surrogate: 4-Bromofluorobenzene	*29.5*		µg/kg wet		*30.0*		*98*	*70-130*		
Surrogate: Toluene-d8	*30.1*		µg/kg wet		*30.0*		*100*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*28.9*		µg/kg wet		*30.0*		*96*	*70-130*		
Surrogate: Dibromofluoromethane	*30.0*		µg/kg wet		*30.0*		*100*	*70-130*		
Matrix Spike (9011267-MS1)	**Source: SA89920-02**									
Prepared & Analyzed: 21-Jan-09										

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* Reportable Detection Limit BRL = Below Reporting Limit

Volatile Organic Compounds - Quality Control

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

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9011233 - SW846 3550B										
Blank (9011233-BLK1)										
Prepared: 21-Jan-09 Analyzed: 22-Jan-09										
Acenaphthene	BRL		µg/kg wet	330						
Acenaphthylene	BRL		µg/kg wet	330						
Aniline	BRL		µg/kg wet	330						
Anthracene	BRL		µg/kg wet	330						
Atrazine	BRL		µg/kg wet	330						
Azobenzene/Diphenyldiazine	BRL		µg/kg wet	330						
Benzidine	BRL		µg/kg wet	330						
Benzo (a) anthracene	BRL		µg/kg wet	330						
Benzo (a) pyrene	BRL		µg/kg wet	330						
Benzo (b) fluoranthene	BRL		µg/kg wet	330						
Benzo (g,h,i) perylene	BRL		µg/kg wet	330						
Benzo (k) fluoranthene	BRL		µg/kg wet	330						
Benzoic acid	BRL		µg/kg wet	330						
Benzyl alcohol	BRL		µg/kg wet	330						
Bis(2-chloroethoxy)methane	BRL		µg/kg wet	330						
Bis(2-chloroethyl)ether	BRL		µg/kg wet	330						
Bis(2-chloroisopropyl)ether	BRL		µg/kg wet	330						
Bis(2-ethylhexyl)phthalate	BRL		µg/kg wet	330						
4-Bromophenyl phenyl ether	BRL		µg/kg wet	330						
Butyl benzyl phthalate	BRL		µg/kg wet	330						
Carbazole	BRL		µg/kg wet	330						
4-Chloro-3-methylphenol	BRL		µg/kg wet	330						
4-Chloroaniline	BRL		µg/kg wet	330						
2-Chloronaphthalene	BRL		µg/kg wet	330						
2-Chlorophenol	BRL		µg/kg wet	330						
4-Chlorophenyl phenyl ether	BRL		µg/kg wet	330						
Chrysene	BRL		µg/kg wet	330						
Dibenzo (a,h) anthracene	BRL		µg/kg wet	330						
Dibenzofuran	BRL		µg/kg wet	330						
1,2-Dichlorobenzene	BRL		µg/kg wet	330						
1,3-Dichlorobenzene	BRL		µg/kg wet	330						
1,4-Dichlorobenzene	BRL		µg/kg wet	330						
3,3'-Dichlorobenzidine	BRL		µg/kg wet	330						
2,4-Dichlorophenol	BRL		µg/kg wet	330						
Diethyl phthalate	BRL		µg/kg wet	330						
Dimethyl phthalate	BRL		µg/kg wet	330						
2,4-Dimethylphenol	BRL		µg/kg wet	330						
Di-n-butyl phthalate	BRL		µg/kg wet	330						
4,6-Dinitro-2-methylphenol	BRL		µg/kg wet	330						
2,4-Dinitrophenol	BRL		µg/kg wet	330						
2,4-Dinitrotoluene	BRL		µg/kg wet	330						
2,6-Dinitrotoluene	BRL		µg/kg wet	330						
Di-n-octyl phthalate	BRL		µg/kg wet	330						
Fluoranthene	BRL		µg/kg wet	330						
Fluorene	BRL		µg/kg wet	330						
Hexachlorobenzene	BRL		µg/kg wet	330						
Hexachlorobutadiene	BRL		µg/kg wet	330						
Hexachlorocyclopentadiene	BRL		µg/kg wet	330						
Hexachloroethane	BRL		µg/kg wet	330						

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9011233 - SW846 3550B										
Blank (9011233-BLK1)										
Prepared: 21-Jan-09 Analyzed: 22-Jan-09										
Indeno (1,2,3-cd) pyrene	BRL		µg/kg wet	330						
1-Methylnaphthalene	BRL		µg/kg wet	330						
Isophorone	BRL		µg/kg wet	330						
2-Methylnaphthalene	BRL		µg/kg wet	330						
2-Methylphenol	BRL		µg/kg wet	330						
3 & 4-Methylphenol	BRL		µg/kg wet	330						
Naphthalene	BRL		µg/kg wet	330						
2-Nitroaniline	BRL		µg/kg wet	330						
3-Nitroaniline	BRL		µg/kg wet	330						
4-Nitroaniline	BRL		µg/kg wet	1320						
Nitrobenzene	BRL		µg/kg wet	330						
2-Nitrophenol	BRL		µg/kg wet	330						
4-Nitrophenol	BRL		µg/kg wet	1320						
N-Nitrosodimethylamine	BRL		µg/kg wet	330						
N-Nitrosodi-n-propylamine	BRL		µg/kg wet	330						
N-Nitrosodiphenylamine	BRL		µg/kg wet	330						
Pentachlorophenol	BRL		µg/kg wet	330						
Phenanthrene	BRL		µg/kg wet	330						
Phenol	BRL		µg/kg wet	330						
Pyrene	BRL		µg/kg wet	330						
Pyridine	BRL		µg/kg wet	330						
1,2,4-Trichlorobenzene	BRL		µg/kg wet	330						
2,4,5-Trichlorophenol	BRL		µg/kg wet	330						
2,4,6-Trichlorophenol	BRL		µg/kg wet	330						
Pentachloronitrobenzene	BRL		µg/kg wet	330						
1,2,4,5-Tetrachlorobenzene	BRL		µg/kg wet	330						
Surrogate: 2-Fluorobiphenyl	*1940*		µg/kg wet		*3330*		*58*	*30-130*		
Surrogate: 2-Fluorophenol	*1830*		µg/kg wet		*3330*		*55*	*15-110*		
Surrogate: Nitrobenzene-d5	*1840*		µg/kg wet		*3330*		*55*	*30-130*		
Surrogate: Phenol-d5	*1720*		µg/kg wet		*3330*		*52*	*15-110*		
Surrogate: Terphenyl-dl4	*1680*		µg/kg wet		*3330*		*50*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*1780*		µg/kg wet		*3330*		*53*	*15-110*		
LCS (9011233-BS1)										
Prepared: 21-Jan-09 Analyzed: 22-Jan-09										
Acenaphthene	2350		µg/kg wet	330	3330		71	40-130		
Acenaphthylene	2230		µg/kg wet	330	3330		67	40-130		
Aniline	818	QC2	µg/kg wet	330	3330		25	40-130		
Anthracene	2370		µg/kg wet	330	3330		71	40-130		
Atrazine	1880		µg/kg wet	330	3330		56	40-130		
Azobenzene/Diphenyldiazine	2450		µg/kg wet	330	3330		73	40-130		
Benzidine	58.7		µg/kg wet	330	3330		2	0-130		
Benzo (a) anthracene	2240		µg/kg wet	330	3330		67	40-130		
Benzo (a) pyrene	2350		µg/kg wet	330	3330		70	40-130		
Benzo (b) fluoranthene	2270		µg/kg wet	330	3330		68	40-130		
Benzo (g,h,i) perylene	2480		µg/kg wet	330	3330		74	40-130		
Benzo (k) fluoranthene	2560		µg/kg wet	330	3330		77	40-130		
Benzoic acid	2540		µg/kg wet	330	3330		76	19.5-130		
Benzyl alcohol	2170		µg/kg wet	330	3330		65	40-130		
Bis(2-chloroethoxy)methane	2380		µg/kg wet	330	3330		71	40-130		
Bis(2-chloroethyl)ether	2570		µg/kg wet	330	3330		77	40-130		

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9011233 - SW846 3550B										
LCS (9011233-BS1)										
Prepared: 21-Jan-09 Analyzed: 22-Jan-09										
Bis(2-chloroisopropyl)ether	2390		µg/kg wet	330	3330		72	40-130		
Bis(2-ethylhexyl)phthalate	2630		µg/kg wet	330	3330		79	40-130		
4-Bromophenyl phenyl ether	2640		µg/kg wet	330	3330		79	40-130		
Butyl benzyl phthalate	2630		µg/kg wet	330	3330		79	40-130		
Carbazole	3700		µg/kg wet	330	3330		111	40-130		
4-Chloro-3-methylphenol	2440		µg/kg wet	330	3330		73	40-130		
4-Chloroaniline	1580		µg/kg wet	330	3330		47	40-130		
2-Chloronaphthalene	2140		µg/kg wet	330	3330		64	40-130		
2-Chlorophenol	2180		µg/kg wet	330	3330		65	40-130		
4-Chlorophenyl phenyl ether	2700		µg/kg wet	330	3330		81	40-130		
Chrysene	2250		µg/kg wet	330	3330		68	40-130		
Dibenzo (a,h) anthracene	2520		µg/kg wet	330	3330		75	40-130		
Dibenzofuran	2280		µg/kg wet	330	3330		68	40-130		
1,2-Dichlorobenzene	2150		µg/kg wet	330	3330		65	40-130		
1,3-Dichlorobenzene	2010		µg/kg wet	330	3330		60	40-130		
1,4-Dichlorobenzene	2110		µg/kg wet	330	3330		63	40-130		
3,3'-Dichlorobenzidine	3060		µg/kg wet	330	3330		92	40-130		
2,4-Dichlorophenol	2190		µg/kg wet	330	3330		66	40-130		
Diethyl phthalate	2640		µg/kg wet	330	3330		79	40-130		
Dimethyl phthalate	2600		µg/kg wet	330	3330		78	40-130		
2,4-Dimethylphenol	2160		µg/kg wet	330	3330		65	40-130		
Di-n-butyl phthalate	2740		µg/kg wet	330	3330		82	40-130		
4,6-Dinitro-2-methylphenol	2410		µg/kg wet	330	3330		72	40-130		
2,4-Dinitrophenol	2340		µg/kg wet	330	3330		70	40-130		
2,4-Dinitrotoluene	2480		µg/kg wet	330	3330		75	40-130		
2,6-Dinitrotoluene	2430		µg/kg wet	330	3330		73	40-130		
Di-n-octyl phthalate	2770		µg/kg wet	330	3330		83	40-130		
Fluoranthene	2440		µg/kg wet	330	3330		73	40-130		
Fluorene	2450		µg/kg wet	330	3330		74	40-130		
Hexachlorobenzene	2260		µg/kg wet	330	3330		68	40-130		
Hexachlorobutadiene	2120		µg/kg wet	330	3330		64	40-130		
Hexachlorocyclopentadiene	1830		µg/kg wet	330	3330		55	40-130		
Hexachloroethane	2160		µg/kg wet	330	3330		65	40-130		
Indeno (1,2,3-cd) pyrene	2360		µg/kg wet	330	3330		71	40-130		
1-Methylnaphthalene	2380		µg/kg wet	330	3330		71	40-140		
Isophorone	2140		µg/kg wet	330	3330		64	40-130		
2-Methylnaphthalene	2180		µg/kg wet	330	3330		65	40-130		
2-Methylphenol	2480		µg/kg wet	330	3330		74	40-130		
3 & 4-Methylphenol	2470		µg/kg wet	330	3330		74	40-130		
Naphthalene	2130		µg/kg wet	330	3330		64	40-130		
2-Nitroaniline	2390		µg/kg wet	330	3330		72	40-130		
3-Nitroaniline	2420		µg/kg wet	330	3330		73	40-130		
4-Nitroaniline	2510		µg/kg wet	1320	3330		75	40-130		
Nitrobenzene	2090		µg/kg wet	330	3330		63	40-130		
2-Nitrophenol	2160		µg/kg wet	330	3330		65	40-130		
4-Nitrophenol	1700		µg/kg wet	1320	3330		51	40-130		
N-Nitrosodimethylamine	2210		µg/kg wet	330	3330		66	40-130		
N-Nitrosodi-n-propylamine	2730		µg/kg wet	330	3330		82	40-130		
N-Nitrosodiphenylamine	2690		µg/kg wet	330	3330		81	40-130		

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9011233 - SW846 3550B										
LCS (9011233-BS1)										
Prepared: 21-Jan-09 Analyzed: 22-Jan-09										
Pentachlorophenol	2760		µg/kg wet	330	3330		83	40-130		
Phenanthrene	2430		µg/kg wet	330	3330		73	40-130		
Phenol	2250		µg/kg wet	330	3330		68	40-130		
Pyrene	2220		µg/kg wet	330	3330		67	40-130		
Pyridine	363		µg/kg wet	330	3330		11	0-130		
1,2,4-Trichlorobenzene	2010		µg/kg wet	330	3330		60	40-130		
2,4,5-Trichlorophenol	2520		µg/kg wet	330	3330		76	40-130		
2,4,6-Trichlorophenol	2200		µg/kg wet	330	3330		66	40-130		
Pentachloronitrobenzene	2500		µg/kg wet	330	3330		75	40-140		
1,2,4,5-Tetrachlorobenzene	2090		µg/kg wet	330	3330		63	40-140		
Surrogate: 2-Fluorobiphenyl	*2240*		µg/kg wet		*3330*		*67*	*30-130*		
Surrogate: 2-Fluorophenol	*2040*		µg/kg wet		*3330*		*61*	*15-110*		
Surrogate: Nitrobenzene-d5	*2140*		µg/kg wet		*3330*		*64*	*30-130*		
Surrogate: Phenol-d5	*1960*		µg/kg wet		*3330*		*59*	*15-110*		
Surrogate: Terphenyl-dl4	*1980*		µg/kg wet		*3330*		*59*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*2550*		µg/kg wet		*3330*		*77*	*15-110*		
Duplicate (9011233-DUP1) **Source: SA90057-01**										
Prepared: 21-Jan-09 Analyzed: 22-Jan-09										
Acenaphthene	BRL		µg/kg dry	698		BRL				50
Acenaphthylene	BRL		µg/kg dry	698		BRL				50
Aniline	BRL		µg/kg dry	698		BRL				50
Anthracene	BRL		µg/kg dry	698		BRL				50
Atrazine	BRL		µg/kg dry	698		BRL				50
Azobenzene/Diphenyldiazine	BRL		µg/kg dry	698		BRL				50
Benzidine	BRL		µg/kg dry	698		BRL				50
Benzo (a) anthracene	BRL		µg/kg dry	698		BRL				50
Benzo (a) pyrene	BRL		µg/kg dry	698		BRL				50
Benzo (b) fluoranthene	BRL		µg/kg dry	698		BRL				50
Benzo (g,h,i) perylene	BRL		µg/kg dry	698		BRL				50
Benzo (k) fluoranthene	BRL		µg/kg dry	698		BRL				50
Benzoic acid	BRL		µg/kg dry	698		BRL				50
Benzyl alcohol	BRL		µg/kg dry	698		BRL				50
Bis(2-chloroethoxy)methane	BRL		µg/kg dry	698		BRL				50
Bis(2-chloroethyl)ether	BRL		µg/kg dry	698		BRL				50
Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	698		BRL				50
Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	698		BRL				50
4-Bromophenyl phenyl ether	BRL		µg/kg dry	698		BRL				50
Butyl benzyl phthalate	BRL		µg/kg dry	698		BRL				50
Carbazole	BRL		µg/kg dry	698		BRL				50
4-Chloro-3-methylphenol	BRL		µg/kg dry	698		BRL				50
4-Chloroaniline	BRL		µg/kg dry	698		BRL				50
2-Chloronaphthalene	BRL		µg/kg dry	698		BRL				50
2-Chlorophenol	BRL		µg/kg dry	698		BRL				50
4-Chlorophenyl phenyl ether	BRL		µg/kg dry	698		BRL				50
Chrysene	BRL		µg/kg dry	698		BRL				50
Dibenzo (a,h) anthracene	BRL		µg/kg dry	698		BRL				50
Dibenzofuran	BRL		µg/kg dry	698		BRL				50
1,2-Dichlorobenzene	BRL		µg/kg dry	698		BRL				50
1,3-Dichlorobenzene	BRL		µg/kg dry	698		BRL				50
1,4-Dichlorobenzene	BRL		µg/kg dry	698		BRL				50

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9011233 - SW846 3550B										
Duplicate (9011233-DUP1) **Source: SA90057-01**										
Prepared: 21-Jan-09 Analyzed: 22-Jan-09										
3,3'-Dichlorobenzidine	BRL		µg/kg dry	698		BRL				50
2,4-Dichlorophenol	BRL		µg/kg dry	698		BRL				50
Diethyl phthalate	BRL		µg/kg dry	698		BRL				50
Dimethyl phthalate	BRL		µg/kg dry	698		BRL				50
2,4-Dimethylphenol	BRL		µg/kg dry	698		BRL				50
Di-n-butyl phthalate	BRL		µg/kg dry	698		BRL				50
4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	698		BRL				50
2,4-Dinitrophenol	BRL		µg/kg dry	698		BRL				50
2,4-Dinitrotoluene	BRL		µg/kg dry	698		BRL				50
2,6-Dinitrotoluene	BRL		µg/kg dry	698		BRL				50
Di-n-octyl phthalate	BRL		µg/kg dry	698		BRL				50
Fluoranthene	BRL		µg/kg dry	698		BRL				50
Fluorene	BRL		µg/kg dry	698		BRL				50
Hexachlorobenzene	BRL		µg/kg dry	698		BRL				50
Hexachlorobutadiene	BRL		µg/kg dry	698		BRL				50
Hexachlorocyclopentadiene	BRL		µg/kg dry	698		BRL				50
Hexachloroethane	BRL		µg/kg dry	698		BRL				50
Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	698		BRL				50
Isophorone	BRL		µg/kg dry	698		BRL				50
1-Methylnaphthalene	BRL		µg/kg dry	698		BRL				50
2-Methylnaphthalene	BRL		µg/kg dry	698		BRL				50
2-Methylphenol	BRL		µg/kg dry	698		BRL				50
3 & 4-Methylphenol	BRL		µg/kg dry	698		BRL				50
Naphthalene	BRL		µg/kg dry	698		BRL				50
2-Nitroaniline	BRL		µg/kg dry	698		BRL				50
3-Nitroaniline	BRL		µg/kg dry	698		BRL				50
4-Nitroaniline	BRL		µg/kg dry	2790		BRL				50
Nitrobenzene	BRL		µg/kg dry	698		BRL				50
2-Nitrophenol	BRL		µg/kg dry	698		BRL				50
4-Nitrophenol	BRL		µg/kg dry	2790		BRL				50
N-Nitrosodimethylamine	BRL		µg/kg dry	698		BRL				50
N-Nitrosodi-n-propylamine	BRL		µg/kg dry	698		BRL				50
N-Nitrosodiphenylamine	BRL		µg/kg dry	698		BRL				50
Pentachlorophenol	BRL		µg/kg dry	698		BRL				50
Phenanthrene	BRL		µg/kg dry	698		BRL				50
Phenol	BRL		µg/kg dry	698		BRL				50
Pyrene	BRL		µg/kg dry	698		BRL				50
Pyridine	BRL		µg/kg dry	698		BRL				50
1,2,4-Trichlorobenzene	BRL		µg/kg dry	698		BRL				50
2,4,5-Trichlorophenol	BRL		µg/kg dry	698		BRL				50
2,4,6-Trichlorophenol	BRL		µg/kg dry	698		BRL				50
Pentachloronitrobenzene	BRL		µg/kg dry	698		BRL				50
1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	698		BRL				50
Surrogate: 2-Fluorobiphenyl	*3080*		µg/kg dry		*3530*		*87*	*30-130*		
Surrogate: 2-Fluorophenol	*2770*		µg/kg dry		*3530*		*79*	*15-110*		
Surrogate: Nitrobenzene-d5	*2870*		µg/kg dry		*3530*		*81*	*30-130*		
Surrogate: Phenol-d5	*2650*		µg/kg dry		*3530*		*75*	*15-110*		
Surrogate: Terphenyl-dl4	*2530*		µg/kg dry		*3530*		*72*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*2600*		µg/kg dry		*3530*		*74*	*15-110*		

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9011233 - SW846 3550B										
Matrix Spike (9011233-MS1) **Source: SA90057-01**										
Prepared: 21-Jan-09 Analyzed: 22-Jan-09										
Acenaphthene	2650		µg/kg dry	354	3580	BRL	74	40-140		
Benzo (b) fluoranthene	2620		µg/kg dry	354	3580	BRL	73	40-140		
Benzo (k) fluoranthene	3110		µg/kg dry	354	3580	BRL	87	40-140		
4-Chloro-3-methylphenol	2950		µg/kg dry	354	3580	BRL	82	30-130		
2-Chlorophenol	2390		µg/kg dry	354	3580	BRL	67	30-130		
Chrysene	2680		µg/kg dry	354	3580	BRL	75	40-140		
1,4-Dichlorobenzene	2280		µg/kg dry	354	3580	BRL	64	40-140		
Indeno (1,2,3-cd) pyrene	2930		µg/kg dry	354	3580	BRL	82	40-140		
Naphthalene	2370		µg/kg dry	354	3580	BRL	66	40-140		
4-Nitrophenol	2010		µg/kg dry	1420	3580	BRL	56	30-130		
N-Nitrosodi-n-propylamine	3070		µg/kg dry	354	3580	BRL	86	40-140		
Pentachlorophenol	3230		µg/kg dry	354	3580	BRL	90	30-130		
Phenol	2550		µg/kg dry	354	3580	BRL	71	30-130		
Pyrene	2590		µg/kg dry	354	3580	BRL	72	40-140		
1,2,4-Trichlorobenzene	2180		µg/kg dry	354	3580	BRL	61	40-140		
Surrogate: 2-Fluorobiphenyl	*1680*		µg/kg dry		*3580*		*47*	*30-130*		
Surrogate: 2-Fluorophenol	*1330*		µg/kg dry		*3580*		*37*	*15-110*		
Surrogate: Nitrobenzene-d5	*1520*		µg/kg dry		*3580*		*42*	*30-130*		
Surrogate: Phenol-d5	*1410*		µg/kg dry		*3580*		*39*	*15-110*		
Surrogate: Terphenyl-dl4	*1530*		µg/kg dry		*3580*		*43*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*1910*		µg/kg dry		*3580*		*53*	*15-110*		
Matrix Spike Dup (9011233-MSD1) **Source: SA90057-01**										
Prepared: 21-Jan-09 Analyzed: 22-Jan-09										
Acenaphthene	2860		µg/kg dry	358	3620	BRL	79	40-140	7	30
Benzo (b) fluoranthene	2690		µg/kg dry	358	3620	BRL	74	40-140	1	30
Benzo (k) fluoranthene	3190		µg/kg dry	358	3620	BRL	88	40-140	1	30
4-Chloro-3-methylphenol	3090		µg/kg dry	358	3620	BRL	86	30-130	4	30
2-Chlorophenol	2840		µg/kg dry	358	3620	BRL	79	30-130	16	30
Chrysene	2720		µg/kg dry	358	3620	BRL	75	40-140	0.7	30
1,4-Dichlorobenzene	2740		µg/kg dry	358	3620	BRL	76	40-140	17	30
Indeno (1,2,3-cd) pyrene	3000		µg/kg dry	358	3620	BRL	83	40-140	1	30
Naphthalene	2800		µg/kg dry	358	3620	BRL	77	40-140	16	30
4-Nitrophenol	2150		µg/kg dry	1430	3620	BRL	59	30-130	6	30
N-Nitrosodi-n-propylamine	3490		µg/kg dry	358	3620	BRL	96	40-140	12	30
Pentachlorophenol	3410		µg/kg dry	358	3620	BRL	94	30-130	4	30
Phenol	2940		µg/kg dry	358	3620	BRL	81	30-130	13	30
Pyrene	2670		µg/kg dry	358	3620	BRL	74	40-140	2	30
1,2,4-Trichlorobenzene	2620		µg/kg dry	358	3620	BRL	73	40-140	17	30
Surrogate: 2-Fluorobiphenyl	*2770*		µg/kg dry		*3620*		*77*	*30-130*		
Surrogate: 2-Fluorophenol	*2560*		µg/kg dry		*3620*		*71*	*15-110*		
Surrogate: Nitrobenzene-d5	*2820*		µg/kg dry		*3620*		*78*	*30-130*		
Surrogate: Phenol-d5	*2540*		µg/kg dry		*3620*		*70*	*15-110*		
Surrogate: Terphenyl-dl4	*2370*		µg/kg dry		*3620*		*66*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*3150*		µg/kg dry		*3620*		*87*	*15-110*		

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9011137 - SW846 3550B										
Blank (9011137-BLK1)										
Prepared: 20-Jan-09 Analyzed: 21-Jan-09										
PCB 1016	BRL		µg/kg wet	20.0						
PCB 1221	BRL		µg/kg wet	20.0						
PCB 1232	BRL		µg/kg wet	20.0						
PCB 1242	BRL		µg/kg wet	20.0						
PCB 1248	BRL		µg/kg wet	20.0						
PCB 1254	BRL		µg/kg wet	20.0						
PCB 1260	BRL		µg/kg wet	20.0						
PCB 1262	BRL		µg/kg wet	20.0						
PCB 1268	BRL		µg/kg wet	20.0						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*16.7*		µg/kg wet		*20.0*		*84*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*10.2*		µg/kg wet		*20.0*		*51*	*30-150*		
LCS (9011137-BS1)										
Prepared: 20-Jan-09 Analyzed: 21-Jan-09										
PCB 1016	230		µg/kg wet	20.0	250		92	40-140		
PCB 1260	220		µg/kg wet	20.0	250		88	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*16.6*		µg/kg wet		*20.0*		*83*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*10.1*		µg/kg wet		*20.0*		*50*	*30-150*		
LCS Dup (9011137-BSD1)										
Prepared: 20-Jan-09 Analyzed: 21-Jan-09										
PCB 1016	230		µg/kg wet	20.0	250		92	40-140	0.3	30
PCB 1260	232		µg/kg wet	20.0	250		93	40-140	5	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*16.6*		µg/kg wet		*20.0*		*83*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*10.4*		µg/kg wet		*20.0*		*52*	*30-150*		
Duplicate (9011137-DUP1) **Source: SA89879-17**										
Prepared: 20-Jan-09 Analyzed: 21-Jan-09										
PCB 1016	BRL		µg/kg dry	21.7		BRL				40
PCB 1221	BRL		µg/kg dry	21.7		BRL				40
PCB 1232	BRL		µg/kg dry	21.7		BRL				40
PCB 1242	BRL		µg/kg dry	21.7		BRL				40
PCB 1248	BRL		µg/kg dry	21.7		BRL				40
PCB 1254	BRL		µg/kg dry	21.7		BRL				40
PCB 1260	BRL		µg/kg dry	21.7		BRL				40
PCB 1262	BRL		µg/kg dry	21.7		BRL				40
PCB 1268	BRL		µg/kg dry	21.7		BRL				40
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*19.0*		µg/kg dry		*21.7*		*87*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*13.4*		µg/kg dry		*21.7*		*62*	*30-150*		
Matrix Spike (9011137-MS1) **Source: SA89879-17**										
Prepared: 20-Jan-09 Analyzed: 21-Jan-09										
PCB 1016	241		µg/kg dry	20.5	256	BRL	94	40-140		
PCB 1260	235		µg/kg dry	20.5	256	BRL	92	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*18.3*		µg/kg dry		*20.5*		*89*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*11.7*		µg/kg dry		*20.5*		*57*	*30-150*		
Matrix Spike Dup (9011137-MSD1) **Source: SA89879-17**										
Prepared: 20-Jan-09 Analyzed: 21-Jan-09										
PCB 1016	252		µg/kg dry	21.0	262	BRL	96	40-140	2	50
PCB 1260	245		µg/kg dry	21.0	262	BRL	93	40-140	2	50
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*19.2*		µg/kg dry		*21.0*		*91*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*11.7*		µg/kg dry		*21.0*		*56*	*30-150*		
Batch 9011138 - SW846 3550B										

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9011138 - SW846 3550B										
Blank (9011138-BLK1)										
Prepared: 20-Jan-09 Analyzed: 21-Jan-09										
2,4,5-T	BRL		µg/kg wet	6.70						
2,4,5-T [2C]	BRL		µg/kg wet	6.70						
2,4,5-TP (Silvex)	BRL		µg/kg wet	6.70						
2,4,5-TP (Silvex) [2C]	BRL		µg/kg wet	6.70						
2,4-D	BRL		µg/kg wet	6.70						
2,4-D [2C]	BRL		µg/kg wet	6.70						
2,4-DB	BRL		µg/kg wet	6.70						
2,4-DB [2C]	BRL		µg/kg wet	6.70						
Dalapon	BRL		µg/kg wet	6.70						
Dalapon [2C]	BRL		µg/kg wet	6.70						
Dicamba	BRL		µg/kg wet	6.70						
Dicamba [2C]	BRL		µg/kg wet	6.70						
Dichlorprop	BRL		µg/kg wet	6.70						
Dichlorprop [2C]	BRL		µg/kg wet	6.70						
Dinoseb	BRL		µg/kg wet	6.70						
Dinoseb [2C]	BRL		µg/kg wet	6.70						
MCPA	BRL		µg/kg wet	670						
MCPA [2C]	BRL		µg/kg wet	670						
MCPB	BRL		µg/kg wet	670						
MCPB [2C]	BRL		µg/kg wet	670						
MCPP	BRL		µg/kg wet	670						
MCPP [2C]	BRL		µg/kg wet	670						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*14.2*		µg/kg wet		*13.3*		*106*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [	*13.5*		µg/kg wet		*13.3*		*101*	*30-150*		
LCS (9011138-BS1)										
Prepared: 20-Jan-09 Analyzed: 21-Jan-09										
2,4,5-T	25.7		µg/kg wet	6.70	33.3		77	40-140		
2,4,5-T [2C]	30.4		µg/kg wet	6.70	33.3		91	40-140		
2,4,5-TP (Silvex)	26.1		µg/kg wet	6.70	33.3		78	40-140		
2,4,5-TP (Silvex) [2C]	30.3		µg/kg wet	6.70	33.3		91	40-140		
2,4-D	26.7		µg/kg wet	6.70	33.3		80	40-140		
2,4-D [2C]	25.9		µg/kg wet	6.70	33.3		78	40-140		
2,4-DB	27.9		µg/kg wet	6.70	33.3		84	40-140		
2,4-DB [2C]	27.7		µg/kg wet	6.70	33.3		83	40-140		
Dalapon	22.8		µg/kg wet	6.70	33.3		68	40-140		
Dalapon [2C]	21.3		µg/kg wet	6.70	33.3		64	40-140		
Dicamba	27.0		µg/kg wet	6.70	33.3		81	40-140		
Dicamba [2C]	26.8		µg/kg wet	6.70	33.3		80	40-140		
Dichlorprop	28.7		µg/kg wet	6.70	33.3		86	40-140		
Dichlorprop [2C]	30.2		µg/kg wet	6.70	33.3		91	40-140		
Dinoseb	27.7		µg/kg wet	6.70	33.3		83	40-140		
Dinoseb [2C]	28.5		µg/kg wet	6.70	33.3		86	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*13.3*		µg/kg wet		*13.3*		*100*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [	*14.3*		µg/kg wet		*13.3*		*107*	*30-150*		
LCS (9011138-BS2)										
Prepared: 20-Jan-09 Analyzed: 21-Jan-09										
MCPA	11100		µg/kg wet	670	10000		111	40-140		
MCPA [2C]	11900		µg/kg wet	670	10000		119	40-140		
MCPB	11500		µg/kg wet	670	10000		115	40-140		

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9011138 - SW846 3550B										
LCS (9011138-BS2)										
Prepared: 20-Jan-09 Analyzed: 21-Jan-09										
MCPB [2C]	11000		µg/kg wet	670	10000		110	40-140		
MCPP	10300		µg/kg wet	670	10000		103	40-140		
MCPP [2C]	12300		µg/kg wet	670	10000		123	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*14.7*		µg/kg wet		*13.3*		*110*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [	*15.9*		µg/kg wet		*13.3*		*119*	*30-150*		
LCS Dup (9011138-BSD1)										
Prepared: 20-Jan-09 Analyzed: 21-Jan-09										
2,4,5-T	25.5		µg/kg wet	6.70	33.3		77	40-140	0.5	25
2,4,5-T [2C]	28.1		µg/kg wet	6.70	33.3		84	40-140	8	25
2,4,5-TP (Silvex)	26.4		µg/kg wet	6.70	33.3		79	40-140	1	25
2,4,5-TP (Silvex) [2C]	28.1		µg/kg wet	6.70	33.3		84	40-140	7	25
2,4-D	23.7		µg/kg wet	6.70	33.3		71	40-140	12	25
2,4-D [2C]	24.4		µg/kg wet	6.70	33.3		73	40-140	6	25
2,4-DB	27.3		µg/kg wet	6.70	33.3		82	40-140	2	25
2,4-DB [2C]	29.5		µg/kg wet	6.70	33.3		89	40-140	7	25
Dalapon	19.7		µg/kg wet	6.70	33.3		59	40-140	14	25
Dalapon [2C]	20.6		µg/kg wet	6.70	33.3		62	40-140	3	25
Dicamba	26.9		µg/kg wet	6.70	33.3		81	40-140	0.2	25
Dicamba [2C]	24.9		µg/kg wet	6.70	33.3		75	40-140	7	25
Dichlorprop	27.7		µg/kg wet	6.70	33.3		83	40-140	4	25
Dichlorprop [2C]	27.7		µg/kg wet	6.70	33.3		83	40-140	9	25
Dinoseb	27.7		µg/kg wet	6.70	33.3		83	40-140	0.2	25
Dinoseb [2C]	27.6		µg/kg wet	6.70	33.3		83	40-140	3	25
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*13.4*		µg/kg wet		*13.3*		*100*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [	*13.2*		µg/kg wet		*13.3*		*99*	*30-150*		
LCS Dup (9011138-BSD2)										
Prepared: 20-Jan-09 Analyzed: 21-Jan-09										
MCPA	11400		µg/kg wet	670	10000		114	40-140	2	25
MCPA [2C]	12600		µg/kg wet	670	10000		126	40-140	5	25
MCPB	11800		µg/kg wet	670	10000		118	40-140	3	25
MCPB [2C]	10700		µg/kg wet	670	10000		107	40-140	2	25
MCPP	10700		µg/kg wet	670	10000		107	40-140	3	25
MCPP [2C]	10200		µg/kg wet	670	10000		102	40-140	18	25
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*14.8*		µg/kg wet		*13.3*		*111*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [	*14.3*		µg/kg wet		*13.3*		*108*	*30-150*		
Duplicate (9011138-DUP1) **Source: SA89909-04**										
Prepared: 20-Jan-09 Analyzed: 21-Jan-09										
2,4,5-T	BRL		µg/kg dry	6.70		BRL				30
2,4,5-T [2C]	BRL		µg/kg dry	6.70		BRL				30
2,4,5-TP (Silvex)	BRL		µg/kg dry	6.70		BRL				30
2,4,5-TP (Silvex) [2C]	BRL		µg/kg dry	6.70		BRL				30
2,4-D	BRL		µg/kg dry	6.70		BRL				30
2,4-D [2C]	BRL		µg/kg dry	6.70		BRL				30
2,4-DB	BRL		µg/kg dry	6.70		BRL				30
2,4-DB [2C]	BRL		µg/kg dry	6.70		BRL				30
Dalapon	BRL		µg/kg dry	6.70		BRL				30
Dalapon [2C]	BRL		µg/kg dry	6.70		BRL				30
Dicamba	BRL		µg/kg dry	6.70		BRL				30
Dicamba [2C]	BRL		µg/kg dry	6.70		BRL				30

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9011138 - SW846 3550B										
Duplicate (9011138-DUP1) **Source: SA89909-04**										
Prepared: 20-Jan-09 Analyzed: 21-Jan-09										
Dichlorprop	BRL		µg/kg dry	6.70		BRL				30
Dichlorprop [2C]	BRL		µg/kg dry	6.70		BRL				30
Dinoseb	BRL		µg/kg dry	6.70		BRL				30
Dinoseb [2C]	BRL		µg/kg dry	6.70		BRL				30
MCPA	BRL		µg/kg dry	670		BRL				30
MCPA [2C]	BRL		µg/kg dry	670		BRL				30
MCPB	BRL		µg/kg dry	670		BRL				30
MCPB [2C]	BRL		µg/kg dry	670		BRL				30
MCPP	BRL		µg/kg dry	670		BRL				30
MCPP [2C]	BRL		µg/kg dry	670		BRL				30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*8.00*		µg/kg dry		*14.7*		*54*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [:	*7.56*		µg/kg dry		*14.7*		*51*	*30-150*		

Extractable Petroleum Hydrocarbons - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9011232 - SW846 3550B										
Blank (9011232-BLK1)										
Prepared: 21-Jan-09 Analyzed: 22-Jan-09										
Gasoline	BRL		mg/kg wet	13.3						
Fuel Oil #2	BRL		mg/kg wet	13.3						
Fuel Oil #4	BRL		mg/kg wet	13.3						
Fuel Oil #6	BRL		mg/kg wet	13.3						
Motor Oil	BRL		mg/kg wet	13.3						
Aviation Fuel	BRL		mg/kg wet	13.3						
Unidentified	BRL		mg/kg wet	13.3						
Other Oil	BRL		mg/kg wet	13.3						
Total Petroleum Hydrocarbons	BRL		mg/kg wet	13.3						
C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg wet	13.3						
Surrogate: 1-Chlorooctadecane	*3.10*		mg/kg wet		*3.33*		*93*	*50-150*		
LCS (9011232-BS1)										
Prepared: 21-Jan-09 Analyzed: 22-Jan-09										
C9-C36 Aliphatic Hydrocarbons	62.3		mg/kg wet	13.3	93.3		67	60-120		
Surrogate: 1-Chlorooctadecane	*2.54*		mg/kg wet		*3.33*		*76*	*50-150*		
Duplicate (9011232-DUP1) **Source: SA90057-01**										
Prepared: 21-Jan-09 Analyzed: 22-Jan-09										
Gasoline	BRL		mg/kg dry	28.1		BRL				50
Fuel Oil #2	BRL		mg/kg dry	28.1		BRL				50
Fuel Oil #4	BRL		mg/kg dry	28.1		BRL				50
Fuel Oil #6	BRL		mg/kg dry	28.1		BRL				50
Motor Oil	BRL		mg/kg dry	28.1		BRL				50
Aviation Fuel	BRL		mg/kg dry	28.1		BRL				50
Unidentified	BRL		mg/kg dry	28.1		BRL				50
Other Oil	BRL		mg/kg dry	28.1		BRL				50
Total Petroleum Hydrocarbons	BRL		mg/kg dry	28.1		BRL				50
C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	28.1		BRL				50
Surrogate: 1-Chlorooctadecane	*3.52*		mg/kg dry		*3.53*		*100*	*50-150*		
Matrix Spike (9011232-MS1) **Source: SA90057-01**										
Prepared: 21-Jan-09 Analyzed: 22-Jan-09										
C9-C36 Aliphatic Hydrocarbons	75.2		mg/kg dry	14.2	99.4	BRL	76	50-150		
Surrogate: 1-Chlorooctadecane	*2.96*		mg/kg dry		*3.55*		*83*	*50-150*		
Matrix Spike Dup (9011232-MSD1) **Source: SA90057-01**										
Prepared: 21-Jan-09 Analyzed: 22-Jan-09										
C9-C36 Aliphatic Hydrocarbons	69.2		mg/kg dry	14.3	100	BRL	69	50-150	9	30
Surrogate: 1-Chlorooctadecane	*2.82*		mg/kg dry		*3.58*		*79*	*50-150*		

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

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9011083 - SW846 3050B										
Blank (9011083-BLK1)										
Prepared: 19-Jan-09 Analyzed: 20-Jan-09										
Selenium	BRL		mg/kg wet	1.26						
Lead	BRL		mg/kg wet	1.26						
Chromium	BRL		mg/kg wet	0.840						
Arsenic	BRL		mg/kg wet	1.26						
Cadmium	BRL		mg/kg wet	0.420						
Silver	BRL		mg/kg wet	1.26						
Barium	BRL		mg/kg wet	0.840						
Duplicate (9011083-DUP1)	**Source: SA89947-02**									
Prepared: 19-Jan-09 Analyzed: 20-Jan-09										
Selenium	1.10	J	mg/kg dry	1.52		1.16			5	20
Lead	6.10		mg/kg dry	1.52		5.85			4	20
Arsenic	1.60		mg/kg dry	1.52		1.82			13	20
Chromium	12.7	QR8	mg/kg dry	1.01		9.14			33	20
Silver	BRL		mg/kg dry	1.52		BRL				20
Cadmium	0.303	J	mg/kg dry	0.506		0.292			4	20
Barium	22.8		mg/kg dry	1.01		22.1			3	20
Matrix Spike (9011083-MS1)	**Source: SA89947-02**									
Prepared: 19-Jan-09 Analyzed: 20-Jan-09										
Selenium	129		mg/kg dry	1.52	126	1.16	101	75-125		
Lead	130		mg/kg dry	1.52	126	5.85	98	75-125		
Cadmium	127		mg/kg dry	0.506	126	0.292	100	75-125		
Chromium	132		mg/kg dry	1.01	126	9.14	97	75-125		
Silver	124		mg/kg dry	1.52	126	BRL	98	75-125		
Arsenic	126		mg/kg dry	1.52	126	1.82	98	75-125		
Barium	150		mg/kg dry	1.01	126	22.1	101	75-125		
Matrix Spike Dup (9011083-MSD1)	**Source: SA89947-02**									
Prepared: 19-Jan-09 Analyzed: 20-Jan-09										
Selenium	120		mg/kg dry	1.42	119	1.16	100	75-125	7	20
Lead	120		mg/kg dry	1.42	119	5.85	96	75-125	8	20
Silver	116		mg/kg dry	1.42	119	BRL	97	75-125	7	20
Cadmium	118		mg/kg dry	0.475	119	0.292	99	75-125	8	20
Chromium	126		mg/kg dry	0.950	119	9.14	98	75-125	5	20
Arsenic	117		mg/kg dry	1.42	119	1.82	97	75-125	7	20
Barium	139		mg/kg dry	0.950	119	22.1	99	75-125	7	20
Post Spike (9011083-PS1)	**Source: SA89947-02**									
Prepared: 19-Jan-09 Analyzed: 20-Jan-09										
Selenium	134		mg/kg dry	1.59	132	1.16	100	80-120		
Lead	134		mg/kg dry	1.59	132	5.85	97	80-120		
Silver	131		mg/kg dry	1.59	132	BRL	99	80-120		
Chromium	136		mg/kg dry	1.06	132	9.14	96	80-120		
Cadmium	131		mg/kg dry	0.530	132	0.292	99	80-120		
Arsenic	132		mg/kg dry	1.59	132	1.82	98	80-120		
Barium	148		mg/kg dry	1.06	132	22.1	95	80-120		
Reference (9011083-SRM1)										
Prepared: 19-Jan-09 Analyzed: 20-Jan-09										
Selenium	146		mg/kg wet	1.50	148		99	76.6-123.1		
Lead	41.8		mg/kg wet	1.50	44.4		94	78.8-120.9		

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

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9011083 - SW846 3050B										
Reference (9011083-SRM1)										
Prepared: 19-Jan-09 Analyzed: 20-Jan-09										
Silver	15.0		mg/kg wet	1.50	15.5		96	66.4-133.6		
Chromium	116		mg/kg wet	1.00	122		95	79.7-120.3		
Arsenic	52.2		mg/kg wet	1.50	53.7		97	77.6-123.1		
Cadmium	29.9		mg/kg wet	0.500	31.3		95	80.9-119.3		
Barium	106		mg/kg wet	1.00	102		104	79.8-119.7		
Reference (9011083-SRM2)										
Prepared: 19-Jan-09 Analyzed: 20-Jan-09										
Lead	41.4		mg/kg wet	1.50	44.0		94	78.8-120.9		
Selenium	148		mg/kg wet	1.50	146		101	76.6-123.1		
Arsenic	52.4		mg/kg wet	1.50	53.2		99	77.6-123.1		
Chromium	117		mg/kg wet	1.00	121		97	79.7-120.3		
Silver	15.1		mg/kg wet	1.50	15.4		98	66.4-133.6		
Cadmium	29.9		mg/kg wet	0.500	31.0		96	80.9-119.3		
Barium	103		mg/kg wet	1.00	101		102	79.8-119.7		
Batch 9011084 - EPA200/SW7000 Series										
Blank (9011084-BLK1)										
Prepared: 19-Jan-09 Analyzed: 20-Jan-09										
Mercury	BRL		mg/kg wet	0.0286						
Duplicate (9011084-DUP1) **Source: SA89947-02**										
Prepared: 19-Jan-09 Analyzed: 20-Jan-09										
Mercury	0.0161	J,QR8	mg/kg dry	0.0288		0.0090			57	20
Matrix Spike (9011084-MS1) **Source: SA89947-02**										
Prepared: 19-Jan-09 Analyzed: 20-Jan-09										
Mercury	0.471		mg/kg dry	0.0291	0.404	0.0090	114	75-125		
Matrix Spike Dup (9011084-MSD1) **Source: SA89947-02**										
Prepared: 19-Jan-09 Analyzed: 20-Jan-09										
Mercury	0.467		mg/kg dry	0.0291	0.403	0.0090	114	75-125	0.7	20
Post Spike (9011084-PS1) **Source: SA89947-02**										
Prepared: 19-Jan-09 Analyzed: 20-Jan-09										
Mercury	0.470		mg/kg dry	0.0288	0.400	0.0090	115	80-120		
Reference (9011084-SRM1)										
Prepared: 19-Jan-09 Analyzed: 20-Jan-09										
Mercury	2.20		mg/kg wet	0.0300	2.17		101	71.7-128.8		

General Chemistry Parameters - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9011188 - General Preparation										
Duplicate (9011188-DUP1) **Source: SA89938-21**										
Prepared & Analyzed: 20-Jan-09										
% Solids	81.5		%			81.5			0.03	20

Notes and Definitions

E	The concentration indicated for this analyte is an estimated value. This value is considered an estimate (CLP E-flag).
QC1	Analyte out of acceptance range.
QC2	Analyte out of acceptance range in QC spike but no reportable concentration present in sample.
QM7	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QR2	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
QR5	RPD out of acceptance range.
QR6	The RPD exceeded the QC control limits; however precision is demonstrated with acceptable RPD values for MS/MSD.
QR8	Analyses are not controlled on RPD values from sample concentrations that are less than 5 times the reporting level. The batch is accepted based upon the difference between the sample and duplicate is less than or equal to the reporting limit.
BRL	Below Reporting Limit - Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference
J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).

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

Interpretation of Total Petroleum Hydrocarbon Report

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

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

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

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

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

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

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

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

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

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

Validated by:
Hanibal C. Tayeh, Ph.D.
Nicole Leja

SA 89957 UK

SPECTRUM ANALYTICAL, INC.
Executive
HANDBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

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

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

Project Mgr.: David Brassard

Invoice To: DAS X 44236

P.O. No.: _____ RQN: _____

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

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

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

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic		VOC 8260	SVOC 8270	CT ETPH	PCB 8080	Herbicides 8151	Total PCB Metals			QA Reporting Notes: (check if needed)
[illegible]	RSB-C24	1/15/09	1100	G	SO	7	3	2				X	X	X	X	X	X			
↓ 12	RSB-C25	"	930	G	SO	7	3	2				X	X	X	X	X	X			

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

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

* State specific reporting standards: CT

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

Condition upon receipt: [ ] Iced [ ] Ambient [ ] °C 5.6 C

Relinquished by:	Received by:	Date:	Time:
Patrick deFanda	[signature]	1/16/09	11:14 am
[signature]	[signature]	1/16/09	1520

ASFrith

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

Report Date:
20-Jan-09 13:45

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

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

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

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SA89735-01	RSB-C27	Soil	12-Jan-09 13:40	13-Jan-09 10:49
SA89735-02	RSB-C28	Soil	12-Jan-09 12:30	13-Jan-09 10:49
SA89735-03	RSB-C29	Soil	12-Jan-09 10:45	13-Jan-09 10:49

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

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

Authorized by:

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

Technical Reviewer's Initial:

Spectrum Analytical holds certification in the State of New York for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of New York does not offer certification for all analytes.
Please note that this report contains 42 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supercedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report is available upon request. This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

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

CASE NARRATIVE:

The samples were received 4.5 degrees Celsius, please refer to the Chain of Custody for details specific to temperature upon receipt. An infrared thermometer with a tolerance of +/- 2.0 degrees Celsius was used immediately upon receipt of the samples.

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

SW846 7471A

Duplicates:

9010707-DUP1 *Source: SA89735-01*

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

Mercury

SW846 8260B

Laboratory Control Samples:

9010793-BS1

Analyte out of acceptance range.

Chloromethane

9010793-BSD1

RPD out of acceptance range.

Chloromethane

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

1,4-Dioxane

SW846 8270C

Laboratory Control Samples:

9010768-BS1

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

Aniline

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C27 SA89735-01	127-17797-08011	Soil	12-Jan-09 13:40	13-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	13-Jan-09	13-Jan-09	9010735	
Volatile Organic Compounds						Initial weight: 5.22 g					
Prepared by method SW846 5035A Soil (low level)											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	7.3	1	SW846 8260B	15-Jan-09	15-Jan-09	9010886	X
67-64-1	Acetone	BRL		µg/kg dry	72.9	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	7.3	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	7.3	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	7.3	1	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	7.3	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	7.3	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	7.3	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	14.6	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	72.9	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	7.3	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	7.3	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	7.3	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	36.4	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	7.3	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	7.3	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	14.6	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	7.3	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	14.6	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	7.3	1	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	7.3	1	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	14.6	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	7.3	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	7.3	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	7.3	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	7.3	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	7.3	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	7.3	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	14.6	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	7.3	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	7.3	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	7.3	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	7.3	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	7.3	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	7.3	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	7.3	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	7.3	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	7.3	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	7.3	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	7.3	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	7.3	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	7.3	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	72.9	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	7.3	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	7.3	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	7.3	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	72.9	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	72.9	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	7.3	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C27 SA89735-01	127-17797-08011	Soil	12-Jan-09 13:40	13-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
Volatile Organic Compounds											
Prepared by method SW846 5035A Soil (low level)						Initial weight: 5.22 g					
103-65-1	n-Propylbenzene	BRL		µg/kg dry	7.3	1	SW846 8260B	15-Jan-09	15-Jan-09	9010886	X
100-42-5	Styrene	BRL		µg/kg dry	7.3	1	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	7.3	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	7.3	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	7.3	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	7.3	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	7.3	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	7.3	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	7.3	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	7.3	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	7.3	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	7.3	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	7.3	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	7.3	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	7.3	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	7.3	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	7.3	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	14.6	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	7.3	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	72.9	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	7.3	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	7.3	1	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	7.3	1	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	7.3	1	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	72.9	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	146	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	36.4	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	2920	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*84*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*90*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*111*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*101*		*70-130 %*			"	"	"	"	
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
83-32-9	Acenaphthene	BRL		µg/kg dry	410	1	SW846 8270C	14-Jan-09	17-Jan-09	9010768	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	410	1	"	"	"	"	X
62-53-3	Aniline	BRL		µg/kg dry	410	1	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	410	1	"	"	"	"	X
1912-24-9	Atrazine	BRL		µg/kg dry	410	1	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/kg dry	410	1	"	"	"	"	
92-87-5	Benzidine	BRL		µg/kg dry	410	1	"	"	"	"	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	410	1	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	410	1	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	410	1	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	410	1	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	410	1	"	"	"	"	X
65-85-0	Benzoic acid	BRL		µg/kg dry	410	1	"	"	"	"	X
100-51-6	Benzyl alcohol	BRL		µg/kg dry	410	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C27 SA89735-01	127-17797-08011	Soil	12-Jan-09 13:40	13-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
111-91-1	Bis(2-chloroethoxy)methane	BRL		µg/kg dry	410	1	SW846 8270C	14-Jan-09	17-Jan-09	9010768	X
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/kg dry	410	1	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	410	1	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	410	1	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/kg dry	410	1	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	BRL		µg/kg dry	410	1	"	"	"	"	X
86-74-8	Carbazole	BRL		µg/kg dry	410	1	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	BRL		µg/kg dry	410	1	"	"	"	"	X
106-47-8	4-Chloroaniline	BRL		µg/kg dry	410	1	"	"	"	"	X
91-58-7	2-Chloronaphthalene	BRL		µg/kg dry	410	1	"	"	"	"	X
95-57-8	2-Chlorophenol	BRL		µg/kg dry	410	1	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/kg dry	410	1	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	410	1	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	410	1	"	"	"	"	X
132-64-9	Dibenzofuran	BRL		µg/kg dry	410	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	410	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	410	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	410	1	"	"	"	"	X
91-94-1	3,3´-Dichlorobenzidine	BRL		µg/kg dry	410	1	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	BRL		µg/kg dry	410	1	"	"	"	"	X
84-66-2	Diethyl phthalate	BRL		µg/kg dry	410	1	"	"	"	"	X
131-11-3	Dimethyl phthalate	BRL		µg/kg dry	410	1	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	BRL		µg/kg dry	410	1	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	BRL		µg/kg dry	410	1	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	410	1	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	BRL		µg/kg dry	410	1	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	BRL		µg/kg dry	410	1	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	BRL		µg/kg dry	410	1	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	BRL		µg/kg dry	410	1	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	410	1	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	410	1	"	"	"	"	X
118-74-1	Hexachlorobenzene	BRL		µg/kg dry	410	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	410	1	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	BRL		µg/kg dry	410	1	"	"	"	"	X
67-72-1	Hexachloroethane	BRL		µg/kg dry	410	1	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	410	1	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	410	1	"	"	"	"	
78-59-1	Isophorone	BRL		µg/kg dry	410	1	"	"	"	"	X
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	410	1	"	"	"	"	X
95-48-7	2-Methylphenol	BRL		µg/kg dry	410	1	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	BRL		µg/kg dry	410	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	410	1	"	"	"	"	X
88-74-4	2-Nitroaniline	BRL		µg/kg dry	410	1	"	"	"	"	X
99-09-2	3-Nitroaniline	BRL		µg/kg dry	410	1	"	"	"	"	X
100-01-6	4-Nitroaniline	BRL		µg/kg dry	1640	1	"	"	"	"	X
98-95-3	Nitrobenzene	BRL		µg/kg dry	410	1	"	"	"	"	X
88-75-5	2-Nitrophenol	BRL		µg/kg dry	410	1	"	"	"	"	X
100-02-7	4-Nitrophenol	BRL		µg/kg dry	1640	1	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	BRL		µg/kg dry	410	1	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/kg dry	410	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C27 SA89735-01	127-17797-08011	Soil	12-Jan-09 13:40	13-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
86-30-6	N-Nitrosodiphenylamine	BRL		µg/kg dry	410	1	SW846 8270C	14-Jan-09	17-Jan-09	9010768	X
87-86-5	Pentachlorophenol	BRL		µg/kg dry	410	1	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	410	1	"	"	"	"	X
108-95-2	Phenol	BRL		µg/kg dry	410	1	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	410	1	"	"	"	"	X
110-86-1	Pyridine	BRL		µg/kg dry	410	1	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	410	1	"	"	"	"	X
95-95-4	2,4,5-Trichlorophenol	BRL		µg/kg dry	410	1	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	BRL		µg/kg dry	410	1	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	BRL		µg/kg dry	410	1	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	410	1	"	"	"	"	X
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*78*		*30-130 %*			"	"	"	"	
367-12-4	*2-Fluorophenol*	*78*		*15-110 %*			"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*77*		*30-130 %*			"	"	"	"	
4165-62-2	*Phenol-d5*	*76*		*15-110 %*			"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*74*		*30-130 %*			"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*82*		*15-110 %*			"	"	"	"	
Semivolatile Organic Compounds by GC											
Polychlorinated Biphenyls by SW846 8082											
Prepared by method SW846 3550B											
12674-11-2	PCB 1016	BRL		µg/kg dry	24.7	1	SW846 8082	14-Jan-09	16-Jan-09	9010831	X
11104-28-2	PCB 1221	BRL		µg/kg dry	24.7	1	"	"	"	"	X
11141-16-5	PCB 1232	BRL		µg/kg dry	24.7	1	"	"	"	"	X
53469-21-9	PCB 1242	BRL		µg/kg dry	24.7	1	"	"	"	"	X
12672-29-6	PCB 1248	BRL		µg/kg dry	24.7	1	"	"	"	"	X
11097-69-1	PCB 1254	BRL		µg/kg dry	24.7	1	"	"	"	"	X
11096-82-5	PCB 1260	BRL		µg/kg dry	24.7	1	"	"	"	"	X
37324-23-5	PCB 1262	BRL		µg/kg dry	24.7	1	"	"	"	"	X
11100-14-4	PCB 1268	BRL		µg/kg dry	24.7	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*101*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*97*		*30-150 %*			"	"	"	"	
Chlorinated Herbicides by SW846 8151A											
Prepared by method SW846 3550B											
93-76-5	2,4,5-T	BRL		µg/kg dry	6.70	1	SW846 8151A	15-Jan-09	17-Jan-09	9010861	X
93-72-1	2,4,5-TP (Silvex)	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-75-7	2,4-D	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-82-6	2,4-DB	BRL		µg/kg dry	6.70	1	"	"	"	"	X
75-99-0	Dalapon	BRL		µg/kg dry	6.70	1	"	"	"	"	X
1918-00-9	Dicamba	BRL		µg/kg dry	6.70	1	"	"	"	"	X
120-36-5	Dichlorprop	BRL		µg/kg dry	6.70	1	"	"	"	"	X
88-85-7	Dinoseb	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-74-6	MCPA	BRL		µg/kg dry	670	1	"	"	"	"	X
94-81-5	MCPB	BRL		µg/kg dry	670	1	"	"	"	"	
93-65-2	MCPP	BRL		µg/kg dry	670	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*91*		*30-150 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C27 SA89735-01	127-17797-08011	Soil	12-Jan-09 13:40	13-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3550B											
8006-61-9	Gasoline	BRL		mg/kg dry	16.5	1	+CT ETPH	14-Jan-09	15-Jan-09	9010767	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	16.5	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	16.5	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	16.5	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	16.5	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	16.5	1	"	"	"	"	
	Unidentified	BRL		mg/kg dry	16.5	1	"	"	"	"	
	Other Oil	BRL		mg/kg dry	16.5	1	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL		mg/kg dry	16.5	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	16.5	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*95*		*50-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	BRL		mg/kg dry	1.83	1	SW846 6010B	16-Jan-09	19-Jan-09	9010706	X
7440-38-2	Arsenic	BRL		mg/kg dry	1.83	1	"	"	"	"	X
7440-39-3	Barium	40.6		mg/kg dry	1.22	1	"	"	"	"	X
7440-43-9	Cadmium	BRL		mg/kg dry	0.612	1	"	"	"	"	X
7440-47-3	Chromium	14.6		mg/kg dry	1.22	1	"	"	"	"	X
7439-97-6	Mercury	BRL		mg/kg dry	0.0331	1	SW846 7471A	"	19-Jan-09	9010707	X
7439-92-1	Lead	6.71		mg/kg dry	1.83	1	SW846 6010B	"	19-Jan-09	9010706	X
7782-49-2	Selenium	BRL		mg/kg dry	1.83	1	"	"	"	"	X
General Chemistry Parameters											
	% Solids	79.7		%		1	SM2540 G Mod.	15-Jan-09	15-Jan-09	9010935	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C28 SA89735-02	127-17797-08011	Soil	12-Jan-09 12:30	13-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	13-Jan-09	13-Jan-09	9010735	
Volatile Organic Compounds											
Prepared by method SW846 5035A Soil (low level)						Initial weight: 5.52 g					
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	6.9	1	SW846 8260B	14-Jan-09	14-Jan-09	9010793	X
67-64-1	Acetone	BRL		µg/kg dry	69.0	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	6.9	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	6.9	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	6.9	1	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	6.9	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	6.9	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	6.9	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	13.8	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	69.0	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	6.9	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	6.9	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	6.9	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	34.5	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	6.9	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	6.9	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	13.8	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	6.9	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	13.8	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	6.9	1	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	6.9	1	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	13.8	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	6.9	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	6.9	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	6.9	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	6.9	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	6.9	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	6.9	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	13.8	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	6.9	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	6.9	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	6.9	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	6.9	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	6.9	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	6.9	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	6.9	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	6.9	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	6.9	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	6.9	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	6.9	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	6.9	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	6.9	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	69.0	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	6.9	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	6.9	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	6.9	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	69.0	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	69.0	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	6.9	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C28 SA89735-02	127-17797-08011	Soil	12-Jan-09 12:30	13-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
Volatile Organic Compounds											
Prepared by method SW846 5035A Soil (low level)					Initial weight: 5.52 g						
103-65-1	n-Propylbenzene	BRL		µg/kg dry	6.9	1	SW846 8260B	14-Jan-09	14-Jan-09	9010793	X
100-42-5	Styrene	BRL		µg/kg dry	6.9	1	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	6.9	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	6.9	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	6.9	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	6.9	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	6.9	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	6.9	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	6.9	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	6.9	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	6.9	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	6.9	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	6.9	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	6.9	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	6.9	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	6.9	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	6.9	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	13.8	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	6.9	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	69.0	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	6.9	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	6.9	1	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	6.9	1	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	6.9	1	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	69.0	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	138	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	34.5	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	2760	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*83*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*91*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*117*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*104*		*70-130 %*			"	"	"	"	
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
83-32-9	Acenaphthene	BRL		µg/kg dry	407	1	SW846 8270C	14-Jan-09	17-Jan-09	9010768	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	407	1	"	"	"	"	X
62-53-3	Aniline	BRL		µg/kg dry	407	1	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	407	1	"	"	"	"	X
1912-24-9	Atrazine	BRL		µg/kg dry	407	1	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/kg dry	407	1	"	"	"	"	
92-87-5	Benzidine	BRL		µg/kg dry	407	1	"	"	"	"	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	407	1	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	407	1	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	407	1	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	407	1	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	407	1	"	"	"	"	X
65-85-0	Benzoic acid	BRL		µg/kg dry	407	1	"	"	"	"	X
100-51-6	Benzyl alcohol	BRL		µg/kg dry	407	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C28	127-17797-08011	Soil	12-Jan-09 12:30	13-Jan-09
SA89735-02				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
111-91-1	Bis(2-chloroethoxy)methane	BRL		µg/kg dry	407	1	SW846 8270C	14-Jan-09	17-Jan-09	9010768	X
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/kg dry	407	1	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	407	1	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	407	1	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/kg dry	407	1	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	BRL		µg/kg dry	407	1	"	"	"	"	X
86-74-8	Carbazole	BRL		µg/kg dry	407	1	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	BRL		µg/kg dry	407	1	"	"	"	"	X
106-47-8	4-Chloroaniline	BRL		µg/kg dry	407	1	"	"	"	"	X
91-58-7	2-Chloronaphthalene	BRL		µg/kg dry	407	1	"	"	"	"	X
95-57-8	2-Chlorophenol	BRL		µg/kg dry	407	1	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/kg dry	407	1	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	407	1	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	407	1	"	"	"	"	X
132-64-9	Dibenzofuran	BRL		µg/kg dry	407	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	407	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	407	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	407	1	"	"	"	"	X
91-94-1	3,3'-Dichlorobenzidine	BRL		µg/kg dry	407	1	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	BRL		µg/kg dry	407	1	"	"	"	"	X
84-66-2	Diethyl phthalate	BRL		µg/kg dry	407	1	"	"	"	"	X
131-11-3	Dimethyl phthalate	BRL		µg/kg dry	407	1	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	BRL		µg/kg dry	407	1	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	BRL		µg/kg dry	407	1	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	407	1	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	BRL		µg/kg dry	407	1	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	BRL		µg/kg dry	407	1	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	BRL		µg/kg dry	407	1	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	BRL		µg/kg dry	407	1	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	407	1	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	407	1	"	"	"	"	X
118-74-1	Hexachlorobenzene	BRL		µg/kg dry	407	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	407	1	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	BRL		µg/kg dry	407	1	"	"	"	"	X
67-72-1	Hexachloroethane	BRL		µg/kg dry	407	1	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	407	1	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	407	1	"	"	"	"	
78-59-1	Isophorone	BRL		µg/kg dry	407	1	"	"	"	"	X
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	407	1	"	"	"	"	X
95-48-7	2-Methylphenol	BRL		µg/kg dry	407	1	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	BRL		µg/kg dry	407	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	407	1	"	"	"	"	X
88-74-4	2-Nitroaniline	BRL		µg/kg dry	407	1	"	"	"	"	X
99-09-2	3-Nitroaniline	BRL		µg/kg dry	407	1	"	"	"	"	X
100-01-6	4-Nitroaniline	BRL		µg/kg dry	1630	1	"	"	"	"	X
98-95-3	Nitrobenzene	BRL		µg/kg dry	407	1	"	"	"	"	X
88-75-5	2-Nitrophenol	BRL		µg/kg dry	407	1	"	"	"	"	X
100-02-7	4-Nitrophenol	BRL		µg/kg dry	1630	1	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	BRL		µg/kg dry	407	1	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/kg dry	407	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C28 SA89735-02	127-17797-08011	Soil	12-Jan-09 12:30	13-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
86-30-6	N-Nitrosodiphenylamine	BRL		µg/kg dry	407	1	SW846 8270C	14-Jan-09	17-Jan-09	9010768	X
87-86-5	Pentachlorophenol	BRL		µg/kg dry	407	1	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	407	1	"	"	"	"	X
108-95-2	Phenol	BRL		µg/kg dry	407	1	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	407	1	"	"	"	"	X
110-86-1	Pyridine	BRL		µg/kg dry	407	1	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	407	1	"	"	"	"	X
95-95-4	2,4,5-Trichlorophenol	BRL		µg/kg dry	407	1	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	BRL		µg/kg dry	407	1	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	BRL		µg/kg dry	407	1	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	407	1	"	"	"	"	X
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*73*		*30-130 %*			"	"	"	"	
367-12-4	*2-Fluorophenol*	*72*		*15-110 %*			"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*72*		*30-130 %*			"	"	"	"	
4165-62-2	*Phenol-d5*	*70*		*15-110 %*			"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*69*		*30-130 %*			"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*76*		*15-110 %*			"	"	"	"	
Semivolatile Organic Compounds by GC											
Polychlorinated Biphenyls by SW846 8082											
Prepared by method SW846 3550B											
12674-11-2	PCB 1016	BRL		µg/kg dry	24.2	1	SW846 8082	14-Jan-09	16-Jan-09	9010831	X
11104-28-2	PCB 1221	BRL		µg/kg dry	24.2	1	"	"	"	"	X
11141-16-5	PCB 1232	BRL		µg/kg dry	24.2	1	"	"	"	"	X
53469-21-9	PCB 1242	BRL		µg/kg dry	24.2	1	"	"	"	"	X
12672-29-6	PCB 1248	BRL		µg/kg dry	24.2	1	"	"	"	"	X
11097-69-1	PCB 1254	BRL		µg/kg dry	24.2	1	"	"	"	"	X
11096-82-5	PCB 1260	BRL		µg/kg dry	24.2	1	"	"	"	"	X
37324-23-5	PCB 1262	BRL		µg/kg dry	24.2	1	"	"	"	"	X
11100-14-4	PCB 1268	BRL		µg/kg dry	24.2	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*99*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*100*		*30-150 %*			"	"	"	"	
Chlorinated Herbicides by SW846 8151A											
Prepared by method SW846 3550B											
93-76-5	2,4,5-T	BRL		µg/kg dry	6.70	1	SW846 8151A	15-Jan-09	17-Jan-09	9010861	X
93-72-1	2,4,5-TP (Silvex)	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-75-7	2,4-D	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-82-6	2,4-DB	BRL		µg/kg dry	6.70	1	"	"	"	"	X
75-99-0	Dalapon	BRL		µg/kg dry	6.70	1	"	"	"	"	X
1918-00-9	Dicamba	BRL		µg/kg dry	6.70	1	"	"	"	"	X
120-36-5	Dichlorprop	BRL		µg/kg dry	6.70	1	"	"	"	"	X
88-85-7	Dinoseb	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-74-6	MCPA	BRL		µg/kg dry	670	1	"	"	"	"	X
94-81-5	MCPB	BRL		µg/kg dry	670	1	"	"	"	"	
93-65-2	MCPP	BRL		µg/kg dry	670	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*100*		*30-150 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C28 SA89735-02	127-17797-08011	Soil	12-Jan-09 12:30	13-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3550B											
8006-61-9	Gasoline	BRL		mg/kg dry	16.4	1	+CT ETPH	14-Jan-09	15-Jan-09	9010767	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	16.4	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	16.4	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	16.4	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	16.4	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	16.4	1	"	"	"	"	
	Unidentified	BRL		mg/kg dry	16.4	1	"	"	"	"	
	Other Oil	BRL		mg/kg dry	16.4	1	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL		mg/kg dry	16.4	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	16.4	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*96*		*50-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	BRL		mg/kg dry	1.82	1	SW846 6010B	16-Jan-09	19-Jan-09	9010706	X
7440-38-2	Arsenic	2.38		mg/kg dry	1.82	1	"	"	"	"	X
7440-39-3	Barium	61.9		mg/kg dry	1.21	1	"	"	"	"	X
7440-43-9	Cadmium	BRL		mg/kg dry	0.607	1	"	"	"	"	X
7440-47-3	Chromium	18.1		mg/kg dry	1.21	1	"	"	"	"	X
7439-97-6	Mercury	0.0559		mg/kg dry	0.0372	1	SW846 7471A	"	19-Jan-09	9010707	X
7439-92-1	Lead	29.6		mg/kg dry	1.82	1	SW846 6010B	"	19-Jan-09	9010706	X
7782-49-2	Selenium	BRL		mg/kg dry	1.82	1	"	"	"	"	X
General Chemistry Parameters											
	% Solids	80.1		%		1	SM2540 G Mod.	15-Jan-09	15-Jan-09	9010935	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C29 SA89735-03	127-17797-08011	Soil	12-Jan-09 10:45	13-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	13-Jan-09	13-Jan-09	9010735	
Volatile Organic Compounds						Initial weight: 6.07 g					
Prepared by method SW846 5035A Soil (low level)											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	6.3	1	SW846 8260B	14-Jan-09	14-Jan-09	9010793	X
67-64-1	Acetone	BRL		µg/kg dry	63.4	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	6.3	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	6.3	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	6.3	1	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	6.3	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	6.3	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	6.3	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	12.7	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	63.4	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	6.3	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	6.3	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	6.3	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	31.7	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	6.3	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	6.3	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	12.7	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	6.3	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	12.7	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	6.3	1	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	6.3	1	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	12.7	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	6.3	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	6.3	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	6.3	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	6.3	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	6.3	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	6.3	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	12.7	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	6.3	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	6.3	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	6.3	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	6.3	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	6.3	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	6.3	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	6.3	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	6.3	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	6.3	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	6.3	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	6.3	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	6.3	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	6.3	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	63.4	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	6.3	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	6.3	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	6.3	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	63.4	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	63.4	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	6.3	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C29	127-17797-08011	Soil	12-Jan-09 10:45	13-Jan-09
SA89735-03				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
Volatile Organic Compounds											
Prepared by method SW846 5035A Soil (low level)						Initial weight: 6.07 g					
103-65-1	n-Propylbenzene	BRL		µg/kg dry	6.3	1	SW846 8260B	14-Jan-09	14-Jan-09	9010793	X
100-42-5	Styrene	BRL		µg/kg dry	6.3	1	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	6.3	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	6.3	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	6.3	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	6.3	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	6.3	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	6.3	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	6.3	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	6.3	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	6.3	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	6.3	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	6.3	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	6.3	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	6.3	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	6.3	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	6.3	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	12.7	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	6.3	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	63.4	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	6.3	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	6.3	1	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	6.3	1	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	6.3	1	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	63.4	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	127	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	31.7	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	2540	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*85*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*91*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*114*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*104*		*70-130 %*			"	"	"	"	
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
83-32-9	Acenaphthene	BRL		µg/kg dry	404	1	SW846 8270C	14-Jan-09	17-Jan-09	9010768	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	404	1	"	"	"	"	X
62-53-3	Aniline	BRL		µg/kg dry	404	1	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	404	1	"	"	"	"	X
1912-24-9	Atrazine	BRL		µg/kg dry	404	1	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/kg dry	404	1	"	"	"	"	
92-87-5	Benzidine	BRL		µg/kg dry	404	1	"	"	"	"	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	404	1	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	404	1	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	404	1	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	404	1	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	404	1	"	"	"	"	X
65-85-0	Benzoic acid	BRL		µg/kg dry	404	1	"	"	"	"	X
100-51-6	Benzyl alcohol	BRL		µg/kg dry	404	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C29 SA89735-03	127-17797-08011	Soil	12-Jan-09 10:45	13-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
111-91-1	Bis(2-chloroethoxy)methane	BRL		µg/kg dry	404	1	SW846 8270C	14-Jan-09	17-Jan-09	9010768	X
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/kg dry	404	1	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	404	1	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	404	1	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/kg dry	404	1	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	BRL		µg/kg dry	404	1	"	"	"	"	X
86-74-8	Carbazole	BRL		µg/kg dry	404	1	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	BRL		µg/kg dry	404	1	"	"	"	"	X
106-47-8	4-Chloroaniline	BRL		µg/kg dry	404	1	"	"	"	"	X
91-58-7	2-Chloronaphthalene	BRL		µg/kg dry	404	1	"	"	"	"	X
95-57-8	2-Chlorophenol	BRL		µg/kg dry	404	1	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/kg dry	404	1	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	404	1	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	404	1	"	"	"	"	X
132-64-9	Dibenzofuran	BRL		µg/kg dry	404	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	404	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	404	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	404	1	"	"	"	"	X
91-94-1	3,3'-Dichlorobenzidine	BRL		µg/kg dry	404	1	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	BRL		µg/kg dry	404	1	"	"	"	"	X
84-66-2	Diethyl phthalate	BRL		µg/kg dry	404	1	"	"	"	"	X
131-11-3	Dimethyl phthalate	BRL		µg/kg dry	404	1	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	BRL		µg/kg dry	404	1	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	BRL		µg/kg dry	404	1	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	404	1	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	BRL		µg/kg dry	404	1	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	BRL		µg/kg dry	404	1	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	BRL		µg/kg dry	404	1	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	BRL		µg/kg dry	404	1	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	404	1	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	404	1	"	"	"	"	X
118-74-1	Hexachlorobenzene	BRL		µg/kg dry	404	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	404	1	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	BRL		µg/kg dry	404	1	"	"	"	"	X
67-72-1	Hexachloroethane	BRL		µg/kg dry	404	1	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	404	1	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	404	1	"	"	"	"	
78-59-1	Isophorone	BRL		µg/kg dry	404	1	"	"	"	"	X
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	404	1	"	"	"	"	X
95-48-7	2-Methylphenol	BRL		µg/kg dry	404	1	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	BRL		µg/kg dry	404	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	404	1	"	"	"	"	X
88-74-4	2-Nitroaniline	BRL		µg/kg dry	404	1	"	"	"	"	X
99-09-2	3-Nitroaniline	BRL		µg/kg dry	404	1	"	"	"	"	X
100-01-6	4-Nitroaniline	BRL		µg/kg dry	1620	1	"	"	"	"	X
98-95-3	Nitrobenzene	BRL		µg/kg dry	404	1	"	"	"	"	X
88-75-5	2-Nitrophenol	BRL		µg/kg dry	404	1	"	"	"	"	X
100-02-7	4-Nitrophenol	BRL		µg/kg dry	1620	1	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	BRL		µg/kg dry	404	1	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/kg dry	404	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C29	127-17797-08011	Soil	12-Jan-09 10:45	13-Jan-09
SA89735-03				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
86-30-6	N-Nitrosodiphenylamine	BRL		µg/kg dry	404	1	SW846 8270C	14-Jan-09	17-Jan-09	9010768	X
87-86-5	Pentachlorophenol	BRL		µg/kg dry	404	1	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	404	1	"	"	"	"	X
108-95-2	Phenol	BRL		µg/kg dry	404	1	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	404	1	"	"	"	"	X
110-86-1	Pyridine	BRL		µg/kg dry	404	1	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	404	1	"	"	"	"	X
95-95-4	2,4,5-Trichlorophenol	BRL		µg/kg dry	404	1	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	BRL		µg/kg dry	404	1	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	BRL		µg/kg dry	404	1	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	404	1	"	"	"	"	X
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*73*		*30-130 %*			"	"	"	"	
367-12-4	*2-Fluorophenol*	*74*		*15-110 %*			"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*74*		*30-130 %*			"	"	"	"	
4165-62-2	*Phenol-d5*	*72*		*15-110 %*			"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*67*		*30-130 %*			"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*75*		*15-110 %*			"	"	"	"	
Semivolatile Organic Compounds by GC											
Polychlorinated Biphenyls by SW846 8082											
Prepared by method SW846 3550B											
12674-11-2	PCB 1016	BRL		µg/kg dry	24.5	1	SW846 8082	14-Jan-09	16-Jan-09	9010831	X
11104-28-2	PCB 1221	BRL		µg/kg dry	24.5	1	"	"	"	"	X
11141-16-5	PCB 1232	BRL		µg/kg dry	24.5	1	"	"	"	"	X
53469-21-9	PCB 1242	BRL		µg/kg dry	24.5	1	"	"	"	"	X
12672-29-6	PCB 1248	BRL		µg/kg dry	24.5	1	"	"	"	"	X
11097-69-1	PCB 1254	BRL		µg/kg dry	24.5	1	"	"	"	"	X
11096-82-5	PCB 1260	BRL		µg/kg dry	24.5	1	"	"	"	"	X
37324-23-5	PCB 1262	BRL		µg/kg dry	24.5	1	"	"	"	"	X
11100-14-4	PCB 1268	BRL		µg/kg dry	24.5	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*118*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*108*		*30-150 %*			"	"	"	"	
Chlorinated Herbicides by SW846 8151A											
Prepared by method SW846 3550B											
93-76-5	2,4,5-T	BRL		µg/kg dry	6.70	1	SW846 8151A	15-Jan-09	17-Jan-09	9010861	X
93-72-1	2,4,5-TP (Silvex)	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-75-7	2,4-D	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-82-6	2,4-DB	BRL		µg/kg dry	6.70	1	"	"	"	"	X
75-99-0	Dalapon	BRL		µg/kg dry	6.70	1	"	"	"	"	X
1918-00-9	Dicamba	BRL		µg/kg dry	6.70	1	"	"	"	"	X
120-36-5	Dichlorprop	BRL		µg/kg dry	6.70	1	"	"	"	"	X
88-85-7	Dinoseb	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-74-6	MCPA	BRL		µg/kg dry	670	1	"	"	"	"	X
94-81-5	MCPB	BRL		µg/kg dry	670	1	"	"	"	"	
93-65-2	MCPP	BRL		µg/kg dry	670	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*98*		*30-150 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C29 SA89735-03	127-17797-08011	Soil	12-Jan-09 10:45	13-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3550B											
8006-61-9	Gasoline	BRL		mg/kg dry	16.3	1	+CT ETPH	14-Jan-09	15-Jan-09	9010767	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	16.3	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	16.3	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	16.3	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	16.3	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	16.3	1	"	"	"	"	
	Unidentified	BRL		mg/kg dry	16.3	1	"	"	"	"	
	Other Oil	BRL		mg/kg dry	16.3	1	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL		mg/kg dry	16.3	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	16.3	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*100*		*50-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	BRL		mg/kg dry	1.77	1	SW846 6010B	16-Jan-09	19-Jan-09	9010706	X
7440-38-2	Arsenic	4.80		mg/kg dry	1.77	1	"	"	"	"	X
7440-39-3	Barium	142		mg/kg dry	1.18	1	"	"	"	"	X
7440-43-9	Cadmium	1.11		mg/kg dry	0.591	1	"	"	"	"	X
7440-47-3	Chromium	21.7		mg/kg dry	1.18	1	"	"	"	"	X
7439-97-6	Mercury	1.86		mg/kg dry	0.0331	1	SW846 7471A	"	19-Jan-09	9010707	X
7439-92-1	Lead	49.6		mg/kg dry	1.77	1	SW846 6010B	"	19-Jan-09	9010706	X
7782-49-2	Selenium	BRL		mg/kg dry	1.77	1	"	"	"	"	X
General Chemistry Parameters											
	% Solids	80.4		%		1	SM2540 G Mod.	15-Jan-09	15-Jan-09	9010935	

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010793 - SW846 5035A Soil (low level)										
Blank (9010793-BLK1)										
Prepared & Analyzed: 14-Jan-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg wet	5.0						
Acetone	BRL		µg/kg wet	50.0						
Acrylonitrile	BRL		µg/kg wet	5.0						
Benzene	BRL		µg/kg wet	5.0						
Bromobenzene	BRL		µg/kg wet	5.0						
Bromochloromethane	BRL		µg/kg wet	5.0						
Bromodichloromethane	BRL		µg/kg wet	5.0						
Bromoform	BRL		µg/kg wet	5.0						
Bromomethane	BRL		µg/kg wet	10.0						
2-Butanone (MEK)	BRL		µg/kg wet	50.0						
n-Butylbenzene	BRL		µg/kg wet	5.0						
sec-Butylbenzene	BRL		µg/kg wet	5.0						
tert-Butylbenzene	BRL		µg/kg wet	5.0						
Carbon disulfide	BRL		µg/kg wet	25.0						
Carbon tetrachloride	BRL		µg/kg wet	5.0						
Chlorobenzene	BRL		µg/kg wet	5.0						
Chloroethane	BRL		µg/kg wet	10.0						
Chloroform	BRL		µg/kg wet	5.0						
Chloromethane	BRL		µg/kg wet	10.0						
2-Chlorotoluene	BRL		µg/kg wet	5.0						
4-Chlorotoluene	BRL		µg/kg wet	5.0						
1,2-Dibromo-3-chloropropane	BRL		µg/kg wet	10.0						
Dibromochloromethane	BRL		µg/kg wet	5.0						
1,2-Dibromoethane (EDB)	BRL		µg/kg wet	5.0						
Dibromomethane	BRL		µg/kg wet	5.0						
1,2-Dichlorobenzene	BRL		µg/kg wet	5.0						
1,3-Dichlorobenzene	BRL		µg/kg wet	5.0						
1,4-Dichlorobenzene	BRL		µg/kg wet	5.0						
Dichlorodifluoromethane (Freon12)	BRL		µg/kg wet	10.0						
1,1-Dichloroethane	BRL		µg/kg wet	5.0						
1,2-Dichloroethane	BRL		µg/kg wet	5.0						
1,1-Dichloroethene	BRL		µg/kg wet	5.0						
cis-1,2-Dichloroethene	BRL		µg/kg wet	5.0						
trans-1,2-Dichloroethene	BRL		µg/kg wet	5.0						
1,2-Dichloropropane	BRL		µg/kg wet	5.0						
1,3-Dichloropropane	BRL		µg/kg wet	5.0						
2,2-Dichloropropane	BRL		µg/kg wet	5.0						
1,1-Dichloropropene	BRL		µg/kg wet	5.0						
cis-1,3-Dichloropropene	BRL		µg/kg wet	5.0						
trans-1,3-Dichloropropene	BRL		µg/kg wet	5.0						
Ethylbenzene	BRL		µg/kg wet	5.0						
Hexachlorobutadiene	BRL		µg/kg wet	5.0						
2-Hexanone (MBK)	BRL		µg/kg wet	50.0						
Isopropylbenzene	BRL		µg/kg wet	5.0						
4-Isopropyltoluene	BRL		µg/kg wet	5.0						
Methyl tert-butyl ether	BRL		µg/kg wet	5.0						
4-Methyl-2-pentanone (MIBK)	BRL		µg/kg wet	50.0						
Methylene chloride	BRL		µg/kg wet	50.0						
Naphthalene	BRL		µg/kg wet	5.0						

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010793 - SW846 5035A Soil (low level)										
Blank (9010793-BLK1)										
Prepared & Analyzed: 14-Jan-09										
n-Propylbenzene	BRL		µg/kg wet	5.0						
Styrene	BRL		µg/kg wet	5.0						
1,1,1,2-Tetrachloroethane	BRL		µg/kg wet	5.0						
1,1,2,2-Tetrachloroethane	BRL		µg/kg wet	5.0						
Tetrachloroethene	BRL		µg/kg wet	5.0						
Toluene	BRL		µg/kg wet	5.0						
1,2,3-Trichlorobenzene	BRL		µg/kg wet	5.0						
1,2,4-Trichlorobenzene	BRL		µg/kg wet	5.0						
1,3,5-Trichlorobenzene	BRL		µg/kg wet	5.0						
1,1,1-Trichloroethane	BRL		µg/kg wet	5.0						
1,1,2-Trichloroethane	BRL		µg/kg wet	5.0						
Trichloroethene	BRL		µg/kg wet	5.0						
Trichlorofluoromethane (Freon 11)	BRL		µg/kg wet	5.0						
1,2,3-Trichloropropane	BRL		µg/kg wet	5.0						
1,2,4-Trimethylbenzene	BRL		µg/kg wet	5.0						
1,3,5-Trimethylbenzene	BRL		µg/kg wet	5.0						
Vinyl chloride	BRL		µg/kg wet	5.0						
m,p-Xylene	BRL		µg/kg wet	10.0						
o-Xylene	BRL		µg/kg wet	5.0						
Tetrahydrofuran	BRL		µg/kg wet	50.0						
Ethyl ether	BRL		µg/kg wet	5.0						
Tert-amyl methyl ether	BRL		µg/kg wet	5.0						
Ethyl tert-butyl ether	BRL		µg/kg wet	5.0						
Di-isopropyl ether	BRL		µg/kg wet	5.0						
Tert-Butanol / butyl alcohol	BRL		µg/kg wet	50.0						
1,4-Dioxane	BRL		µg/kg wet	100						
trans-1,4-Dichloro-2-butene	BRL		µg/kg wet	25.0						
Ethanol	BRL		µg/kg wet	2000						
Surrogate: 4-Bromofluorobenzene	*43.2*		µg/kg wet		*50.0*		*86*	*70-130*		
Surrogate: Toluene-d8	*45.4*		µg/kg wet		*50.0*		*91*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*56.4*		µg/kg wet		*50.0*		*113*	*70-130*		
Surrogate: Dibromofluoromethane	*49.9*		µg/kg wet		*50.0*		*100*	*70-130*		
LCS (9010793-BS1)										
Prepared & Analyzed: 14-Jan-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	20.4		µg/kg wet		20.0		102	70-130		
Acetone	13.5		µg/kg wet		20.0		68	7.9-168		
Acrylonitrile	18.2		µg/kg wet		20.0		91	70-130		
Benzene	19.9		µg/kg wet		20.0		100	70-130		
Bromobenzene	17.5		µg/kg wet		20.0		88	70-130		
Bromochloromethane	15.7		µg/kg wet		20.0		78	70-130		
Bromodichloromethane	20.4		µg/kg wet		20.0		102	70-130		
Bromoform	19.6		µg/kg wet		20.0		98	70-130		
Bromomethane	13.5		µg/kg wet		20.0		67	50-134		
2-Butanone (MEK)	14.8		µg/kg wet		20.0		74	44.6-130		
n-Butylbenzene	20.3		µg/kg wet		20.0		102	70-130		
sec-Butylbenzene	17.3		µg/kg wet		20.0		87	70-130		
tert-Butylbenzene	17.0		µg/kg wet		20.0		85	70-130		
Carbon disulfide	20.0		µg/kg wet		20.0		100	70-130		
Carbon tetrachloride	20.5		µg/kg wet		20.0		103	70-130		
Chlorobenzene	19.3		µg/kg wet		20.0		96	70-130		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010793 - SW846 5035A Soil (low level)										
LCS (9010793-BS1)										
Prepared & Analyzed: 14-Jan-09										
Chloroethane	14.6		µg/kg wet		20.0		73	59.2-130		
Chloroform	18.2		µg/kg wet		20.0		91	70-130		
Chloromethane	12.9	QC1	µg/kg wet		20.0		64	70-130		
2-Chlorotoluene	18.5		µg/kg wet		20.0		93	70-130		
4-Chlorotoluene	17.9		µg/kg wet		20.0		89	70-130		
1,2-Dibromo-3-chloropropane	21.1		µg/kg wet		20.0		105	70-130		
Dibromochloromethane	18.6		µg/kg wet		20.0		93	63.8-130		
1,2-Dibromoethane (EDB)	16.9		µg/kg wet		20.0		85	70-130		
Dibromomethane	17.4		µg/kg wet		20.0		87	70-130		
1,2-Dichlorobenzene	19.6		µg/kg wet		20.0		98	70-130		
1,3-Dichlorobenzene	16.8		µg/kg wet		20.0		84	70-130		
1,4-Dichlorobenzene	19.8		µg/kg wet		20.0		99	70-130		
Dichlorodifluoromethane (Freon12)	12.4		µg/kg wet		20.0		62	41.8-130		
1,1-Dichloroethane	18.9		µg/kg wet		20.0		95	70-130		
1,2-Dichloroethane	18.6		µg/kg wet		20.0		93	70-130		
1,1-Dichloroethene	19.3		µg/kg wet		20.0		97	70-130		
cis-1,2-Dichloroethene	18.8		µg/kg wet		20.0		94	70-130		
trans-1,2-Dichloroethene	20.1		µg/kg wet		20.0		100	70-130		
1,2-Dichloropropane	20.6		µg/kg wet		20.0		103	70-130		
1,3-Dichloropropane	17.8		µg/kg wet		20.0		89	70-130		
2,2-Dichloropropane	19.4		µg/kg wet		20.0		97	70-130		
1,1-Dichloropropene	20.2		µg/kg wet		20.0		101	70-130		
cis-1,3-Dichloropropene	17.9		µg/kg wet		20.0		90	70-130		
trans-1,3-Dichloropropene	19.1		µg/kg wet		20.0		96	70-130		
Ethylbenzene	19.4		µg/kg wet		20.0		97	70-130		
Hexachlorobutadiene	16.5		µg/kg wet		20.0		82	68.3-130		
2-Hexanone (MBK)	16.6		µg/kg wet		20.0		83	70-130		
Isopropylbenzene	18.2		µg/kg wet		20.0		91	70-130		
4-Isopropyltoluene	20.0		µg/kg wet		20.0		100	70-130		
Methyl tert-butyl ether	20.3		µg/kg wet		20.0		101	70-130		
4-Methyl-2-pentanone (MIBK)	16.6		µg/kg wet		20.0		83	53.1-132		
Methylene chloride	16.9		µg/kg wet		20.0		85	70-130		
Naphthalene	16.6		µg/kg wet		20.0		83	70-130		
n-Propylbenzene	17.9		µg/kg wet		20.0		90	70-130		
Styrene	18.6		µg/kg wet		20.0		93	70-130		
1,1,1,2-Tetrachloroethane	20.4		µg/kg wet		20.0		102	70-130		
1,1,2,2-Tetrachloroethane	19.0		µg/kg wet		20.0		95	70-130		
Tetrachloroethene	17.1		µg/kg wet		20.0		86	70-130		
Toluene	16.4		µg/kg wet		20.0		82	70-130		
1,2,3-Trichlorobenzene	17.6		µg/kg wet		20.0		88	70-130		
1,2,4-Trichlorobenzene	17.3		µg/kg wet		20.0		87	70-130		
1,3,5-Trichlorobenzene	18.2		µg/kg wet		20.0		91	70-130		
1,1,1-Trichloroethane	19.5		µg/kg wet		20.0		97	70-130		
1,1,2-Trichloroethane	18.1		µg/kg wet		20.0		90	70-130		
Trichloroethene	19.5		µg/kg wet		20.0		98	70-130		
Trichlorofluoromethane (Freon 11)	18.2		µg/kg wet		20.0		91	68.2-130		
1,2,3-Trichloropropane	18.7		µg/kg wet		20.0		93	70-130		
1,2,4-Trimethylbenzene	17.5		µg/kg wet		20.0		88	70-130		
1,3,5-Trimethylbenzene	17.6		µg/kg wet		20.0		88	70-130		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010793 - SW846 5035A Soil (low level)										
LCS (9010793-BS1)										
Prepared & Analyzed: 14-Jan-09										
Vinyl chloride	15.6		µg/kg wet		20.0		78	70-130		
m,p-Xylene	38.5		µg/kg wet		40.0		96	70-130		
o-Xylene	19.3		µg/kg wet		20.0		96	70-130		
Tetrahydrofuran	18.0		µg/kg wet		20.0		90	70-130		
Ethyl ether	21.4		µg/kg wet		20.0		107	70-130		
Tert-amyl methyl ether	18.6		µg/kg wet		20.0		93	70-130		
Ethyl tert-butyl ether	20.8		µg/kg wet		20.0		104	70-130		
Di-isopropyl ether	20.8		µg/kg wet		20.0		104	70-130		
Tert-Butanol / butyl alcohol	173		µg/kg wet		200		87	70-130		
1,4-Dioxane	124		µg/kg wet		200		62	48.7-130		
trans-1,4-Dichloro-2-butene	17.5		µg/kg wet		20.0		88	70-130		
Ethanol	334		µg/kg wet		400		83	70-130		
Surrogate: 4-Bromofluorobenzene	*46.9*		µg/kg wet		*50.0*		*94*	*70-130*		
Surrogate: Toluene-d8	*45.3*		µg/kg wet		*50.0*		*91*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*47.3*		µg/kg wet		*50.0*		*95*	*70-130*		
Surrogate: Dibromofluoromethane	*47.7*		µg/kg wet		*50.0*		*95*	*70-130*		
LCS Dup (9010793-BSD1)										
Prepared & Analyzed: 14-Jan-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	20.0		µg/kg wet		20.0		100	70-130	2	25
Acetone	16.9		µg/kg wet		20.0		84	7.9-168	22	50
Acrylonitrile	18.3		µg/kg wet		20.0		91	70-130	0.5	25
Benzene	20.7		µg/kg wet		20.0		104	70-130	4	25
Bromobenzene	19.1		µg/kg wet		20.0		96	70-130	9	25
Bromochloromethane	16.9		µg/kg wet		20.0		85	70-130	8	25
Bromodichloromethane	19.9		µg/kg wet		20.0		100	70-130	2	25
Bromoform	19.8		µg/kg wet		20.0		99	70-130	1	25
Bromomethane	18.1		µg/kg wet		20.0		90	50-134	29	50
2-Butanone (MEK)	14.5		µg/kg wet		20.0		73	44.6-130	2	50
n-Butylbenzene	21.8		µg/kg wet		20.0		109	70-130	7	25
sec-Butylbenzene	21.0		µg/kg wet		20.0		105	70-130	19	25
tert-Butylbenzene	20.3		µg/kg wet		20.0		101	70-130	17	25
Carbon disulfide	21.7		µg/kg wet		20.0		108	70-130	8	25
Carbon tetrachloride	20.5		µg/kg wet		20.0		102	70-130	0.3	25
Chlorobenzene	20.3		µg/kg wet		20.0		102	70-130	5	25
Chloroethane	18.3		µg/kg wet		20.0		92	59.2-130	23	50
Chloroform	18.0		µg/kg wet		20.0		90	70-130	1	25
Chloromethane	17.1	QR5	µg/kg wet		20.0		86	70-130	28	25
2-Chlorotoluene	21.0		µg/kg wet		20.0		105	70-130	13	25
4-Chlorotoluene	20.0		µg/kg wet		20.0		100	70-130	11	25
1,2-Dibromo-3-chloropropane	20.1		µg/kg wet		20.0		101	70-130	4	25
Dibromochloromethane	18.3		µg/kg wet		20.0		91	63.8-130	1	50
1,2-Dibromoethane (EDB)	17.8		µg/kg wet		20.0		89	70-130	5	25
Dibromomethane	18.0		µg/kg wet		20.0		90	70-130	4	25
1,2-Dichlorobenzene	20.0		µg/kg wet		20.0		100	70-130	2	25
1,3-Dichlorobenzene	19.9		µg/kg wet		20.0		100	70-130	17	25
1,4-Dichlorobenzene	19.7		µg/kg wet		20.0		99	70-130	0.2	25
Dichlorodifluoromethane (Freon12)	14.8		µg/kg wet		20.0		74	41.8-130	18	50
1,1-Dichloroethane	19.7		µg/kg wet		20.0		99	70-130	4	25
1,2-Dichloroethane	18.3		µg/kg wet		20.0		92	70-130	2	25
1,1-Dichloroethene	20.8		µg/kg wet		20.0		104	70-130	7	25

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010793 - SW846 5035A Soil (low level)										
LCS Dup (9010793-BSD1)										
Prepared & Analyzed: 14-Jan-09										
cis-1,2-Dichloroethene	18.8		µg/kg wet		20.0		94	70-130	0.2	25
trans-1,2-Dichloroethene	19.4		µg/kg wet		20.0		97	70-130	3	25
1,2-Dichloropropane	19.9		µg/kg wet		20.0		100	70-130	4	25
1,3-Dichloropropane	18.3		µg/kg wet		20.0		92	70-130	3	25
2,2-Dichloropropane	18.1		µg/kg wet		20.0		91	70-130	7	25
1,1-Dichloropropene	20.1		µg/kg wet		20.0		101	70-130	0.3	25
cis-1,3-Dichloropropene	18.2		µg/kg wet		20.0		91	70-130	2	25
trans-1,3-Dichloropropene	19.6		µg/kg wet		20.0		98	70-130	3	25
Ethylbenzene	20.8		µg/kg wet		20.0		104	70-130	7	25
Hexachlorobutadiene	18.4		µg/kg wet		20.0		92	68.3-130	11	50
2-Hexanone (MBK)	16.8		µg/kg wet		20.0		84	70-130	1	25
Isopropylbenzene	20.0		µg/kg wet		20.0		100	70-130	9	25
4-Isopropyltoluene	21.1		µg/kg wet		20.0		106	70-130	5	25
Methyl tert-butyl ether	17.9		µg/kg wet		20.0		90	70-130	12	25
4-Methyl-2-pentanone (MIBK)	14.2		µg/kg wet		20.0		71	53.1-132	16	50
Methylene chloride	19.0		µg/kg wet		20.0		95	70-130	12	25
Naphthalene	16.6		µg/kg wet		20.0		83	70-130	0	25
n-Propylbenzene	20.7		µg/kg wet		20.0		104	70-130	14	25
Styrene	20.2		µg/kg wet		20.0		101	70-130	8	25
1,1,1,2-Tetrachloroethane	19.6		µg/kg wet		20.0		98	70-130	4	25
1,1,2,2-Tetrachloroethane	19.0		µg/kg wet		20.0		95	70-130	0.4	25
Tetrachloroethene	18.7		µg/kg wet		20.0		93	70-130	9	25
Toluene	17.4		µg/kg wet		20.0		87	70-130	5	25
1,2,3-Trichlorobenzene	18.7		µg/kg wet		20.0		94	70-130	7	25
1,2,4-Trichlorobenzene	18.2		µg/kg wet		20.0		91	70-130	5	25
1,3,5-Trichlorobenzene	19.8		µg/kg wet		20.0		99	70-130	8	25
1,1,1-Trichloroethane	19.7		µg/kg wet		20.0		98	70-130	1	25
1,1,2-Trichloroethane	17.6		µg/kg wet		20.0		88	70-130	3	25
Trichloroethene	19.7		µg/kg wet		20.0		99	70-130	1	25
Trichlorofluoromethane (Freon 11)	19.5		µg/kg wet		20.0		98	68.2-130	7	50
1,2,3-Trichloropropane	19.1		µg/kg wet		20.0		95	70-130	2	25
1,2,4-Trimethylbenzene	20.3		µg/kg wet		20.0		102	70-130	15	25
1,3,5-Trimethylbenzene	20.4		µg/kg wet		20.0		102	70-130	15	25
Vinyl chloride	20.0		µg/kg wet		20.0		100	70-130	24	25
m,p-Xylene	42.6		µg/kg wet		40.0		107	70-130	10	25
o-Xylene	20.4		µg/kg wet		20.0		102	70-130	6	25
Tetrahydrofuran	17.0		µg/kg wet		20.0		85	70-130	6	25
Ethyl ether	20.0		µg/kg wet		20.0		100	70-130	7	50
Tert-amyl methyl ether	16.4		µg/kg wet		20.0		82	70-130	13	25
Ethyl tert-butyl ether	19.3		µg/kg wet		20.0		96	70-130	7	25
Di-isopropyl ether	19.4		µg/kg wet		20.0		97	70-130	7	25
Tert-Butanol / butyl alcohol	181		µg/kg wet		200		91	70-130	4	25
1,4-Dioxane	161	QR2	µg/kg wet		200		81	48.7-130	26	25
trans-1,4-Dichloro-2-butene	20.4		µg/kg wet		20.0		102	70-130	15	25
Ethanol	360		µg/kg wet		400		90	70-130	8	30
Surrogate: 4-Bromofluorobenzene	*49.6*		µg/kg wet		*50.0*		*99*	*70-130*		
Surrogate: Toluene-d8	*46.7*		µg/kg wet		*50.0*		*93*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*43.5*		µg/kg wet		*50.0*		*87*	*70-130*		
Surrogate: Dibromofluoromethane	*45.8*		µg/kg wet		*50.0*		*92*	*70-130*		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010886 - SW846 5035A Soil (low level)										
Blank (9010886-BLK1)										
Prepared & Analyzed: 15-Jan-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg wet	5.0						
Acetone	BRL		µg/kg wet	50.0						
Acrylonitrile	BRL		µg/kg wet	5.0						
Benzene	BRL		µg/kg wet	5.0						
Bromobenzene	BRL		µg/kg wet	5.0						
Bromochloromethane	BRL		µg/kg wet	5.0						
Bromodichloromethane	BRL		µg/kg wet	5.0						
Bromoform	BRL		µg/kg wet	5.0						
Bromomethane	BRL		µg/kg wet	10.0						
2-Butanone (MEK)	BRL		µg/kg wet	50.0						
n-Butylbenzene	BRL		µg/kg wet	5.0						
sec-Butylbenzene	BRL		µg/kg wet	5.0						
tert-Butylbenzene	BRL		µg/kg wet	5.0						
Carbon disulfide	BRL		µg/kg wet	25.0						
Carbon tetrachloride	BRL		µg/kg wet	5.0						
Chlorobenzene	BRL		µg/kg wet	5.0						
Chloroethane	BRL		µg/kg wet	10.0						
Chloroform	BRL		µg/kg wet	5.0						
Chloromethane	BRL		µg/kg wet	10.0						
2-Chlorotoluene	BRL		µg/kg wet	5.0						
4-Chlorotoluene	BRL		µg/kg wet	5.0						
1,2-Dibromo-3-chloropropane	BRL		µg/kg wet	10.0						
Dibromochloromethane	BRL		µg/kg wet	5.0						
1,2-Dibromoethane (EDB)	BRL		µg/kg wet	5.0						
Dibromomethane	BRL		µg/kg wet	5.0						
1,2-Dichlorobenzene	BRL		µg/kg wet	5.0						
1,3-Dichlorobenzene	BRL		µg/kg wet	5.0						
1,4-Dichlorobenzene	BRL		µg/kg wet	5.0						
Dichlorodifluoromethane (Freon12)	BRL		µg/kg wet	10.0						
1,1-Dichloroethane	BRL		µg/kg wet	5.0						
1,2-Dichloroethane	BRL		µg/kg wet	5.0						
1,1-Dichloroethene	BRL		µg/kg wet	5.0						
cis-1,2-Dichloroethene	BRL		µg/kg wet	5.0						
trans-1,2-Dichloroethene	BRL		µg/kg wet	5.0						
1,2-Dichloropropane	BRL		µg/kg wet	5.0						
1,3-Dichloropropane	BRL		µg/kg wet	5.0						
2,2-Dichloropropane	BRL		µg/kg wet	5.0						
1,1-Dichloropropene	BRL		µg/kg wet	5.0						
cis-1,3-Dichloropropene	BRL		µg/kg wet	5.0						
trans-1,3-Dichloropropene	BRL		µg/kg wet	5.0						
Ethylbenzene	BRL		µg/kg wet	5.0						
Hexachlorobutadiene	BRL		µg/kg wet	5.0						
2-Hexanone (MBK)	BRL		µg/kg wet	50.0						
Isopropylbenzene	BRL		µg/kg wet	5.0						
4-Isopropyltoluene	BRL		µg/kg wet	5.0						
Methyl tert-butyl ether	BRL		µg/kg wet	5.0						
4-Methyl-2-pentanone (MIBK)	BRL		µg/kg wet	50.0						
Methylene chloride	BRL		µg/kg wet	50.0						
Naphthalene	BRL		µg/kg wet	5.0						
n-Propylbenzene	BRL		µg/kg wet	5.0						

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010886 - SW846 5035A Soil (low level)										
Blank (9010886-BLK1)										
Prepared & Analyzed: 15-Jan-09										
Styrene	BRL		µg/kg wet	5.0						
1,1,1,2-Tetrachloroethane	BRL		µg/kg wet	5.0						
1,1,2,2-Tetrachloroethane	BRL		µg/kg wet	5.0						
Tetrachloroethene	BRL		µg/kg wet	5.0						
Toluene	BRL		µg/kg wet	5.0						
1,2,3-Trichlorobenzene	BRL		µg/kg wet	5.0						
1,2,4-Trichlorobenzene	BRL		µg/kg wet	5.0						
1,3,5-Trichlorobenzene	BRL		µg/kg wet	5.0						
1,1,1-Trichloroethane	BRL		µg/kg wet	5.0						
1,1,2-Trichloroethane	BRL		µg/kg wet	5.0						
Trichloroethene	BRL		µg/kg wet	5.0						
Trichlorofluoromethane (Freon 11)	BRL		µg/kg wet	5.0						
1,2,3-Trichloropropane	BRL		µg/kg wet	5.0						
1,2,4-Trimethylbenzene	BRL		µg/kg wet	5.0						
1,3,5-Trimethylbenzene	BRL		µg/kg wet	5.0						
Vinyl chloride	BRL		µg/kg wet	5.0						
m,p-Xylene	BRL		µg/kg wet	10.0						
o-Xylene	BRL		µg/kg wet	5.0						
Tetrahydrofuran	BRL		µg/kg wet	50.0						
Ethyl ether	BRL		µg/kg wet	5.0						
Tert-amyl methyl ether	BRL		µg/kg wet	5.0						
Ethyl tert-butyl ether	BRL		µg/kg wet	5.0						
Di-isopropyl ether	BRL		µg/kg wet	5.0						
Tert-Butanol / butyl alcohol	BRL		µg/kg wet	50.0						
1,4-Dioxane	BRL		µg/kg wet	100						
trans-1,4-Dichloro-2-butene	BRL		µg/kg wet	25.0						
Ethanol	BRL		µg/kg wet	2000						
Surrogate: 4-Bromofluorobenzene	*41.7*		µg/kg wet		*50.0*		*83*	*70-130*		
Surrogate: Toluene-d8	*45.7*		µg/kg wet		*50.0*		*91*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*57.2*		µg/kg wet		*50.0*		*114*	*70-130*		
Surrogate: Dibromofluoromethane	*50.9*		µg/kg wet		*50.0*		*102*	*70-130*		
LCS (9010886-BS1)										
Prepared & Analyzed: 15-Jan-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	23.9		µg/kg wet		20.0		120	70-130		
Acetone	8.7		µg/kg wet		20.0		43	7.9-168		
Acrylonitrile	15.8		µg/kg wet		20.0		79	70-130		
Benzene	22.2		µg/kg wet		20.0		111	70-130		
Bromobenzene	17.8		µg/kg wet		20.0		89	70-130		
Bromochloromethane	15.5		µg/kg wet		20.0		78	70-130		
Bromodichloromethane	21.3		µg/kg wet		20.0		106	70-130		
Bromoform	20.0		µg/kg wet		20.0		100	70-130		
Bromomethane	14.6		µg/kg wet		20.0		73	50-134		
2-Butanone (MEK)	15.8		µg/kg wet		20.0		79	44.6-130		
n-Butylbenzene	23.2		µg/kg wet		20.0		116	70-130		
sec-Butylbenzene	18.0		µg/kg wet		20.0		90	70-130		
tert-Butylbenzene	17.2		µg/kg wet		20.0		86	70-130		
Carbon disulfide	21.9		µg/kg wet		20.0		109	70-130		
Carbon tetrachloride	23.1		µg/kg wet		20.0		116	70-130		
Chlorobenzene	20.8		µg/kg wet		20.0		104	70-130		
Chloroethane	15.5		µg/kg wet		20.0		78	59.2-130		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010886 - SW846 5035A Soil (low level)										
LCS (9010886-BS1)										
Prepared & Analyzed: 15-Jan-09										
Chloroform	19.9		µg/kg wet		20.0		99	70-130		
Chloromethane	14.4		µg/kg wet		20.0		72	70-130		
2-Chlorotoluene	19.4		µg/kg wet		20.0		97	70-130		
4-Chlorotoluene	18.0		µg/kg wet		20.0		90	70-130		
1,2-Dibromo-3-chloropropane	19.8		µg/kg wet		20.0		99	70-130		
Dibromochloromethane	19.1		µg/kg wet		20.0		96	63.8-130		
1,2-Dibromoethane (EDB)	17.0		µg/kg wet		20.0		85	70-130		
Dibromomethane	18.4		µg/kg wet		20.0		92	70-130		
1,2-Dichlorobenzene	20.7		µg/kg wet		20.0		104	70-130		
1,3-Dichlorobenzene	16.9		µg/kg wet		20.0		85	70-130		
1,4-Dichlorobenzene	21.0		µg/kg wet		20.0		105	70-130		
Dichlorodifluoromethane (Freon12)	15.3		µg/kg wet		20.0		77	41.8-130		
1,1-Dichloroethane	21.6		µg/kg wet		20.0		108	70-130		
1,2-Dichloroethane	19.8		µg/kg wet		20.0		99	70-130		
1,1-Dichloroethene	21.2		µg/kg wet		20.0		106	70-130		
cis-1,2-Dichloroethene	21.1		µg/kg wet		20.0		106	70-130		
trans-1,2-Dichloroethene	21.6		µg/kg wet		20.0		108	70-130		
1,2-Dichloropropane	22.0		µg/kg wet		20.0		110	70-130		
1,3-Dichloropropane	18.4		µg/kg wet		20.0		92	70-130		
2,2-Dichloropropane	23.0		µg/kg wet		20.0		115	70-130		
1,1-Dichloropropene	22.4		µg/kg wet		20.0		112	70-130		
cis-1,3-Dichloropropene	20.1		µg/kg wet		20.0		100	70-130		
trans-1,3-Dichloropropene	20.2		µg/kg wet		20.0		101	70-130		
Ethylbenzene	20.9		µg/kg wet		20.0		105	70-130		
Hexachlorobutadiene	19.2		µg/kg wet		20.0		96	68.3-130		
2-Hexanone (MBK)	14.1		µg/kg wet		20.0		70	70-130		
Isopropylbenzene	19.0		µg/kg wet		20.0		95	70-130		
4-Isopropyltoluene	22.0		µg/kg wet		20.0		110	70-130		
Methyl tert-butyl ether	21.5		µg/kg wet		20.0		107	70-130		
4-Methyl-2-pentanone (MIBK)	15.0		µg/kg wet		20.0		75	53.1-132		
Methylene chloride	17.0		µg/kg wet		20.0		85	70-130		
Naphthalene	17.2		µg/kg wet		20.0		86	70-130		
n-Propylbenzene	19.0		µg/kg wet		20.0		95	70-130		
Styrene	19.0		µg/kg wet		20.0		95	70-130		
1,1,1,2-Tetrachloroethane	22.2		µg/kg wet		20.0		111	70-130		
1,1,2,2-Tetrachloroethane	18.6		µg/kg wet		20.0		93	70-130		
Tetrachloroethene	18.7		µg/kg wet		20.0		94	70-130		
Toluene	17.3		µg/kg wet		20.0		87	70-130		
1,2,3-Trichlorobenzene	18.9		µg/kg wet		20.0		94	70-130		
1,2,4-Trichlorobenzene	18.5		µg/kg wet		20.0		93	70-130		
1,3,5-Trichlorobenzene	20.0		µg/kg wet		20.0		100	70-130		
1,1,1-Trichloroethane	22.4		µg/kg wet		20.0		112	70-130		
1,1,2-Trichloroethane	18.7		µg/kg wet		20.0		94	70-130		
Trichloroethene	21.6		µg/kg wet		20.0		108	70-130		
Trichlorofluoromethane (Freon 11)	19.0		µg/kg wet		20.0		95	68.2-130		
1,2,3-Trichloropropane	18.1		µg/kg wet		20.0		90	70-130		
1,2,4-Trimethylbenzene	18.1		µg/kg wet		20.0		90	70-130		
1,3,5-Trimethylbenzene	18.5		µg/kg wet		20.0		93	70-130		
Vinyl chloride	17.1		µg/kg wet		20.0		85	70-130		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010886 - SW846 5035A Soil (low level)										
LCS (9010886-BS1)										
Prepared & Analyzed: 15-Jan-09										
m,p-Xylene	40.9		µg/kg wet		40.0		102	70-130		
o-Xylene	19.2		µg/kg wet		20.0		96	70-130		
Tetrahydrofuran	15.7		µg/kg wet		20.0		79	70-130		
Ethyl ether	23.5		µg/kg wet		20.0		117	70-130		
Tert-amyl methyl ether	20.1		µg/kg wet		20.0		100	70-130		
Ethyl tert-butyl ether	22.0		µg/kg wet		20.0		110	70-130		
Di-isopropyl ether	22.8		µg/kg wet		20.0		114	70-130		
Tert-Butanol / butyl alcohol	171		µg/kg wet		200		85	70-130		
1,4-Dioxane	118		µg/kg wet		200		59	48.7-130		
trans-1,4-Dichloro-2-butene	19.8		µg/kg wet		20.0		99	70-130		
Ethanol	325		µg/kg wet		400		81	70-130		
Surrogate: 4-Bromofluorobenzene	*44.6*		µg/kg wet		*50.0*		*89*	*70-130*		
Surrogate: Toluene-d8	*45.0*		µg/kg wet		*50.0*		*90*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*46.8*		µg/kg wet		*50.0*		*94*	*70-130*		
Surrogate: Dibromofluoromethane	*47.4*		µg/kg wet		*50.0*		*95*	*70-130*		
LCS Dup (9010886-BSD1)										
Prepared & Analyzed: 15-Jan-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	22.6		µg/kg wet		20.0		113	70-130	6	25
Acetone	10.9		µg/kg wet		20.0		54	7.9-168	23	50
Acrylonitrile	18.0		µg/kg wet		20.0		90	70-130	13	25
Benzene	21.9		µg/kg wet		20.0		110	70-130	1	25
Bromobenzene	18.9		µg/kg wet		20.0		95	70-130	6	25
Bromochloromethane	17.5		µg/kg wet		20.0		87	70-130	12	25
Bromodichloromethane	20.0		µg/kg wet		20.0		100	70-130	6	25
Bromoform	19.2		µg/kg wet		20.0		96	70-130	4	25
Bromomethane	17.6		µg/kg wet		20.0		88	50-134	19	50
2-Butanone (MEK)	15.5		µg/kg wet		20.0		77	44.6-130	2	50
n-Butylbenzene	23.6		µg/kg wet		20.0		118	70-130	2	25
sec-Butylbenzene	20.6		µg/kg wet		20.0		103	70-130	13	25
tert-Butylbenzene	19.5		µg/kg wet		20.0		98	70-130	12	25
Carbon disulfide	23.6		µg/kg wet		20.0		118	70-130	8	25
Carbon tetrachloride	21.8		µg/kg wet		20.0		109	70-130	6	25
Chlorobenzene	20.5		µg/kg wet		20.0		103	70-130	1	25
Chloroethane	18.5		µg/kg wet		20.0		93	59.2-130	18	50
Chloroform	19.1		µg/kg wet		20.0		96	70-130	4	25
Chloromethane	17.8		µg/kg wet		20.0		89	70-130	21	25
2-Chlorotoluene	21.0		µg/kg wet		20.0		105	70-130	8	25
4-Chlorotoluene	20.2		µg/kg wet		20.0		101	70-130	12	25
1,2-Dibromo-3-chloropropane	19.6		µg/kg wet		20.0		98	70-130	1	25
Dibromochloromethane	18.0		µg/kg wet		20.0		90	63.8-130	6	50
1,2-Dibromoethane (EDB)	17.3		µg/kg wet		20.0		86	70-130	2	25
Dibromomethane	18.3		µg/kg wet		20.0		92	70-130	0.2	25
1,2-Dichlorobenzene	20.6		µg/kg wet		20.0		103	70-130	0.5	25
1,3-Dichlorobenzene	19.0		µg/kg wet		20.0		95	70-130	11	25
1,4-Dichlorobenzene	20.7		µg/kg wet		20.0		103	70-130	2	25
Dichlorodifluoromethane (Freon12)	18.2		µg/kg wet		20.0		91	41.8-130	17	50
1,1-Dichloroethane	20.6		µg/kg wet		20.0		103	70-130	5	25
1,2-Dichloroethane	18.6		µg/kg wet		20.0		93	70-130	6	25
1,1-Dichloroethene	22.9		µg/kg wet		20.0		115	70-130	8	25
cis-1,2-Dichloroethene	20.4		µg/kg wet		20.0		102	70-130	3	25

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010886 - SW846 5035A Soil (low level)										
LCS Dup (9010886-BSD1)										
Prepared & Analyzed: 15-Jan-09										
trans-1,2-Dichloroethene	20.7		µg/kg wet		20.0		103	70-130	4	25
1,2-Dichloropropane	21.2		µg/kg wet		20.0		106	70-130	4	25
1,3-Dichloropropane	18.0		µg/kg wet		20.0		90	70-130	2	25
2,2-Dichloropropane	21.6		µg/kg wet		20.0		108	70-130	7	25
1,1-Dichloropropene	21.5		µg/kg wet		20.0		107	70-130	4	25
cis-1,3-Dichloropropene	19.4		µg/kg wet		20.0		97	70-130	3	25
trans-1,3-Dichloropropene	19.7		µg/kg wet		20.0		99	70-130	2	25
Ethylbenzene	21.2		µg/kg wet		20.0		106	70-130	1	25
Hexachlorobutadiene	20.0		µg/kg wet		20.0		100	68.3-130	4	50
2-Hexanone (MBK)	15.8		µg/kg wet		20.0		79	70-130	12	25
Isopropylbenzene	20.6		µg/kg wet		20.0		103	70-130	8	25
4-Isopropyltoluene	22.4		µg/kg wet		20.0		112	70-130	2	25
Methyl tert-butyl ether	18.7		µg/kg wet		20.0		94	70-130	14	25
4-Methyl-2-pentanone (MIBK)	14.1		µg/kg wet		20.0		70	53.1-132	6	50
Methylene chloride	19.0		µg/kg wet		20.0		95	70-130	11	25
Naphthalene	16.8		µg/kg wet		20.0		84	70-130	2	25
n-Propylbenzene	20.7		µg/kg wet		20.0		104	70-130	9	25
Styrene	20.1		µg/kg wet		20.0		100	70-130	6	25
1,1,1,2-Tetrachloroethane	20.2		µg/kg wet		20.0		101	70-130	9	25
1,1,2,2-Tetrachloroethane	18.4		µg/kg wet		20.0		92	70-130	1	25
Tetrachloroethene	19.3		µg/kg wet		20.0		97	70-130	3	25
Toluene	18.0		µg/kg wet		20.0		90	70-130	4	25
1,2,3-Trichlorobenzene	18.8		µg/kg wet		20.0		94	70-130	0.4	25
1,2,4-Trichlorobenzene	18.6		µg/kg wet		20.0		93	70-130	0.5	25
1,3,5-Trichlorobenzene	20.7		µg/kg wet		20.0		104	70-130	4	25
1,1,1-Trichloroethane	21.1		µg/kg wet		20.0		105	70-130	6	25
1,1,2-Trichloroethane	18.7		µg/kg wet		20.0		93	70-130	0.4	25
Trichloroethene	21.2		µg/kg wet		20.0		106	70-130	2	25
Trichlorofluoromethane (Freon 11)	21.8		µg/kg wet		20.0		109	68.2-130	14	50
1,2,3-Trichloropropane	18.1		µg/kg wet		20.0		91	70-130	0.4	25
1,2,4-Trimethylbenzene	20.2		µg/kg wet		20.0		101	70-130	11	25
1,3,5-Trimethylbenzene	20.2		µg/kg wet		20.0		101	70-130	8	25
Vinyl chloride	20.8		µg/kg wet		20.0		104	70-130	20	25
m,p-Xylene	41.9		µg/kg wet		40.0		105	70-130	3	25
o-Xylene	20.6		µg/kg wet		20.0		103	70-130	7	25
Tetrahydrofuran	15.8		µg/kg wet		20.0		79	70-130	0.6	25
Ethyl ether	21.1		µg/kg wet		20.0		105	70-130	11	50
Tert-amyl methyl ether	16.7		µg/kg wet		20.0		84	70-130	18	25
Ethyl tert-butyl ether	19.9		µg/kg wet		20.0		100	70-130	10	25
Di-isopropyl ether	20.8		µg/kg wet		20.0		104	70-130	9	25
Tert-Butanol / butyl alcohol	182		µg/kg wet		200		91	70-130	6	25
1,4-Dioxane	151		µg/kg wet		200		76	48.7-130	25	25
trans-1,4-Dichloro-2-butene	18.3		µg/kg wet		20.0		92	70-130	8	25
Ethanol	393		µg/kg wet		400		98	70-130	19	30
Surrogate: 4-Bromofluorobenzene	*47.0*		µg/kg wet		*50.0*		*94*	*70-130*		
Surrogate: Toluene-d8	*46.4*		µg/kg wet		*50.0*		*93*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*44.5*		µg/kg wet		*50.0*		*89*	*70-130*		
Surrogate: Dibromofluoromethane	*45.6*		µg/kg wet		*50.0*		*91*	*70-130*		

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010768 - SW846 3550B										
Blank (9010768-BLK1)										
Prepared: 14-Jan-09 Analyzed: 17-Jan-09										
Acenaphthene	BRL		µg/kg wet	330						
Acenaphthylene	BRL		µg/kg wet	330						
Aniline	BRL		µg/kg wet	330						
Anthracene	BRL		µg/kg wet	330						
Atrazine	BRL		µg/kg wet	330						
Azobenzene/Diphenyldiazine	BRL		µg/kg wet	330						
Benzidine	BRL		µg/kg wet	330						
Benzo (a) anthracene	BRL		µg/kg wet	330						
Benzo (a) pyrene	BRL		µg/kg wet	330						
Benzo (b) fluoranthene	BRL		µg/kg wet	330						
Benzo (g,h,i) perylene	BRL		µg/kg wet	330						
Benzo (k) fluoranthene	BRL		µg/kg wet	330						
Benzoic acid	BRL		µg/kg wet	330						
Benzyl alcohol	BRL		µg/kg wet	330						
Bis(2-chloroethoxy)methane	BRL		µg/kg wet	330						
Bis(2-chloroethyl)ether	BRL		µg/kg wet	330						
Bis(2-chloroisopropyl)ether	BRL		µg/kg wet	330						
Bis(2-ethylhexyl)phthalate	BRL		µg/kg wet	330						
4-Bromophenyl phenyl ether	BRL		µg/kg wet	330						
Butyl benzyl phthalate	BRL		µg/kg wet	330						
Carbazole	BRL		µg/kg wet	330						
4-Chloro-3-methylphenol	BRL		µg/kg wet	330						
4-Chloroaniline	BRL		µg/kg wet	330						
2-Chloronaphthalene	BRL		µg/kg wet	330						
2-Chlorophenol	BRL		µg/kg wet	330						
4-Chlorophenyl phenyl ether	BRL		µg/kg wet	330						
Chrysene	BRL		µg/kg wet	330						
Dibenzo (a,h) anthracene	BRL		µg/kg wet	330						
Dibenzofuran	BRL		µg/kg wet	330						
1,2-Dichlorobenzene	BRL		µg/kg wet	330						
1,3-Dichlorobenzene	BRL		µg/kg wet	330						
1,4-Dichlorobenzene	BRL		µg/kg wet	330						
3,3'-Dichlorobenzidine	BRL		µg/kg wet	330						
2,4-Dichlorophenol	BRL		µg/kg wet	330						
Diethyl phthalate	BRL		µg/kg wet	330						
Dimethyl phthalate	BRL		µg/kg wet	330						
2,4-Dimethylphenol	BRL		µg/kg wet	330						
Di-n-butyl phthalate	BRL		µg/kg wet	330						
4,6-Dinitro-2-methylphenol	BRL		µg/kg wet	330						
2,4-Dinitrophenol	BRL		µg/kg wet	330						
2,4-Dinitrotoluene	BRL		µg/kg wet	330						
2,6-Dinitrotoluene	BRL		µg/kg wet	330						
Di-n-octyl phthalate	BRL		µg/kg wet	330						
Fluoranthene	BRL		µg/kg wet	330						
Fluorene	BRL		µg/kg wet	330						
Hexachlorobenzene	BRL		µg/kg wet	330						
Hexachlorobutadiene	BRL		µg/kg wet	330						
Hexachlorocyclopentadiene	BRL		µg/kg wet	330						
Hexachloroethane	BRL		µg/kg wet	330						

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010768 - SW846 3550B										
Blank (9010768-BLK1)										
Prepared: 14-Jan-09 Analyzed: 17-Jan-09										
Indeno (1,2,3-cd) pyrene	BRL		µg/kg wet	330						
1-Methylnaphthalene	BRL		µg/kg wet	330						
Isophorone	BRL		µg/kg wet	330						
2-Methylnaphthalene	BRL		µg/kg wet	330						
2-Methylphenol	BRL		µg/kg wet	330						
3 & 4-Methylphenol	BRL		µg/kg wet	330						
Naphthalene	BRL		µg/kg wet	330						
2-Nitroaniline	BRL		µg/kg wet	330						
3-Nitroaniline	BRL		µg/kg wet	330						
4-Nitroaniline	BRL		µg/kg wet	1320						
Nitrobenzene	BRL		µg/kg wet	330						
2-Nitrophenol	BRL		µg/kg wet	330						
4-Nitrophenol	BRL		µg/kg wet	1320						
N-Nitrosodimethylamine	BRL		µg/kg wet	330						
N-Nitrosodi-n-propylamine	BRL		µg/kg wet	330						
N-Nitrosodiphenylamine	BRL		µg/kg wet	330						
Pentachlorophenol	BRL		µg/kg wet	330						
Phenanthrene	BRL		µg/kg wet	330						
Phenol	BRL		µg/kg wet	330						
Pyrene	BRL		µg/kg wet	330						
Pyridine	BRL		µg/kg wet	330						
1,2,4-Trichlorobenzene	BRL		µg/kg wet	330						
2,4,5-Trichlorophenol	BRL		µg/kg wet	330						
2,4,6-Trichlorophenol	BRL		µg/kg wet	330						
Pentachloronitrobenzene	BRL		µg/kg wet	330						
1,2,4,5-Tetrachlorobenzene	BRL		µg/kg wet	330						
Surrogate: 2-Fluorobiphenyl	*2430*		µg/kg wet		*3330*		*73*	*30-130*		
Surrogate: 2-Fluorophenol	*2420*		µg/kg wet		*3330*		*73*	*15-110*		
Surrogate: Nitrobenzene-d5	*2430*		µg/kg wet		*3330*		*73*	*30-130*		
Surrogate: Phenol-d5	*2350*		µg/kg wet		*3330*		*70*	*15-110*		
Surrogate: Terphenyl-dl4	*2310*		µg/kg wet		*3330*		*69*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*2700*		µg/kg wet		*3330*		*81*	*15-110*		
LCS (9010768-BS1)										
Prepared: 14-Jan-09 Analyzed: 17-Jan-09										
Acenaphthene	2620		µg/kg wet	330	3330		79	40-130		
Acenaphthylene	2520		µg/kg wet	330	3330		76	40-130		
Aniline	797	QC2	µg/kg wet	330	3330		24	40-130		
Anthracene	2620		µg/kg wet	330	3330		79	40-130		
Atrazine	2020		µg/kg wet	330	3330		61	40-130		
Azobenzene/Diphenyldiazine	2770		µg/kg wet	330	3330		83	40-130		
Benzidine	BRL		µg/kg wet	330	3330			0-130		
Benzo (a) anthracene	2640		µg/kg wet	330	3330		79	40-130		
Benzo (a) pyrene	2640		µg/kg wet	330	3330		79	40-130		
Benzo (b) fluoranthene	2510		µg/kg wet	330	3330		75	40-130		
Benzo (g,h,i) perylene	2680		µg/kg wet	330	3330		80	40-130		
Benzo (k) fluoranthene	2890		µg/kg wet	330	3330		87	40-130		
Benzoic acid	2840		µg/kg wet	330	3330		85	19.5-130		
Benzyl alcohol	2570		µg/kg wet	330	3330		77	40-130		
Bis(2-chloroethoxy)methane	2720		µg/kg wet	330	3330		82	40-130		
Bis(2-chloroethyl)ether	2880		µg/kg wet	330	3330		86	40-130		

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010768 - SW846 3550B										
LCS (9010768-BS1)										
Prepared: 14-Jan-09 Analyzed: 17-Jan-09										
Bis(2-chloroisopropyl)ether	2690		µg/kg wet	330	3330		81	40-130		
Bis(2-ethylhexyl)phthalate	3090		µg/kg wet	330	3330		93	40-130		
4-Bromophenyl phenyl ether	3120		µg/kg wet	330	3330		94	40-130		
Butyl benzyl phthalate	3040		µg/kg wet	330	3330		91	40-130		
Carbazole	4260		µg/kg wet	330	3330		128	40-130		
4-Chloro-3-methylphenol	2600		µg/kg wet	330	3330		78	40-130		
4-Chloroaniline	1400		µg/kg wet	330	3330		42	40-130		
2-Chloronaphthalene	2490		µg/kg wet	330	3330		75	40-130		
2-Chlorophenol	2500		µg/kg wet	330	3330		75	40-130		
4-Chlorophenyl phenyl ether	2880		µg/kg wet	330	3330		86	40-130		
Chrysene	2630		µg/kg wet	330	3330		79	40-130		
Dibenzo (a,h) anthracene	2640		µg/kg wet	330	3330		79	40-130		
Dibenzofuran	2580		µg/kg wet	330	3330		77	40-130		
1,2-Dichlorobenzene	2330		µg/kg wet	330	3330		70	40-130		
1,3-Dichlorobenzene	2250		µg/kg wet	330	3330		68	40-130		
1,4-Dichlorobenzene	2290		µg/kg wet	330	3330		69	40-130		
3,3'-Dichlorobenzidine	2920		µg/kg wet	330	3330		87	40-130		
2,4-Dichlorophenol	2430		µg/kg wet	330	3330		73	40-130		
Diethyl phthalate	3080		µg/kg wet	330	3330		92	40-130		
Dimethyl phthalate	2810		µg/kg wet	330	3330		84	40-130		
2,4-Dimethylphenol	2370		µg/kg wet	330	3330		71	40-130		
Di-n-butyl phthalate	3100		µg/kg wet	330	3330		93	40-130		
4,6-Dinitro-2-methylphenol	2780		µg/kg wet	330	3330		83	40-130		
2,4-Dinitrophenol	2670		µg/kg wet	330	3330		80	40-130		
2,4-Dinitrotoluene	2770		µg/kg wet	330	3330		83	40-130		
2,6-Dinitrotoluene	2760		µg/kg wet	330	3330		83	40-130		
Di-n-octyl phthalate	3130		µg/kg wet	330	3330		94	40-130		
Fluoranthene	2810		µg/kg wet	330	3330		84	40-130		
Fluorene	2650		µg/kg wet	330	3330		79	40-130		
Hexachlorobenzene	2640		µg/kg wet	330	3330		79	40-130		
Hexachlorobutadiene	2250		µg/kg wet	330	3330		68	40-130		
Hexachlorocyclopentadiene	2250		µg/kg wet	330	3330		67	40-130		
Hexachloroethane	2350		µg/kg wet	330	3330		70	40-130		
Indeno (1,2,3-cd) pyrene	2620		µg/kg wet	330	3330		79	40-130		
1-Methylnaphthalene	2580		µg/kg wet	330	3330		77	40-140		
Isophorone	2360		µg/kg wet	330	3330		71	40-130		
2-Methylnaphthalene	2360		µg/kg wet	330	3330		71	40-130		
2-Methylphenol	2500		µg/kg wet	330	3330		75	40-130		
3 & 4-Methylphenol	2600		µg/kg wet	330	3330		78	40-130		
Naphthalene	2320		µg/kg wet	330	3330		70	40-130		
2-Nitroaniline	2660		µg/kg wet	330	3330		80	40-130		
3-Nitroaniline	2260		µg/kg wet	330	3330		68	40-130		
4-Nitroaniline	3030		µg/kg wet	1320	3330		91	40-130		
Nitrobenzene	2370		µg/kg wet	330	3330		71	40-130		
2-Nitrophenol	2420		µg/kg wet	330	3330		73	40-130		
4-Nitrophenol	2700		µg/kg wet	1320	3330		81	40-130		
N-Nitrosodimethylamine	2660		µg/kg wet	330	3330		80	40-130		
N-Nitrosodi-n-propylamine	2770		µg/kg wet	330	3330		83	40-130		
N-Nitrosodiphenylamine	3240		µg/kg wet	330	3330		97	40-130		

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010768 - SW846 3550B										
LCS (9010768-BS1)										
Prepared: 14-Jan-09 Analyzed: 17-Jan-09										
Pentachlorophenol	3370		µg/kg wet	330	3330		101	40-130		
Phenanthrene	2640		µg/kg wet	330	3330		79	40-130		
Phenol	2390		µg/kg wet	330	3330		72	40-130		
Pyrene	2610		µg/kg wet	330	3330		78	40-130		
Pyridine	693		µg/kg wet	330	3330		21	0-130		
1,2,4-Trichlorobenzene	2280		µg/kg wet	330	3330		68	40-130		
2,4,5-Trichlorophenol	2680		µg/kg wet	330	3330		80	40-130		
2,4,6-Trichlorophenol	2500		µg/kg wet	330	3330		75	40-130		
Pentachloronitrobenzene	2620		µg/kg wet	330	3330		79	40-140		
1,2,4,5-Tetrachlorobenzene	2400		µg/kg wet	330	3330		72	40-140		
Surrogate: 2-Fluorobiphenyl	*2360*		µg/kg wet		*3330*		*71*	*30-130*		
Surrogate: 2-Fluorophenol	*2210*		µg/kg wet		*3330*		*66*	*15-110*		
Surrogate: Nitrobenzene-d5	*2280*		µg/kg wet		*3330*		*68*	*30-130*		
Surrogate: Phenol-d5	*2110*		µg/kg wet		*3330*		*63*	*15-110*		
Surrogate: Terphenyl-dl4	*2430*		µg/kg wet		*3330*		*73*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*2890*		µg/kg wet		*3330*		*87*	*15-110*		
Duplicate (9010768-DUP1) **Source: SA89735-02**										
Prepared: 14-Jan-09 Analyzed: 17-Jan-09										
Acenaphthene	BRL		µg/kg dry	411		BRL				50
Acenaphthylene	BRL		µg/kg dry	411		BRL				50
Aniline	BRL		µg/kg dry	411		BRL				50
Anthracene	BRL		µg/kg dry	411		BRL				50
Atrazine	BRL		µg/kg dry	411		BRL				50
Azobenzene/Diphenyldiazine	BRL		µg/kg dry	411		BRL				50
Benzidine	BRL		µg/kg dry	411		BRL				50
Benzo (a) anthracene	BRL		µg/kg dry	411		BRL				50
Benzo (a) pyrene	BRL		µg/kg dry	411		BRL				50
Benzo (b) fluoranthene	BRL		µg/kg dry	411		BRL				50
Benzo (g,h,i) perylene	BRL		µg/kg dry	411		BRL				50
Benzo (k) fluoranthene	BRL		µg/kg dry	411		BRL				50
Benzoic acid	BRL		µg/kg dry	411		BRL				50
Benzyl alcohol	BRL		µg/kg dry	411		BRL				50
Bis(2-chloroethoxy)methane	BRL		µg/kg dry	411		BRL				50
Bis(2-chloroethyl)ether	BRL		µg/kg dry	411		BRL				50
Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	411		BRL				50
Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	411		BRL				50
4-Bromophenyl phenyl ether	BRL		µg/kg dry	411		BRL				50
Butyl benzyl phthalate	BRL		µg/kg dry	411		BRL				50
Carbazole	BRL		µg/kg dry	411		BRL				50
4-Chloro-3-methylphenol	BRL		µg/kg dry	411		BRL				50
4-Chloroaniline	BRL		µg/kg dry	411		BRL				50
2-Chloronaphthalene	BRL		µg/kg dry	411		BRL				50
2-Chlorophenol	BRL		µg/kg dry	411		BRL				50
4-Chlorophenyl phenyl ether	BRL		µg/kg dry	411		BRL				50
Chrysene	BRL		µg/kg dry	411		BRL				50
Dibenzo (a,h) anthracene	BRL		µg/kg dry	411		BRL				50
Dibenzofuran	BRL		µg/kg dry	411		BRL				50
1,2-Dichlorobenzene	BRL		µg/kg dry	411		BRL				50
1,3-Dichlorobenzene	BRL		µg/kg dry	411		BRL				50
1,4-Dichlorobenzene	BRL		µg/kg dry	411		BRL				50

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010768 - SW846 3550B										
Duplicate (9010768-DUP1) **Source: SA89735-02**										
Prepared: 14-Jan-09 Analyzed: 17-Jan-09										
3,3'-Dichlorobenzidine	BRL		µg/kg dry	411		BRL				50
2,4-Dichlorophenol	BRL		µg/kg dry	411		BRL				50
Diethyl phthalate	BRL		µg/kg dry	411		BRL				50
Dimethyl phthalate	BRL		µg/kg dry	411		BRL				50
2,4-Dimethylphenol	BRL		µg/kg dry	411		BRL				50
Di-n-butyl phthalate	BRL		µg/kg dry	411		BRL				50
4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	411		BRL				50
2,4-Dinitrophenol	BRL		µg/kg dry	411		BRL				50
2,4-Dinitrotoluene	BRL		µg/kg dry	411		BRL				50
2,6-Dinitrotoluene	BRL		µg/kg dry	411		BRL				50
Di-n-octyl phthalate	BRL		µg/kg dry	411		BRL				50
Fluoranthene	46.5	J	µg/kg dry	411		BRL				50
Fluorene	BRL		µg/kg dry	411		BRL				50
Hexachlorobenzene	BRL		µg/kg dry	411		BRL				50
Hexachlorobutadiene	BRL		µg/kg dry	411		BRL				50
Hexachlorocyclopentadiene	BRL		µg/kg dry	411		BRL				50
Hexachloroethane	BRL		µg/kg dry	411		BRL				50
Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	411		BRL				50
Isophorone	BRL		µg/kg dry	411		BRL				50
1-Methylnaphthalene	BRL		µg/kg dry	411		BRL				50
2-Methylnaphthalene	BRL		µg/kg dry	411		BRL				50
2-Methylphenol	BRL		µg/kg dry	411		BRL				50
3 & 4-Methylphenol	BRL		µg/kg dry	411		BRL				50
Naphthalene	BRL		µg/kg dry	411		BRL				50
2-Nitroaniline	BRL		µg/kg dry	411		BRL				50
3-Nitroaniline	BRL		µg/kg dry	411		BRL				50
4-Nitroaniline	BRL		µg/kg dry	1640		BRL				50
Nitrobenzene	BRL		µg/kg dry	411		BRL				50
2-Nitrophenol	BRL		µg/kg dry	411		BRL				50
4-Nitrophenol	BRL		µg/kg dry	1640		BRL				50
N-Nitrosodimethylamine	BRL		µg/kg dry	411		BRL				50
N-Nitrosodi-n-propylamine	BRL		µg/kg dry	411		BRL				50
N-Nitrosodiphenylamine	BRL		µg/kg dry	411		BRL				50
Pentachlorophenol	BRL		µg/kg dry	411		BRL				50
Phenanthrene	BRL		µg/kg dry	411		BRL				50
Phenol	BRL		µg/kg dry	411		BRL				50
Pyrene	BRL		µg/kg dry	411		BRL				50
Pyridine	BRL		µg/kg dry	411		BRL				50
1,2,4-Trichlorobenzene	BRL		µg/kg dry	411		BRL				50
2,4,5-Trichlorophenol	BRL		µg/kg dry	411		BRL				50
2,4,6-Trichlorophenol	BRL		µg/kg dry	411		BRL				50
Pentachloronitrobenzene	BRL		µg/kg dry	411		BRL				50
1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	411		BRL				50
Surrogate: 2-Fluorobiphenyl	*1570*		µg/kg dry		*2080*		*76*	*30-130*		
Surrogate: 2-Fluorophenol	*1540*		µg/kg dry		*2080*		*74*	*15-110*		
Surrogate: Nitrobenzene-d5	*1500*		µg/kg dry		*2080*		*72*	*30-130*		
Surrogate: Phenol-d5	*1490*		µg/kg dry		*2080*		*72*	*15-110*		
Surrogate: Terphenyl-dl4	*1530*		µg/kg dry		*2080*		*74*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*1590*		µg/kg dry		*2080*		*77*	*15-110*		

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010768 - SW846 3550B										
Matrix Spike (9010768-MS1) **Source: SA89735-02**										
Prepared: 14-Jan-09 Analyzed: 17-Jan-09										
Acenaphthene	1280		µg/kg dry	205	2070	BRL	62	40-140		
Benzo (b) fluoranthene	1190		µg/kg dry	205	2070	BRL	57	40-140		
Benzo (k) fluoranthene	1430		µg/kg dry	205	2070	BRL	69	40-140		
4-Chloro-3-methylphenol	1250		µg/kg dry	205	2070	BRL	61	30-130		
2-Chlorophenol	1190		µg/kg dry	205	2070	BRL	58	30-130		
Chrysene	1220		µg/kg dry	205	2070	BRL	59	40-140		
1,4-Dichlorobenzene	1110		µg/kg dry	205	2070	BRL	54	40-140		
Indeno (1,2,3-cd) pyrene	1210		µg/kg dry	205	2070	BRL	59	40-140		
Naphthalene	1170		µg/kg dry	205	2070	BRL	57	40-140		
4-Nitrophenol	1390		µg/kg dry	819	2070	BRL	67	30-130		
N-Nitrosodi-n-propylamine	1360		µg/kg dry	205	2070	BRL	66	40-140		
Pentachlorophenol	1530		µg/kg dry	205	2070	BRL	74	30-130		
Phenol	1160		µg/kg dry	205	2070	BRL	56	30-130		
Pyrene	1300		µg/kg dry	205	2070	BRL	63	40-140		
1,2,4-Trichlorobenzene	1140		µg/kg dry	205	2070	BRL	55	40-140		
Surrogate: 2-Fluorobiphenyl	*1180*		µg/kg dry		*2070*		*57*	*30-130*		
Surrogate: 2-Fluorophenol	*1020*		µg/kg dry		*2070*		*49*	*15-110*		
Surrogate: Nitrobenzene-d5	*1100*		µg/kg dry		*2070*		*53*	*30-130*		
Surrogate: Phenol-d5	*975*		µg/kg dry		*2070*		*47*	*15-110*		
Surrogate: Terphenyl-dl4	*1100*		µg/kg dry		*2070*		*53*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*1300*		µg/kg dry		*2070*		*63*	*15-110*		
Matrix Spike Dup (9010768-MSD1) **Source: SA89735-02**										
Prepared: 14-Jan-09 Analyzed: 17-Jan-09										
Acenaphthene	1420		µg/kg dry	206	2080	BRL	68	40-140	10	30
Benzo (b) fluoranthene	1430		µg/kg dry	206	2080	BRL	69	40-140	18	30
Benzo (k) fluoranthene	1460		µg/kg dry	206	2080	BRL	70	40-140	1	30
4-Chloro-3-methylphenol	1380		µg/kg dry	206	2080	BRL	66	30-130	9	30
2-Chlorophenol	1350		µg/kg dry	206	2080	BRL	65	30-130	11	30
Chrysene	1450		µg/kg dry	206	2080	BRL	70	40-140	17	30
1,4-Dichlorobenzene	1240		µg/kg dry	206	2080	BRL	60	40-140	11	30
Indeno (1,2,3-cd) pyrene	1410		µg/kg dry	206	2080	BRL	68	40-140	15	30
Naphthalene	1220		µg/kg dry	206	2080	BRL	59	40-140	4	30
4-Nitrophenol	1490		µg/kg dry	823	2080	BRL	72	30-130	6	30
N-Nitrosodi-n-propylamine	1560		µg/kg dry	206	2080	BRL	75	40-140	13	30
Pentachlorophenol	1770		µg/kg dry	206	2080	BRL	85	30-130	14	30
Phenol	1310		µg/kg dry	206	2080	BRL	63	30-130	12	30
Pyrene	1440		µg/kg dry	206	2080	BRL	69	40-140	10	30
1,2,4-Trichlorobenzene	1190		µg/kg dry	206	2080	BRL	57	40-140	4	30
Surrogate: 2-Fluorobiphenyl	*1270*		µg/kg dry		*2080*		*61*	*30-130*		
Surrogate: 2-Fluorophenol	*1150*		µg/kg dry		*2080*		*55*	*15-110*		
Surrogate: Nitrobenzene-d5	*1160*		µg/kg dry		*2080*		*56*	*30-130*		
Surrogate: Phenol-d5	*1110*		µg/kg dry		*2080*		*53*	*15-110*		
Surrogate: Terphenyl-dl4	*1240*		µg/kg dry		*2080*		*60*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*1460*		µg/kg dry		*2080*		*70*	*15-110*		

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010831 - SW846 3550B										
Blank (9010831-BLK1)										
Prepared: 14-Jan-09 Analyzed: 16-Jan-09										
PCB 1016	BRL		µg/kg wet	20.0						
PCB 1221	BRL		µg/kg wet	20.0						
PCB 1232	BRL		µg/kg wet	20.0						
PCB 1242	BRL		µg/kg wet	20.0						
PCB 1248	BRL		µg/kg wet	20.0						
PCB 1254	BRL		µg/kg wet	20.0						
PCB 1260	BRL		µg/kg wet	20.0						
PCB 1262	BRL		µg/kg wet	20.0						
PCB 1268	BRL		µg/kg wet	20.0						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*22.3*		µg/kg wet		*20.0*		*112*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*24.7*		µg/kg wet		*20.0*		*124*	*30-150*		
LCS (9010831-BS1)										
Prepared: 14-Jan-09 Analyzed: 16-Jan-09										
PCB 1016	294		µg/kg wet	20.0	250		118	40-140		
PCB 1260	293		µg/kg wet	20.0	250		117	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*20.6*		µg/kg wet		*20.0*		*103*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*23.9*		µg/kg wet		*20.0*		*120*	*30-150*		
LCS Dup (9010831-BSD1)										
Prepared: 14-Jan-09 Analyzed: 16-Jan-09										
PCB 1016	289		µg/kg wet	20.0	250		116	40-140	2	30
PCB 1260	269		µg/kg wet	20.0	250		107	40-140	9	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*20.2*		µg/kg wet		*20.0*		*101*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*20.6*		µg/kg wet		*20.0*		*103*	*30-150*		
Duplicate (9010831-DUP1) **Source: SA89727-03**										
Prepared: 14-Jan-09 Analyzed: 16-Jan-09										
PCB 1016	BRL		µg/kg dry	23.9		BRL				40
PCB 1221	BRL		µg/kg dry	23.9		BRL				40
PCB 1232	BRL		µg/kg dry	23.9		BRL				40
PCB 1242	BRL		µg/kg dry	23.9		BRL				40
PCB 1248	BRL		µg/kg dry	23.9		BRL				40
PCB 1254	BRL		µg/kg dry	23.9		BRL				40
PCB 1260	BRL		µg/kg dry	23.9		BRL				40
PCB 1262	BRL		µg/kg dry	23.9		BRL				40
PCB 1268	BRL		µg/kg dry	23.9		BRL				40
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*25.8*		µg/kg dry		*23.9*		*108*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*25.4*		µg/kg dry		*23.9*		*106*	*30-150*		
Matrix Spike (9010831-MS1) **Source: SA89727-03**										
Prepared: 14-Jan-09 Analyzed: 16-Jan-09										
PCB 1016	377		µg/kg dry	24.7	308	BRL	122	40-140		
PCB 1260	339		µg/kg dry	24.7	308	BRL	110	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*27.1*		µg/kg dry		*24.6*		*110*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*24.6*		µg/kg dry		*24.6*		*100*	*30-150*		
Matrix Spike Dup (9010831-MSD1) **Source: SA89727-03**										
Prepared: 14-Jan-09 Analyzed: 16-Jan-09										
PCB 1016	399		µg/kg dry	25.5	318	BRL	125	40-140	2	50
PCB 1260	331		µg/kg dry	25.5	318	BRL	104	40-140	6	50
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*29.2*		µg/kg dry		*25.5*		*114*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*26.5*		µg/kg dry		*25.5*		*104*	*30-150*		
Batch 9010861 - SW846 3550B										

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010861 - SW846 3550B										
Blank (9010861-BLK1)										
Prepared: 15-Jan-09 Analyzed: 16-Jan-09										
2,4,5-T	BRL		µg/kg wet	6.70						
2,4,5-T [2C]	BRL		µg/kg wet	6.70						
2,4,5-TP (Silvex)	BRL		µg/kg wet	6.70						
2,4,5-TP (Silvex) [2C]	BRL		µg/kg wet	6.70						
2,4-D	BRL		µg/kg wet	6.70						
2,4-D [2C]	BRL		µg/kg wet	6.70						
2,4-DB	BRL		µg/kg wet	6.70						
2,4-DB [2C]	BRL		µg/kg wet	6.70						
Dalapon	BRL		µg/kg wet	6.70						
Dalapon [2C]	BRL		µg/kg wet	6.70						
Dicamba	BRL		µg/kg wet	6.70						
Dicamba [2C]	BRL		µg/kg wet	6.70						
Dichlorprop	BRL		µg/kg wet	6.70						
Dichlorprop [2C]	BRL		µg/kg wet	6.70						
Dinoseb	BRL		µg/kg wet	6.70						
Dinoseb [2C]	BRL		µg/kg wet	6.70						
MCPA	BRL		µg/kg wet	670						
MCPA [2C]	BRL		µg/kg wet	670						
MCPB	BRL		µg/kg wet	670						
MCPB [2C]	BRL		µg/kg wet	670						
MCPP	BRL		µg/kg wet	670						
MCPP [2C]	BRL		µg/kg wet	670						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*11.2*		µg/kg wet		*13.3*		*84*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [	*10.5*		µg/kg wet		*13.3*		*79*	*30-150*		
LCS (9010861-BS1)										
Prepared: 15-Jan-09 Analyzed: 16-Jan-09										
2,4,5-T	26.7		µg/kg wet	6.70	33.3		80	40-140		
2,4,5-T [2C]	28.8		µg/kg wet	6.70	33.3		86	40-140		
2,4,5-TP (Silvex)	27.9		µg/kg wet	6.70	33.3		84	40-140		
2,4,5-TP (Silvex) [2C]	28.7		µg/kg wet	6.70	33.3		86	40-140		
2,4-D	26.7		µg/kg wet	6.70	33.3		80	40-140		
2,4-D [2C]	27.7		µg/kg wet	6.70	33.3		83	40-140		
2,4-DB	29.8		µg/kg wet	6.70	33.3		89	40-140		
2,4-DB [2C]	29.9		µg/kg wet	6.70	33.3		90	40-140		
Dalapon	22.9		µg/kg wet	6.70	33.3		69	40-140		
Dalapon [2C]	20.4		µg/kg wet	6.70	33.3		61	40-140		
Dicamba	27.7		µg/kg wet	6.70	33.3		83	40-140		
Dicamba [2C]	28.1		µg/kg wet	6.70	33.3		84	40-140		
Dichlorprop	30.0		µg/kg wet	6.70	33.3		90	40-140		
Dichlorprop [2C]	30.7		µg/kg wet	6.70	33.3		92	40-140		
Dinoseb	27.9		µg/kg wet	6.70	33.3		84	40-140		
Dinoseb [2C]	28.5		µg/kg wet	6.70	33.3		85	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*10.3*		µg/kg wet		*13.3*		*77*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [	*10.7*		µg/kg wet		*13.3*		*80*	*30-150*		
LCS (9010861-BS2)										
Prepared: 15-Jan-09 Analyzed: 17-Jan-09										
MCPA	8730		µg/kg wet	670	10000		87	40-140		
MCPA [2C]	8470		µg/kg wet	670	10000		85	40-140		
MCPB	9270		µg/kg wet	670	10000		93	40-140		

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010861 - SW846 3550B										
LCS (9010861-BS2)										
Prepared: 15-Jan-09 Analyzed: 17-Jan-09										
MCPB [2C]	9270		µg/kg wet	670	10000		93	40-140		
MCPP	9330		µg/kg wet	670	10000		93	40-140		
MCPP [2C]	9670		µg/kg wet	670	10000		97	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*10.3*		µg/kg wet		*13.3*		*77*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [:	*9.93*		µg/kg wet		*13.3*		*75*	*30-150*		
LCS Dup (9010861-BSD1)										
Prepared: 15-Jan-09 Analyzed: 17-Jan-09										
2,4,5-T	27.3		µg/kg wet	6.70	33.3		82	40-140	2	25
2,4,5-T [2C]	30.1		µg/kg wet	6.70	33.3		90	40-140	5	25
2,4,5-TP (Silvex)	28.4		µg/kg wet	6.70	33.3		85	40-140	2	25
2,4,5-TP (Silvex) [2C]	30.1		µg/kg wet	6.70	33.3		90	40-140	5	25
2,4-D	28.1		µg/kg wet	6.70	33.3		84	40-140	5	25
2,4-D [2C]	27.6		µg/kg wet	6.70	33.3		83	40-140	0.2	25
2,4-DB	30.1		µg/kg wet	6.70	33.3		90	40-140	1	25
2,4-DB [2C]	31.3		µg/kg wet	6.70	33.3		94	40-140	5	25
Dalapon	22.2		µg/kg wet	6.70	33.3		67	40-140	3	25
Dalapon [2C]	21.9		µg/kg wet	6.70	33.3		66	40-140	7	25
Dicamba	27.7		µg/kg wet	6.70	33.3		83	40-140	0.2	25
Dicamba [2C]	28.7		µg/kg wet	6.70	33.3		86	40-140	2	25
Dichlorprop	31.7		µg/kg wet	6.70	33.3		95	40-140	6	25
Dichlorprop [2C]	31.3		µg/kg wet	6.70	33.3		94	40-140	2	25
Dinoseb	27.9		µg/kg wet	6.70	33.3		84	40-140	0.2	25
Dinoseb [2C]	29.1		µg/kg wet	6.70	33.3		87	40-140	2	25
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*10.2*		µg/kg wet		*13.3*		*77*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [:	*11.1*		µg/kg wet		*13.3*		*83*	*30-150*		
LCS Dup (9010861-BSD2)										
Prepared: 15-Jan-09 Analyzed: 17-Jan-09										
MCPA	9000		µg/kg wet	670	10000		90	40-140	3	25
MCPA [2C]	8930		µg/kg wet	670	10000		89	40-140	5	25
MCPB	9730		µg/kg wet	670	10000		97	40-140	5	25
MCPB [2C]	9730		µg/kg wet	670	10000		97	40-140	5	25
MCPP	9600		µg/kg wet	670	10000		96	40-140	3	25
MCPP [2C]	10100		µg/kg wet	670	10000		101	40-140	4	25
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*10.4*		µg/kg wet		*13.3*		*78*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [:	*10.4*		µg/kg wet		*13.3*		*78*	*30-150*		
Duplicate (9010861-DUP1) **Source: SA89735-01**										
Prepared: 15-Jan-09 Analyzed: 17-Jan-09										
2,4,5-T	BRL		µg/kg dry	6.70		BRL				30
2,4,5-T [2C]	BRL		µg/kg dry	6.70		BRL				30
2,4,5-TP (Silvex)	BRL		µg/kg dry	6.70		BRL				30
2,4,5-TP (Silvex) [2C]	BRL		µg/kg dry	6.70		BRL				30
2,4-D	BRL		µg/kg dry	6.70		BRL				30
2,4-D [2C]	BRL		µg/kg dry	6.70		BRL				30
2,4-DB	BRL		µg/kg dry	6.70		BRL				30
2,4-DB [2C]	BRL		µg/kg dry	6.70		BRL				30
Dalapon	BRL		µg/kg dry	6.70		BRL				30
Dalapon [2C]	BRL		µg/kg dry	6.70		BRL				30
Dicamba	BRL		µg/kg dry	6.70		BRL				30
Dicamba [2C]	BRL		µg/kg dry	6.70		BRL				30

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010861 - SW846 3550B										
Duplicate (9010861-DUP1) **Source: SA89735-01**										
Prepared: 15-Jan-09 Analyzed: 17-Jan-09										
Dichlorprop	BRL		µg/kg dry	6.70		BRL				30
Dichlorprop [2C]	BRL		µg/kg dry	6.70		BRL				30
Dinoseb	BRL		µg/kg dry	6.70		BRL				30
Dinoseb [2C]	BRL		µg/kg dry	6.70		BRL				30
MCPA	BRL		µg/kg dry	670		BRL				30
MCPA [2C]	BRL		µg/kg dry	670		BRL				30
MCPB	BRL		µg/kg dry	670		BRL				30
MCPB [2C]	BRL		µg/kg dry	670		BRL				30
MCPP	BRL		µg/kg dry	670		BRL				30
MCPP [2C]	BRL		µg/kg dry	670		BRL				30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*15.1*		µg/kg dry		*16.4*		*92*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [:	*12.8*		µg/kg dry		*16.4*		*78*	*30-150*		

Extractable Petroleum Hydrocarbons - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010767 - SW846 3550B										
Blank (9010767-BLK1)										
Prepared: 14-Jan-09 Analyzed: 15-Jan-09										
Gasoline	BRL		mg/kg wet	13.3						
Fuel Oil #2	BRL		mg/kg wet	13.3						
Fuel Oil #4	BRL		mg/kg wet	13.3						
Fuel Oil #6	BRL		mg/kg wet	13.3						
Motor Oil	BRL		mg/kg wet	13.3						
Aviation Fuel	BRL		mg/kg wet	13.3						
Unidentified	BRL		mg/kg wet	13.3						
Other Oil	BRL		mg/kg wet	13.3						
Total Petroleum Hydrocarbons	BRL		mg/kg wet	13.3						
C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg wet	13.3						
Surrogate: 1-Chlorooctadecane	*2.80*		mg/kg wet		*3.33*		*84*	*50-150*		
LCS (9010767-BS1)										
Prepared: 14-Jan-09 Analyzed: 15-Jan-09										
C9-C36 Aliphatic Hydrocarbons	80.3		mg/kg wet	13.3	93.3		86	60-120		
Surrogate: 1-Chlorooctadecane	*2.52*		mg/kg wet		*3.33*		*76*	*50-150*		
Duplicate (9010767-DUP1) **Source: SA89735-02**										
Prepared: 14-Jan-09 Analyzed: 15-Jan-09										
Gasoline	BRL		mg/kg dry	16.6		BRL				50
Fuel Oil #2	BRL		mg/kg dry	16.6		BRL				50
Fuel Oil #4	BRL		mg/kg dry	16.6		BRL				50
Fuel Oil #6	BRL		mg/kg dry	16.6		BRL				50
Motor Oil	BRL		mg/kg dry	16.6		BRL				50
Aviation Fuel	BRL		mg/kg dry	16.6		BRL				50
Unidentified	BRL		mg/kg dry	16.6		BRL				50
Other Oil	BRL		mg/kg dry	16.6		BRL				50
Total Petroleum Hydrocarbons	BRL		mg/kg dry	16.6		BRL				50
C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	16.6		BRL				50
Surrogate: 1-Chlorooctadecane	*2.03*		mg/kg dry		*2.08*		*98*	*50-150*		
Matrix Spike (9010767-MS1) **Source: SA89735-02**										
Prepared: 14-Jan-09 Analyzed: 15-Jan-09										
C9-C36 Aliphatic Hydrocarbons	95.3		mg/kg dry	16.1	113	BRL	84	50-150		
Surrogate: 1-Chlorooctadecane	*3.10*		mg/kg dry		*4.04*		*77*	*50-150*		
Matrix Spike Dup (9010767-MSD1) **Source: SA89735-02**										
Prepared: 14-Jan-09 Analyzed: 15-Jan-09										
C9-C36 Aliphatic Hydrocarbons	93.8		mg/kg dry	16.5	116	BRL	81	50-150	4	30
Surrogate: 1-Chlorooctadecane	*3.12*		mg/kg dry		*4.14*		*75*	*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 9010706 - SW846 3050B										
Blank (9010706-BLK1)										
Prepared: 16-Jan-09 Analyzed: 19-Jan-09										
Lead	BRL		mg/kg wet	1.33						
Selenium	BRL		mg/kg wet	1.33						
Chromium	BRL		mg/kg wet	0.888						
Silver	BRL		mg/kg wet	1.33						
Cadmium	BRL		mg/kg wet	0.444						
Arsenic	BRL		mg/kg wet	1.33						
Barium	BRL		mg/kg wet	0.888						
Duplicate (9010706-DUP1) **Source: SA89735-01**										
Prepared: 16-Jan-09 Analyzed: 19-Jan-09										
Lead	7.31		mg/kg dry	1.65		6.71			8	20
Selenium	BRL		mg/kg dry	1.65		BRL				20
Silver	BRL		mg/kg dry	1.65		BRL				20
Chromium	16.2		mg/kg dry	1.10		14.6			11	20
Cadmium	0.236	J	mg/kg dry	0.550		0.220			7	20
Arsenic	0.995	J	mg/kg dry	1.65		0.832			18	20
Barium	40.9		mg/kg dry	1.10		40.6			0.7	20
Matrix Spike (9010706-MS1) **Source: SA89897-02**										
Prepared: 16-Jan-09 Analyzed: 19-Jan-09										
Selenium	125		mg/kg dry	1.56	130	BRL	96	75-125		
Lead	125		mg/kg dry	1.56	130	5.44	92	75-125		
Chromium	136		mg/kg dry	1.04	130	9.06	98	75-125		
Cadmium	128		mg/kg dry	0.520	130	0.378	98	75-125		
Arsenic	127		mg/kg dry	1.56	130	0.901	97	75-125		
Silver	121		mg/kg dry	1.56	130	BRL	93	75-125		
Barium	148		mg/kg dry	1.04	130	25.1	94	75-125		
Matrix Spike Dup (9010706-MSD1) **Source: SA89897-02**										
Prepared: 16-Jan-09 Analyzed: 19-Jan-09										
Lead	127		mg/kg dry	1.58	132	5.44	92	75-125	2	20
Selenium	126		mg/kg dry	1.58	132	BRL	95	75-125	1	20
Chromium	139		mg/kg dry	1.06	132	9.06	99	75-125	2	20
Arsenic	128		mg/kg dry	1.58	132	0.901	97	75-125	1	20
Silver	124		mg/kg dry	1.58	132	BRL	94	75-125	3	20
Cadmium	129		mg/kg dry	0.528	132	0.378	98	75-125	1	20
Barium	154		mg/kg dry	1.06	132	25.1	98	75-125	4	20
Post Spike (9010706-PS1) **Source: SA89897-02**										
Prepared: 16-Jan-09 Analyzed: 19-Jan-09										
Lead	72.0		mg/kg dry	1.46	60.8	5.44	109	80-120		
Selenium	70.7		mg/kg dry	1.46	60.8	BRL	116	80-120		
Silver	71.2		mg/kg dry	1.46	60.8	BRL	117	80-120		
Cadmium	73.0		mg/kg dry	0.487	60.8	0.378	119	80-120		
Chromium	77.7		mg/kg dry	0.973	60.8	9.06	113	80-120		
Arsenic	73.9		mg/kg dry	1.46	60.8	0.901	120	80-120		
Barium	81.1		mg/kg dry	0.973	60.8	25.1	92	80-120		
Reference (9010706-SRM1)										
Prepared: 16-Jan-09 Analyzed: 19-Jan-09										
Lead	40.7		mg/kg wet	1.50	44.5		92	78.8-120.9		
Selenium	141		mg/kg wet	1.50	148		95	76.6-123.1		

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

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010706 - SW846 3050B										
Reference (9010706-SRM1)										
Prepared: 16-Jan-09 Analyzed: 19-Jan-09										
Chromium	115		mg/kg wet	1.00	122		95	79.7-120.3		
Silver	14.9		mg/kg wet	1.50	15.6		95	66.4-133.6		
Arsenic	51.4		mg/kg wet	1.50	53.8		95	77.6-123.1		
Cadmium	29.5		mg/kg wet	0.500	31.4		94	80.9-119.3		
Barium	104		mg/kg wet	1.00	102		102	79.8-119.7		
Reference (9010706-SRM2)										
Prepared: 16-Jan-09 Analyzed: 19-Jan-09										
Selenium	144		mg/kg wet	1.50	148		97	76.6-123.1		
Lead	45.3		mg/kg wet	1.50	44.5		102	78.8-120.9		
Cadmium	30.3		mg/kg wet	0.500	31.4		97	80.9-119.3		
Arsenic	52.8		mg/kg wet	1.50	53.8		98	77.6-123.1		
Chromium	122		mg/kg wet	1.00	122		100	79.7-120.3		
Silver	15.4		mg/kg wet	1.50	15.6		99	66.4-133.6		
Barium	100		mg/kg wet	1.00	102		98	79.8-119.7		
Batch 9010707 - EPA200/SW7000 Series										
Blank (9010707-BLK1)										
Prepared: 16-Jan-09 Analyzed: 19-Jan-09										
Mercury	BRL		mg/kg wet	0.0296						
Duplicate (9010707-DUP1) **Source: SA89735-01**										
Prepared: 16-Jan-09 Analyzed: 19-Jan-09										
Mercury	0.0169	J,QR8	mg/kg dry	0.0361		0.0078			73	20
Matrix Spike (9010707-MS1) **Source: SA89897-02**										
Prepared: 16-Jan-09 Analyzed: 19-Jan-09										
Mercury	0.479		mg/kg dry	0.0277	0.384	0.0192	120	75-125		
Matrix Spike Dup (9010707-MSD1) **Source: SA89897-02**										
Prepared: 16-Jan-09 Analyzed: 19-Jan-09										
Mercury	0.449		mg/kg dry	0.0275	0.382	0.0192	113	75-125	7	20
Reference (9010707-SRM1)										
Prepared: 16-Jan-09 Analyzed: 19-Jan-09										
Mercury	2.39		mg/kg wet	0.0300	2.25		106	71.7-128.8		

General Chemistry Parameters - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010935 - General Preparation										
Duplicate (9010935-DUP2) **Source: SA89614-10**										
Prepared & Analyzed: 15-Jan-09										
% Solids	90.5		%			90.5			0.008	20

Notes and Definitions

QC1	Analyte out of acceptance range.
QC2	Analyte out of acceptance range in QC spike but no reportable concentration present in sample.
QR2	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
QR5	RPD out of acceptance range.
QR8	Analyses are not controlled on RPD values from sample concentrations that are less than 5 times the reporting level. The batch is accepted based upon the difference between the sample and duplicate is less than or equal to the reporting limit.
BRL	Below Reporting Limit - Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference
J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).

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

Interpretation of Total Petroleum Hydrocarbon Report

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

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

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

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

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

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

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

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

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

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

Validated by:
Hanibal C. Tayeh, Ph.D.
Nicole Leja
Rebecca Merz

8A 89735

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

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

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

Project Mgr.: David Brassard

Invoice To: DAS # 44236

P.O. No.: _____ RQN: _____

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

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

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

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic		VOC 8260	SVOC 8270	CT ETPH	PCB 8080	Herbicides 8151	Total RCRA 8 Metals			
89735-01	RSB-C27	1/12/09	1340	G	SO	7	3	2				X	X	X	X	X	X			
-02	RSB-C28	↓	1230	↓	↓	↓	↓	↓				↓	↓	↓	↓	↓	↓			
-03	RSB-C29	↓	1045	↓	↓	↓	↓	↓				↓	↓	↓	↓	↓	↓			

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

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

State specific reporting standards: CT

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

Condition upon receipt: ☐ Iced ☐ Ambient ☑ C 11.45

Relinquished by:	Received by:	Date:	Time:
Patrick dePaula	Bergeron	1-13-09	9:22 AM
Bergeron	[illegible]	1/13/09	1049

Ref

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

Report Date:
11-Feb-09 17:40

☐ Final Report
☐ Re-Issued Report
☑ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

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

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

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SA89727-01	RSB-C37	Soil	09-Jan-09 08:45	12-Jan-09 13:00
SA89727-02	RSB-C36	Soil	09-Jan-09 09:30	12-Jan-09 13:00
SA89727-03	RSB-C35	Soil	09-Jan-09 10:00	12-Jan-09 13:00
SA89727-04	RSB-C34	Soil	09-Jan-09 10:45	12-Jan-09 13:00
SA89727-05	RSB-C33	Soil	09-Jan-09 11:30	12-Jan-09 13:00
SA89727-06	RSB-C32	Soil	09-Jan-09 12:45	12-Jan-09 13:00
SA89727-07	RSB-C31	Soil	09-Jan-09 13:15	12-Jan-09 13:00
SA89727-08	RSB-30	Soil	09-Jan-09 13:50	12-Jan-09 13:00

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

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

Authorized by:

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

Technical Reviewer's Initial:

Spectrum Analytical holds certification in the State of New York for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of New York does not offer certification for all analytes.
Please note that this report contains 74 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supercedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report is available upon request. This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

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

Please contact the Laboratory or Technical Director at 800-789-9115 with any questions regarding the data contained in this laboratory report.

CASE NARRATIVE:

The samples were received 3.9 degrees Celsius, please refer to the Chain of Custody for details specific to temperature upon receipt. An infrared thermometer with a tolerance of +/- 2.0 degrees Celsius was used immediately upon receipt of the samples.

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

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

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

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

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

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

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

SW846 1312/6010B

Duplicates:

9011251-DUP1 *Source: SA89650-05*

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

Arsenic
Barium

SW846 6010B

SW846 6010B

Spikes:

9010634-MS1 *Source: SA89727-02*

The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte inherent in the sample.

Barium
Lead

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

Silver

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

Chromium

9010634-MSD1 *Source: SA89727-02*

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

Chromium

The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte inherent in the sample.

Barium
Lead

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

Silver

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

Chromium

9010634-PS1 *Source: SA89727-02*

The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte inherent in the sample.

Barium
Lead

Duplicates:

9010634-DUP1 *Source: SA89692-03*

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

Barium
Chromium

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

Lead

SW846 7471A

SW846 7471A

Spikes:

9010635-MSD1 *Source: SA89727-02*

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

Mercury

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

Mercury

SW846 8260B

Laboratory Control Samples:

9010690-BSD1

Analyte out of acceptance range.

Chloromethane

RPD out of acceptance range.

Chloromethane

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

Acrylonitrile
Ethanol
Tert-Butanol / butyl alcohol
Vinyl chloride

Samples:

SA89727-04 *RSB-C34*

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

SW846 8270C

Laboratory Control Samples:

9010768-BS1

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

Aniline

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C37 SA89727-01	127-17797-08011	Soil	09-Jan-09 08:45	12-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	13-Jan-09	13-Jan-09	9010735	
Volatile Organic Compounds						Initial weight: 12.2 g					
Prepared by method SW846 5030 Soil (high level)											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	79.9	50	SW846 8260B	15-Jan-09	15-Jan-09	9010889	X
67-64-1	Acetone	BRL		µg/kg dry	799	50	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	79.9	50	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	79.9	50	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	79.9	50	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	79.9	50	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	79.9	50	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	79.9	50	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	160	50	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	799	50	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	79.9	50	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	79.9	50	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	79.9	50	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	400	50	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	79.9	50	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	79.9	50	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	160	50	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	79.9	50	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	160	50	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	79.9	50	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	79.9	50	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	160	50	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	79.9	50	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	79.9	50	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	79.9	50	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	79.9	50	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	79.9	50	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	79.9	50	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	160	50	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	79.9	50	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	79.9	50	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	79.9	50	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	79.9	50	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	79.9	50	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	79.9	50	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	79.9	50	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	79.9	50	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	79.9	50	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	79.9	50	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	79.9	50	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	79.9	50	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	79.9	50	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	799	50	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	79.9	50	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	79.9	50	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	79.9	50	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	799	50	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	799	50	"	"	"	"	X
91-20-3	Naphthalene	213		µg/kg dry	79.9	50	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C37 SA89727-01	127-17797-08011	Soil	09-Jan-09 08:45	12-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
Volatile Organic Compounds											
Prepared by method SW846 5030 Soil (high level)						Initial weight: 12.2 g					
103-65-1	n-Propylbenzene	BRL		µg/kg dry	79.9	50	SW846 8260B	15-Jan-09	15-Jan-09	9010889	X
100-42-5	Styrene	BRL		µg/kg dry	79.9	50	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	79.9	50	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	79.9	50	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	79.9	50	"	"	"	"	X
108-88-3	Toluene	110		µg/kg dry	79.9	50	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	79.9	50	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	79.9	50	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	79.9	50	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	79.9	50	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	79.9	50	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	79.9	50	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	79.9	50	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	79.9	50	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	79.9	50	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	79.9	50	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	79.9	50	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	160	50	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	79.9	50	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	799	50	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	79.9	50	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	79.9	50	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	79.9	50	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	79.9	50	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	799	50	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	1600	50	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	400	50	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	32000	50	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*91*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*93*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*106*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*101*		*70-130 %*			"	"	"	"	
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
83-32-9	Acenaphthene	BRL		µg/kg dry	381	1	SW846 8270C	14-Jan-09	17-Jan-09	9010768	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	381	1	"	"	"	"	X
62-53-3	Aniline	BRL		µg/kg dry	381	1	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	381	1	"	"	"	"	X
1912-24-9	Atrazine	BRL		µg/kg dry	381	1	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/kg dry	381	1	"	"	"	"	
92-87-5	Benzidine	BRL		µg/kg dry	381	1	"	"	"	"	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	381	1	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	381	1	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	381	1	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	381	1	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	381	1	"	"	"	"	X
65-85-0	Benzoic acid	BRL		µg/kg dry	381	1	"	"	"	"	X
100-51-6	Benzyl alcohol	BRL		µg/kg dry	381	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C37 SA89727-01	127-17797-08011	Soil	09-Jan-09 08:45	12-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
111-91-1	Bis(2-chloroethoxy)methane	BRL		µg/kg dry	381	1	SW846 8270C	14-Jan-09	17-Jan-09	9010768	X
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/kg dry	381	1	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	381	1	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	381	1	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/kg dry	381	1	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	BRL		µg/kg dry	381	1	"	"	"	"	X
86-74-8	Carbazole	BRL		µg/kg dry	381	1	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	BRL		µg/kg dry	381	1	"	"	"	"	X
106-47-8	4-Chloroaniline	BRL		µg/kg dry	381	1	"	"	"	"	X
91-58-7	2-Chloronaphthalene	BRL		µg/kg dry	381	1	"	"	"	"	X
95-57-8	2-Chlorophenol	BRL		µg/kg dry	381	1	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/kg dry	381	1	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	381	1	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	381	1	"	"	"	"	X
132-64-9	Dibenzofuran	BRL		µg/kg dry	381	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	381	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	381	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	381	1	"	"	"	"	X
91-94-1	3,3'-Dichlorobenzidine	BRL		µg/kg dry	381	1	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	BRL		µg/kg dry	381	1	"	"	"	"	X
84-66-2	Diethyl phthalate	BRL		µg/kg dry	381	1	"	"	"	"	X
131-11-3	Dimethyl phthalate	BRL		µg/kg dry	381	1	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	BRL		µg/kg dry	381	1	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	BRL		µg/kg dry	381	1	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	381	1	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	BRL		µg/kg dry	381	1	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	BRL		µg/kg dry	381	1	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	BRL		µg/kg dry	381	1	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	BRL		µg/kg dry	381	1	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	381	1	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	381	1	"	"	"	"	X
118-74-1	Hexachlorobenzene	BRL		µg/kg dry	381	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	381	1	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	BRL		µg/kg dry	381	1	"	"	"	"	X
67-72-1	Hexachloroethane	BRL		µg/kg dry	381	1	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	381	1	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	381	1	"	"	"	"	
78-59-1	Isophorone	BRL		µg/kg dry	381	1	"	"	"	"	X
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	381	1	"	"	"	"	X
95-48-7	2-Methylphenol	BRL		µg/kg dry	381	1	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	BRL		µg/kg dry	381	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	381	1	"	"	"	"	X
88-74-4	2-Nitroaniline	BRL		µg/kg dry	381	1	"	"	"	"	X
99-09-2	3-Nitroaniline	BRL		µg/kg dry	381	1	"	"	"	"	X
100-01-6	4-Nitroaniline	BRL		µg/kg dry	1520	1	"	"	"	"	X
98-95-3	Nitrobenzene	BRL		µg/kg dry	381	1	"	"	"	"	X
88-75-5	2-Nitrophenol	BRL		µg/kg dry	381	1	"	"	"	"	X
100-02-7	4-Nitrophenol	BRL		µg/kg dry	1520	1	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	BRL		µg/kg dry	381	1	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/kg dry	381	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C37 SA89727-01	127-17797-08011	Soil	09-Jan-09 08:45	12-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
86-30-6	N-Nitrosodiphenylamine	BRL		µg/kg dry	381	1	SW846 8270C	14-Jan-09	17-Jan-09	9010768	X
87-86-5	Pentachlorophenol	BRL		µg/kg dry	381	1	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	381	1	"	"	"	"	X
108-95-2	Phenol	BRL		µg/kg dry	381	1	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	381	1	"	"	"	"	X
110-86-1	Pyridine	BRL		µg/kg dry	381	1	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	381	1	"	"	"	"	X
95-95-4	2,4,5-Trichlorophenol	BRL		µg/kg dry	381	1	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	BRL		µg/kg dry	381	1	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	BRL		µg/kg dry	381	1	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	381	1	"	"	"	"	X
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*75*		*30-130 %*			"	"	"	"	
367-12-4	*2-Fluorophenol*	*75*		*15-110 %*			"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*74*		*30-130 %*			"	"	"	"	
4165-62-2	*Phenol-d5*	*74*		*15-110 %*			"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*72*		*30-130 %*			"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*81*		*15-110 %*			"	"	"	"	
Semivolatile Organic Compounds by GC											
Polychlorinated Biphenyls by SW846 8082											
Prepared by method SW846 3550B											
12674-11-2	PCB 1016	BRL		µg/kg dry	22.4	1	SW846 8082	14-Jan-09	16-Jan-09	9010831	X
11104-28-2	PCB 1221	BRL		µg/kg dry	22.4	1	"	"	"	"	X
11141-16-5	PCB 1232	BRL		µg/kg dry	22.4	1	"	"	"	"	X
53469-21-9	PCB 1242	BRL		µg/kg dry	22.4	1	"	"	"	"	X
12672-29-6	PCB 1248	BRL		µg/kg dry	22.4	1	"	"	"	"	X
11097-69-1	PCB 1254	BRL		µg/kg dry	22.4	1	"	"	"	"	X
11096-82-5	PCB 1260	BRL		µg/kg dry	22.4	1	"	"	"	"	X
37324-23-5	PCB 1262	BRL		µg/kg dry	22.4	1	"	"	"	"	X
11100-14-4	PCB 1268	BRL		µg/kg dry	22.4	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*126*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*112*		*30-150 %*			"	"	"	"	
Chlorinated Herbicides by SW846 8151A											
Prepared by method SW846 3550B											
93-76-5	2,4,5-T	BRL		µg/kg dry	6.70	1	SW846 8151A	14-Jan-09	15-Jan-09	9010811	X
93-72-1	2,4,5-TP (Silvex)	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-75-7	2,4-D	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-82-6	2,4-DB	BRL		µg/kg dry	6.70	1	"	"	"	"	X
75-99-0	Dalapon	BRL		µg/kg dry	6.70	1	"	"	"	"	X
1918-00-9	Dicamba	BRL		µg/kg dry	6.70	1	"	"	"	"	X
120-36-5	Dichlorprop	BRL		µg/kg dry	6.70	1	"	"	"	"	X
88-85-7	Dinoseb	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-74-6	MCPA	BRL		µg/kg dry	670	1	"	"	"	"	X
94-81-5	MCPB	BRL		µg/kg dry	670	1	"	"	"	"	
93-65-2	MCPP	BRL		µg/kg dry	670	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*89*		*30-150 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C37 SA89727-01	127-17797-08011	Soil	09-Jan-09 08:45	12-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3550B											
8006-61-9	Gasoline	BRL		mg/kg dry	15.3	1	+CT ETPH	14-Jan-09	15-Jan-09	9010767	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	15.3	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	15.3	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	15.3	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	15.3	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	15.3	1	"	"	"	"	
	Unidentified	BRL		mg/kg dry	15.3	1	"	"	"	"	
	Other Oil	BRL		mg/kg dry	15.3	1	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL		mg/kg dry	15.3	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	15.3	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*93*		*50-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	BRL		mg/kg dry	1.51	1	SW846 6010B	15-Jan-09	16-Jan-09	9010634	X
7440-38-2	Arsenic	1.95		mg/kg dry	1.51	1	"	"	"	"	X
7440-39-3	Barium	31.4		mg/kg dry	1.00	1	"	"	"	"	X
7440-43-9	Cadmium	BRL		mg/kg dry	0.502	1	"	"	"	"	X
7440-47-3	Chromium	6.95		mg/kg dry	1.00	1	"	"	"	"	X
7439-97-6	Mercury	BRL		mg/kg dry	0.0305	1	SW846 7471A	13-Jan-09	16-Jan-09	9010635	X
7439-92-1	Lead	21.8		mg/kg dry	1.51	1	SW846 6010B	15-Jan-09	16-Jan-09	9010634	X
7782-49-2	Selenium	BRL		mg/kg dry	1.51	1	"	"	"	"	X
General Chemistry Parameters											
	% Solids	85.8		%		1	SM2540 G Mod.	14-Jan-09	14-Jan-09	9010819	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C36 SA89727-02	127-17797-08011	Soil	09-Jan-09 09:30	12-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	13-Jan-09	13-Jan-09	9010735	
Volatile Organic Compounds											
Prepared by method SW846 5035A Soil (low level)						Initial weight: 3.82 g					
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	10.1	1	SW846 8260B	13-Jan-09	13-Jan-09	9010690	X
67-64-1	Acetone	BRL		µg/kg dry	101	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	10.1	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	10.1	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	10.1	1	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	10.1	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	10.1	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	10.1	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	20.3	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	101	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	10.1	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	10.1	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	10.1	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	50.7	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	10.1	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	10.1	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	20.3	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	10.1	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	20.3	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	10.1	1	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	10.1	1	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	20.3	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	10.1	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	10.1	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	10.1	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	10.1	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	10.1	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	10.1	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	20.3	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	10.1	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	10.1	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	10.1	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	10.1	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	10.1	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	10.1	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	10.1	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	10.1	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	10.1	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	10.1	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	10.1	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	10.1	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	10.1	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	101	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	10.1	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	10.1	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	10.1	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	101	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	101	1	"	"	"	"	X
91-20-3	Naphthalene	10.3		µg/kg dry	10.1	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C36 SA89727-02	127-17797-08011	Soil	09-Jan-09 09:30	12-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
Volatile Organic Compounds						Initial weight: 3.82 g					
Prepared by method SW846 5035A Soil (low level)											
103-65-1	n-Propylbenzene	BRL		µg/kg dry	10.1	1	SW846 8260B	13-Jan-09	13-Jan-09	9010690	X
100-42-5	Styrene	BRL		µg/kg dry	10.1	1	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	10.1	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	10.1	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	10.1	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	10.1	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	10.1	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	10.1	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	10.1	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	10.1	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	10.1	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	10.1	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	10.1	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	10.1	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	10.1	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	10.1	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	10.1	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	20.3	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	10.1	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	101	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	10.1	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	10.1	1	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	10.1	1	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	10.1	1	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	101	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	203	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	50.7	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	4050	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*84*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*92*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*120*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*104*		*70-130 %*			"	"	"	"	
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
83-32-9	Acenaphthene	4,770		µg/kg dry	2160	5	SW846 8270C	14-Jan-09	17-Jan-09	9010768	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	2160	5	"	"	"	"	X
62-53-3	Aniline	BRL		µg/kg dry	2160	5	"	"	"	"	X
120-12-7	Anthracene	8,900		µg/kg dry	2160	5	"	"	"	"	X
1912-24-9	Atrazine	BRL		µg/kg dry	2160	5	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/kg dry	2160	5	"	"	"	"	
92-87-5	Benzidine	BRL		µg/kg dry	2160	5	"	"	"	"	X
56-55-3	Benzo (a) anthracene	17,500		µg/kg dry	2160	5	"	"	"	"	X
50-32-8	Benzo (a) pyrene	17,200		µg/kg dry	2160	5	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	15,100		µg/kg dry	2160	5	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	9,250		µg/kg dry	2160	5	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	15,000		µg/kg dry	2160	5	"	"	"	"	X
65-85-0	Benzoic acid	BRL		µg/kg dry	2160	5	"	"	"	"	X
100-51-6	Benzyl alcohol	BRL		µg/kg dry	2160	5	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C36	127-17797-08011	Soil	09-Jan-09 09:30	12-Jan-09
SA89727-02				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
111-91-1	Bis(2-chloroethoxy)methane	BRL		µg/kg dry	2160	5	SW846 8270C	14-Jan-09	17-Jan-09	9010768	X
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/kg dry	2160	5	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	2160	5	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	2160	5	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/kg dry	2160	5	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	BRL		µg/kg dry	2160	5	"	"	"	"	X
86-74-8	Carbazole	3,480		µg/kg dry	2160	5	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	BRL		µg/kg dry	2160	5	"	"	"	"	X
106-47-8	4-Chloroaniline	BRL		µg/kg dry	2160	5	"	"	"	"	X
91-58-7	2-Chloronaphthalene	BRL		µg/kg dry	2160	5	"	"	"	"	X
95-57-8	2-Chlorophenol	BRL		µg/kg dry	2160	5	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/kg dry	2160	5	"	"	"	"	X
218-01-9	Chrysene	15,900		µg/kg dry	2160	5	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	2,470		µg/kg dry	2160	5	"	"	"	"	X
132-64-9	Dibenzofuran	2,990		µg/kg dry	2160	5	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	2160	5	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	2160	5	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	2160	5	"	"	"	"	X
91-94-1	3,3'-Dichlorobenzidine	BRL		µg/kg dry	2160	5	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	BRL		µg/kg dry	2160	5	"	"	"	"	X
84-66-2	Diethyl phthalate	BRL		µg/kg dry	2160	5	"	"	"	"	X
131-11-3	Dimethyl phthalate	BRL		µg/kg dry	2160	5	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	BRL		µg/kg dry	2160	5	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	BRL		µg/kg dry	2160	5	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	2160	5	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	BRL		µg/kg dry	2160	5	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	BRL		µg/kg dry	2160	5	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	BRL		µg/kg dry	2160	5	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	BRL		µg/kg dry	2160	5	"	"	"	"	X
206-44-0	Fluoranthene	36,700		µg/kg dry	2160	5	"	"	"	"	X
86-73-7	Fluorene	5,410		µg/kg dry	2160	5	"	"	"	"	X
118-74-1	Hexachlorobenzene	BRL		µg/kg dry	2160	5	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	2160	5	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	BRL		µg/kg dry	2160	5	"	"	"	"	X
67-72-1	Hexachloroethane	BRL		µg/kg dry	2160	5	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	10,400		µg/kg dry	2160	5	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	2160	5	"	"	"	"	
78-59-1	Isophorone	BRL		µg/kg dry	2160	5	"	"	"	"	X
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	2160	5	"	"	"	"	X
95-48-7	2-Methylphenol	BRL		µg/kg dry	2160	5	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	BRL		µg/kg dry	2160	5	"	"	"	"	X
91-20-3	Naphthalene	4,320		µg/kg dry	2160	5	"	"	"	"	X
88-74-4	2-Nitroaniline	BRL		µg/kg dry	2160	5	"	"	"	"	X
99-09-2	3-Nitroaniline	BRL		µg/kg dry	2160	5	"	"	"	"	X
100-01-6	4-Nitroaniline	BRL		µg/kg dry	8630	5	"	"	"	"	X
98-95-3	Nitrobenzene	BRL		µg/kg dry	2160	5	"	"	"	"	X
88-75-5	2-Nitrophenol	BRL		µg/kg dry	2160	5	"	"	"	"	X
100-02-7	4-Nitrophenol	BRL		µg/kg dry	8630	5	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	BRL		µg/kg dry	2160	5	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/kg dry	2160	5	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C36 SA89727-02	127-17797-08011	Soil	09-Jan-09 09:30	12-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
86-30-6	N-Nitrosodiphenylamine	BRL		µg/kg dry	2160	5	SW846 8270C	14-Jan-09	17-Jan-09	9010768	X
87-86-5	Pentachlorophenol	BRL		µg/kg dry	2160	5	"	"	"	"	X
85-01-8	Phenanthrene	31,700		µg/kg dry	2160	5	"	"	"	"	X
108-95-2	Phenol	BRL		µg/kg dry	2160	5	"	"	"	"	X
129-00-0	Pyrene	30,400		µg/kg dry	2160	5	"	"	"	"	X
110-86-1	Pyridine	BRL		µg/kg dry	2160	5	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	2160	5	"	"	"	"	X
95-95-4	2,4,5-Trichlorophenol	BRL		µg/kg dry	2160	5	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	BRL		µg/kg dry	2160	5	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	BRL		µg/kg dry	2160	5	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	2160	5	"	"	"	"	X
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*89*		*30-130 %*			"	"	"	"	
367-12-4	*2-Fluorophenol*	*84*		*15-110 %*			"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*78*		*30-130 %*			"	"	"	"	
4165-62-2	*Phenol-d5*	*81*		*15-110 %*			"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*83*		*30-130 %*			"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*78*		*15-110 %*			"	"	"	"	
Semivolatile Organic Compounds by GC											
Polychlorinated Biphenyls by SW846 8082											
Prepared by method SW846 3550B											
12674-11-2	PCB 1016	BRL		µg/kg dry	25.7	1	SW846 8082	14-Jan-09	16-Jan-09	9010831	X
11104-28-2	PCB 1221	BRL		µg/kg dry	25.7	1	"	"	"	"	X
11141-16-5	PCB 1232	BRL		µg/kg dry	25.7	1	"	"	"	"	X
53469-21-9	PCB 1242	BRL		µg/kg dry	25.7	1	"	"	"	"	X
12672-29-6	PCB 1248	BRL		µg/kg dry	25.7	1	"	"	"	"	X
11097-69-1	PCB 1254	BRL		µg/kg dry	25.7	1	"	"	"	"	X
11096-82-5	PCB 1260	BRL		µg/kg dry	25.7	1	"	"	"	"	X
37324-23-5	PCB 1262	BRL		µg/kg dry	25.7	1	"	"	"	"	X
11100-14-4	PCB 1268	BRL		µg/kg dry	25.7	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*112*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*96*		*30-150 %*			"	"	"	"	
Chlorinated Herbicides by SW846 8151A											
Prepared by method SW846 3550B											
93-76-5	2,4,5-T	BRL		µg/kg dry	6.70	1	SW846 8151A	14-Jan-09	15-Jan-09	9010811	X
93-72-1	2,4,5-TP (Silvex)	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-75-7	2,4-D	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-82-6	2,4-DB	BRL		µg/kg dry	6.70	1	"	"	"	"	X
75-99-0	Dalapon	BRL		µg/kg dry	6.70	1	"	"	"	"	X
1918-00-9	Dicamba	BRL		µg/kg dry	6.70	1	"	"	"	"	X
120-36-5	Dichlorprop	BRL		µg/kg dry	6.70	1	"	"	"	"	X
88-85-7	Dinoseb	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-74-6	MCPA	BRL		µg/kg dry	670	1	"	"	"	"	X
94-81-5	MCPB	BRL		µg/kg dry	670	1	"	"	"	"	
93-65-2	MCPP	BRL		µg/kg dry	670	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*77*		*30-150 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C36 SA89727-02	127-17797-08011	Soil	09-Jan-09 09:30	12-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3550B											
8006-61-9	Gasoline	BRL		mg/kg dry	17.4	1	+CT ETPH	14-Jan-09	15-Jan-09	9010767	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	17.4	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	17.4	1	"	"	"	"	
68553-00-4	Fuel Oil #6	Calculated as		mg/kg dry	17.4	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	17.4	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	17.4	1	"	"	"	"	
	Unidentified	364		mg/kg dry	17.4	1	"	"	"	"	
	Other Oil	Calculated as		mg/kg dry	17.4	1	"	"	"	"	
	Total Petroleum Hydrocarbons	364		mg/kg dry	17.4	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	364		mg/kg dry	17.4	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*54*		*50-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	12.1		mg/kg dry	1.86	1	SW846 6010B	15-Jan-09	16-Jan-09	9010634	X
7440-38-2	Arsenic	21.3		mg/kg dry	1.86	1	"	"	"	"	X
7440-39-3	Barium	1,630		mg/kg dry	1.24	1	"	"	"	"	X
7440-43-9	Cadmium	19.9		mg/kg dry	0.621	1	"	"	"	"	X
7440-47-3	Chromium	227		mg/kg dry	1.24	1	"	"	"	"	X
7439-97-6	Mercury	0.428		mg/kg dry	0.0373	1	SW846 7471A	13-Jan-09	16-Jan-09	9010635	X
7439-92-1	Lead	1,300		mg/kg dry	1.86	1	SW846 6010B	15-Jan-09	16-Jan-09	9010634	X
7782-49-2	Selenium	5.13		mg/kg dry	1.86	1	"	"	"	"	X
TCLP Metals by EPA 1311 & 6000/7000 Series Methods											
	TCLP Extraction	Completed		N/A		1	SW846 1311	04-Feb-09	04-Feb-09	9020341	X
7440-43-9	Cadmium	0.0648		mg/l	0.0025	1	SW846 1311/6010B	06-Feb-09	06-Feb-09	9020349	X
7440-47-3	Chromium	BRL		mg/l	0.0050	1	"	"	"	"	X
7439-92-1	Lead	1.31		mg/l	0.0075	1	"	"	"	"	X
SPLP Metals by EPA 1312 & 6000/7000 Series Methods											
	SPLP Extraction	Completed		N/A		1	SW846 1312	20-Jan-09	20-Jan-09	9011195	
7440-22-4	Silver	BRL		mg/l	0.0100	1	SW846 1312/6010B	21-Jan-09	21-Jan-09	9011251	
7440-38-2	Arsenic	BRL		mg/l	0.0080	1	"	"	"	"	
7440-39-3	Barium	0.180		mg/l	0.0100	1	"	"	"	"	
7440-43-9	Cadmium	BRL		mg/l	0.0050	1	"	"	"	"	
7440-47-3	Chromium	BRL		mg/l	0.0100	1	"	"	"	"	
7439-92-1	Lead	BRL		mg/l	0.0150	1	"	"	"	"	
General Chemistry Parameters											
	% Solids	76.3		%		1	SM2540 G Mod.	14-Jan-09	14-Jan-09	9010819	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C35 SA89727-03	127-17797-08011	Soil	09-Jan-09 10:00	12-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	13-Jan-09	13-Jan-09	9010735	
Volatile Organic Compounds						Initial weight: 3.82 g					
Prepared by method SW846 5035A Soil (low level)											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	9.9	1	SW846 8260B	13-Jan-09	13-Jan-09	9010690	X
67-64-1	Acetone	BRL		µg/kg dry	98.8	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	9.9	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	9.9	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	9.9	1	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	9.9	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	9.9	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	9.9	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	19.8	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	98.8	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	9.9	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	9.9	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	9.9	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	49.4	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	9.9	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	9.9	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	19.8	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	9.9	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	19.8	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	9.9	1	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	9.9	1	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	19.8	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	9.9	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	9.9	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	9.9	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	9.9	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	9.9	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	9.9	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	19.8	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	9.9	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	9.9	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	9.9	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	9.9	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	9.9	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	9.9	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	9.9	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	9.9	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	9.9	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	9.9	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	9.9	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	9.9	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	9.9	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	98.8	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	9.9	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	9.9	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	9.9	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	98.8	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	98.8	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	9.9	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C35	127-17797-08011	Soil	09-Jan-09 10:00	12-Jan-09
SA89727-03				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
Volatile Organic Compounds											
Prepared by method SW846 5035A Soil (low level)					Initial weight: 3.82 g						
103-65-1	n-Propylbenzene	BRL		µg/kg dry	9.9	1	SW846 8260B	13-Jan-09	13-Jan-09	9010690	X
100-42-5	Styrene	BRL		µg/kg dry	9.9	1	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	9.9	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	9.9	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	9.9	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	9.9	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	9.9	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	9.9	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	9.9	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	9.9	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	9.9	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	9.9	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	9.9	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	9.9	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	9.9	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	9.9	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	9.9	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	19.8	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	9.9	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	98.8	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	9.9	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	9.9	1	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	9.9	1	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	9.9	1	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	98.8	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	198	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	49.4	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	3950	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*84*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*89*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*118*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*103*		*70-130 %*			"	"	"	"	
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
83-32-9	Acenaphthene	BRL		µg/kg dry	420	1	SW846 8270C	14-Jan-09	17-Jan-09	9010768	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	420	1	"	"	"	"	X
62-53-3	Aniline	BRL		µg/kg dry	420	1	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	420	1	"	"	"	"	X
1912-24-9	Atrazine	BRL		µg/kg dry	420	1	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/kg dry	420	1	"	"	"	"	
92-87-5	Benzidine	BRL		µg/kg dry	420	1	"	"	"	"	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	420	1	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	420	1	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	420	1	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	420	1	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	420	1	"	"	"	"	X
65-85-0	Benzoic acid	BRL		µg/kg dry	420	1	"	"	"	"	X
100-51-6	Benzyl alcohol	BRL		µg/kg dry	420	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C35 SA89727-03	127-17797-08011	Soil	09-Jan-09 10:00	12-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
111-91-1	Bis(2-chloroethoxy)methane	BRL		µg/kg dry	420	1	SW846 8270C	14-Jan-09	17-Jan-09	9010768	X
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/kg dry	420	1	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	420	1	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	420	1	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/kg dry	420	1	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	BRL		µg/kg dry	420	1	"	"	"	"	X
86-74-8	Carbazole	BRL		µg/kg dry	420	1	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	BRL		µg/kg dry	420	1	"	"	"	"	X
106-47-8	4-Chloroaniline	BRL		µg/kg dry	420	1	"	"	"	"	X
91-58-7	2-Chloronaphthalene	BRL		µg/kg dry	420	1	"	"	"	"	X
95-57-8	2-Chlorophenol	BRL		µg/kg dry	420	1	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/kg dry	420	1	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	420	1	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	420	1	"	"	"	"	X
132-64-9	Dibenzofuran	BRL		µg/kg dry	420	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	420	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	420	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	420	1	"	"	"	"	X
91-94-1	3,3'-Dichlorobenzidine	BRL		µg/kg dry	420	1	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	BRL		µg/kg dry	420	1	"	"	"	"	X
84-66-2	Diethyl phthalate	BRL		µg/kg dry	420	1	"	"	"	"	X
131-11-3	Dimethyl phthalate	BRL		µg/kg dry	420	1	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	BRL		µg/kg dry	420	1	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	BRL		µg/kg dry	420	1	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	420	1	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	BRL		µg/kg dry	420	1	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	BRL		µg/kg dry	420	1	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	BRL		µg/kg dry	420	1	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	BRL		µg/kg dry	420	1	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	420	1	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	420	1	"	"	"	"	X
118-74-1	Hexachlorobenzene	BRL		µg/kg dry	420	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	420	1	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	BRL		µg/kg dry	420	1	"	"	"	"	X
67-72-1	Hexachloroethane	BRL		µg/kg dry	420	1	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	420	1	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	420	1	"	"	"	"	
78-59-1	Isophorone	BRL		µg/kg dry	420	1	"	"	"	"	X
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	420	1	"	"	"	"	X
95-48-7	2-Methylphenol	BRL		µg/kg dry	420	1	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	BRL		µg/kg dry	420	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	420	1	"	"	"	"	X
88-74-4	2-Nitroaniline	BRL		µg/kg dry	420	1	"	"	"	"	X
99-09-2	3-Nitroaniline	BRL		µg/kg dry	420	1	"	"	"	"	X
100-01-6	4-Nitroaniline	BRL		µg/kg dry	1680	1	"	"	"	"	X
98-95-3	Nitrobenzene	BRL		µg/kg dry	420	1	"	"	"	"	X
88-75-5	2-Nitrophenol	BRL		µg/kg dry	420	1	"	"	"	"	X
100-02-7	4-Nitrophenol	BRL		µg/kg dry	1680	1	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	BRL		µg/kg dry	420	1	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/kg dry	420	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C35	127-17797-08011	Soil	09-Jan-09 10:00	12-Jan-09
SA89727-03				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
86-30-6	N-Nitrosodiphenylamine	BRL		µg/kg dry	420	1	SW846 8270C	14-Jan-09	17-Jan-09	9010768	X
87-86-5	Pentachlorophenol	BRL		µg/kg dry	420	1	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	420	1	"	"	"	"	X
108-95-2	Phenol	BRL		µg/kg dry	420	1	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	420	1	"	"	"	"	X
110-86-1	Pyridine	BRL		µg/kg dry	420	1	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	420	1	"	"	"	"	X
95-95-4	2,4,5-Trichlorophenol	BRL		µg/kg dry	420	1	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	BRL		µg/kg dry	420	1	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	BRL		µg/kg dry	420	1	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	420	1	"	"	"	"	X
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*63*		*30-130 %*			"	"	"	"	
367-12-4	*2-Fluorophenol*	*59*		*15-110 %*			"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*61*		*30-130 %*			"	"	"	"	
4165-62-2	*Phenol-d5*	*58*		*15-110 %*			"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*59*		*30-130 %*			"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*65*		*15-110 %*			"	"	"	"	
Semivolatile Organic Compounds by GC											
Polychlorinated Biphenyls by SW846 8082											
Prepared by method SW846 3550B											
12674-11-2	PCB 1016	BRL		µg/kg dry	25.5	1	SW846 8082	14-Jan-09	16-Jan-09	9010831	X
11104-28-2	PCB 1221	BRL		µg/kg dry	25.5	1	"	"	"	"	X
11141-16-5	PCB 1232	BRL		µg/kg dry	25.5	1	"	"	"	"	X
53469-21-9	PCB 1242	BRL		µg/kg dry	25.5	1	"	"	"	"	X
12672-29-6	PCB 1248	BRL		µg/kg dry	25.5	1	"	"	"	"	X
11097-69-1	PCB 1254	BRL		µg/kg dry	25.5	1	"	"	"	"	X
11096-82-5	PCB 1260	BRL		µg/kg dry	25.5	1	"	"	"	"	X
37324-23-5	PCB 1262	BRL		µg/kg dry	25.5	1	"	"	"	"	X
11100-14-4	PCB 1268	BRL		µg/kg dry	25.5	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*97*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*108*		*30-150 %*			"	"	"	"	
Chlorinated Herbicides by SW846 8151A											
Prepared by method SW846 3550B											
93-76-5	2,4,5-T	BRL		µg/kg dry	6.70	1	SW846 8151A	14-Jan-09	15-Jan-09	9010811	X
93-72-1	2,4,5-TP (Silvex)	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-75-7	2,4-D	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-82-6	2,4-DB	BRL		µg/kg dry	6.70	1	"	"	"	"	X
75-99-0	Dalapon	BRL		µg/kg dry	6.70	1	"	"	"	"	X
1918-00-9	Dicamba	BRL		µg/kg dry	6.70	1	"	"	"	"	X
120-36-5	Dichlorprop	BRL		µg/kg dry	6.70	1	"	"	"	"	X
88-85-7	Dinoseb	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-74-6	MCPA	BRL		µg/kg dry	670	1	"	"	"	"	X
94-81-5	MCPB	BRL		µg/kg dry	670	1	"	"	"	"	
93-65-2	MCPP	BRL		µg/kg dry	670	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*63*		*30-150 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C35 SA89727-03	127-17797-08011	Soil	09-Jan-09 10:00	12-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3550B											
8006-61-9	Gasoline	BRL		mg/kg dry	16.9	1	+CT ETPH	14-Jan-09	15-Jan-09	9010767	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	16.9	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	16.9	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	16.9	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	16.9	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	16.9	1	"	"	"	"	
	Unidentified	BRL		mg/kg dry	16.9	1	"	"	"	"	
	Other Oil	BRL		mg/kg dry	16.9	1	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL		mg/kg dry	16.9	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	16.9	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*82*		*50-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	BRL		mg/kg dry	1.78	1	SW846 6010B	15-Jan-09	16-Jan-09	9010634	X
7440-38-2	Arsenic	4.06		mg/kg dry	1.78	1	"	"	"	"	X
7440-39-3	Barium	68.7		mg/kg dry	1.19	1	"	"	"	"	X
7440-43-9	Cadmium	BRL		mg/kg dry	0.595	1	"	"	"	"	X
7440-47-3	Chromium	11.8		mg/kg dry	1.19	1	"	"	"	"	X
7439-97-6	Mercury	0.288		mg/kg dry	0.0379	1	SW846 7471A	13-Jan-09	16-Jan-09	9010635	X
7439-92-1	Lead	44.7		mg/kg dry	1.78	1	SW846 6010B	15-Jan-09	16-Jan-09	9010634	X
7782-49-2	Selenium	2.15		mg/kg dry	1.78	1	"	"	"	"	X
General Chemistry Parameters											
	% Solids	77.6		%		1	SM2540 G Mod.	14-Jan-09	14-Jan-09	9010818	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C34	127-17797-08011	Soil	09-Jan-09 10:45	12-Jan-09
SA89727-04				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	13-Jan-09	13-Jan-09	9010735	
Volatile Organic Compounds			VC10								
Prepared by method SW846 5035A Soil (low level)					Initial weight: 2.58 g						
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	14.4	1	SW846 8260B	13-Jan-09	13-Jan-09	9010690	X
67-64-1	Acetone	BRL		µg/kg dry	144	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	14.4	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	14.4	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	14.4	1	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	14.4	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	14.4	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	14.4	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	28.8	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	144	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	14.4	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	14.4	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	14.4	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	72.0	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	14.4	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	14.4	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	28.8	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	14.4	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	28.8	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	14.4	1	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	14.4	1	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	28.8	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	14.4	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	14.4	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	14.4	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	14.4	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	14.4	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	14.4	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	28.8	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	14.4	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	14.4	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	14.4	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	14.4	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	14.4	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	14.4	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	14.4	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	14.4	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	14.4	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	14.4	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	14.4	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	14.4	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	14.4	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	144	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	14.4	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	14.4	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	14.4	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	144	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	144	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	14.4	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C34 SA89727-04	127-17797-08011	Soil	09-Jan-09 10:45	12-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
Volatile Organic Compounds			VC10			Initial weight: 2.58 g					
Prepared by method SW846 5035A Soil (low level)											
103-65-1	n-Propylbenzene	BRL		µg/kg dry	14.4	1	SW846 8260B	13-Jan-09	13-Jan-09	9010690	X
100-42-5	Styrene	BRL		µg/kg dry	14.4	1	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	14.4	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	14.4	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	14.4	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	14.4	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	14.4	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	14.4	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	14.4	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	14.4	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	14.4	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	14.4	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	14.4	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	14.4	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	14.4	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	14.4	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	14.4	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	28.8	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	14.4	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	144	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	14.4	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	14.4	1	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	14.4	1	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	14.4	1	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	144	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	288	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	72.0	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	5760	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*82*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*88*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*121*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*104*		*70-130 %*			"	"	"	"	
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
83-32-9	Acenaphthene	BRL		µg/kg dry	431	1	SW846 8270C	14-Jan-09	17-Jan-09	9010768	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	431	1	"	"	"	"	X
62-53-3	Aniline	BRL		µg/kg dry	431	1	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	431	1	"	"	"	"	X
1912-24-9	Atrazine	BRL		µg/kg dry	431	1	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/kg dry	431	1	"	"	"	"	
92-87-5	Benzidine	BRL		µg/kg dry	431	1	"	"	"	"	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	431	1	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	431	1	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	431	1	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	431	1	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	431	1	"	"	"	"	X
65-85-0	Benzoic acid	BRL		µg/kg dry	431	1	"	"	"	"	X
100-51-6	Benzyl alcohol	BRL		µg/kg dry	431	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C34	127-17797-08011	Soil	09-Jan-09 10:45	12-Jan-09
SA89727-04				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
111-91-1	Bis(2-chloroethoxy)methane	BRL		µg/kg dry	431	1	SW846 8270C	14-Jan-09	17-Jan-09	9010768	X
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/kg dry	431	1	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	431	1	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	431	1	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/kg dry	431	1	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	BRL		µg/kg dry	431	1	"	"	"	"	X
86-74-8	Carbazole	BRL		µg/kg dry	431	1	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	BRL		µg/kg dry	431	1	"	"	"	"	X
106-47-8	4-Chloroaniline	BRL		µg/kg dry	431	1	"	"	"	"	X
91-58-7	2-Chloronaphthalene	BRL		µg/kg dry	431	1	"	"	"	"	X
95-57-8	2-Chlorophenol	BRL		µg/kg dry	431	1	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/kg dry	431	1	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	431	1	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	431	1	"	"	"	"	X
132-64-9	Dibenzofuran	BRL		µg/kg dry	431	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	431	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	431	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	431	1	"	"	"	"	X
91-94-1	3,3'-Dichlorobenzidine	BRL		µg/kg dry	431	1	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	BRL		µg/kg dry	431	1	"	"	"	"	X
84-66-2	Diethyl phthalate	BRL		µg/kg dry	431	1	"	"	"	"	X
131-11-3	Dimethyl phthalate	BRL		µg/kg dry	431	1	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	BRL		µg/kg dry	431	1	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	BRL		µg/kg dry	431	1	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	431	1	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	BRL		µg/kg dry	431	1	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	BRL		µg/kg dry	431	1	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	BRL		µg/kg dry	431	1	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	BRL		µg/kg dry	431	1	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	431	1	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	431	1	"	"	"	"	X
118-74-1	Hexachlorobenzene	BRL		µg/kg dry	431	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	431	1	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	BRL		µg/kg dry	431	1	"	"	"	"	X
67-72-1	Hexachloroethane	BRL		µg/kg dry	431	1	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	431	1	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	431	1	"	"	"	"	
78-59-1	Isophorone	BRL		µg/kg dry	431	1	"	"	"	"	X
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	431	1	"	"	"	"	X
95-48-7	2-Methylphenol	BRL		µg/kg dry	431	1	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	BRL		µg/kg dry	431	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	431	1	"	"	"	"	X
88-74-4	2-Nitroaniline	BRL		µg/kg dry	431	1	"	"	"	"	X
99-09-2	3-Nitroaniline	BRL		µg/kg dry	431	1	"	"	"	"	X
100-01-6	4-Nitroaniline	BRL		µg/kg dry	1720	1	"	"	"	"	X
98-95-3	Nitrobenzene	BRL		µg/kg dry	431	1	"	"	"	"	X
88-75-5	2-Nitrophenol	BRL		µg/kg dry	431	1	"	"	"	"	X
100-02-7	4-Nitrophenol	BRL		µg/kg dry	1720	1	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	BRL		µg/kg dry	431	1	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/kg dry	431	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C34 SA89727-04	127-17797-08011	Soil	09-Jan-09 10:45	12-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
86-30-6	N-Nitrosodiphenylamine	BRL		µg/kg dry	431	1	SW846 8270C	14-Jan-09	17-Jan-09	9010768	X
87-86-5	Pentachlorophenol	BRL		µg/kg dry	431	1	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	431	1	"	"	"	"	X
108-95-2	Phenol	BRL		µg/kg dry	431	1	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	431	1	"	"	"	"	X
110-86-1	Pyridine	BRL		µg/kg dry	431	1	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	431	1	"	"	"	"	X
95-95-4	2,4,5-Trichlorophenol	BRL		µg/kg dry	431	1	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	BRL		µg/kg dry	431	1	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	BRL		µg/kg dry	431	1	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	431	1	"	"	"	"	X
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*58*		*30-130 %*			"	"	"	"	
367-12-4	*2-Fluorophenol*	*54*		*15-110 %*			"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*55*		*30-130 %*			"	"	"	"	
4165-62-2	*Phenol-d5*	*52*		*15-110 %*			"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*53*		*30-130 %*			"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*58*		*15-110 %*			"	"	"	"	
Semivolatile Organic Compounds by GC											
Polychlorinated Biphenyls by SW846 8082											
Prepared by method SW846 3550B											
12674-11-2	PCB 1016	BRL		µg/kg dry	25.4	1	SW846 8082	14-Jan-09	16-Jan-09	9010831	X
11104-28-2	PCB 1221	BRL		µg/kg dry	25.4	1	"	"	"	"	X
11141-16-5	PCB 1232	BRL		µg/kg dry	25.4	1	"	"	"	"	X
53469-21-9	PCB 1242	BRL		µg/kg dry	25.4	1	"	"	"	"	X
12672-29-6	PCB 1248	BRL		µg/kg dry	25.4	1	"	"	"	"	X
11097-69-1	PCB 1254	BRL		µg/kg dry	25.4	1	"	"	"	"	X
11096-82-5	PCB 1260	BRL		µg/kg dry	25.4	1	"	"	"	"	X
37324-23-5	PCB 1262	BRL		µg/kg dry	25.4	1	"	"	"	"	X
11100-14-4	PCB 1268	BRL		µg/kg dry	25.4	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*112*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*110*		*30-150 %*			"	"	"	"	
Chlorinated Herbicides by SW846 8151A											
Prepared by method SW846 3550B											
93-76-5	2,4,5-T	BRL		µg/kg dry	6.70	1	SW846 8151A	14-Jan-09	15-Jan-09	9010811	X
93-72-1	2,4,5-TP (Silvex)	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-75-7	2,4-D	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-82-6	2,4-DB	BRL		µg/kg dry	6.70	1	"	"	"	"	X
75-99-0	Dalapon	BRL		µg/kg dry	6.70	1	"	"	"	"	X
1918-00-9	Dicamba	BRL		µg/kg dry	6.70	1	"	"	"	"	X
120-36-5	Dichlorprop	BRL		µg/kg dry	6.70	1	"	"	"	"	X
88-85-7	Dinoseb	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-74-6	MCPA	BRL		µg/kg dry	670	1	"	"	"	"	X
94-81-5	MCPB	BRL		µg/kg dry	670	1	"	"	"	"	
93-65-2	MCPP	BRL		µg/kg dry	670	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*80*		*30-150 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C34	127-17797-08011	Soil	09-Jan-09 10:45	12-Jan-09
SA89727-04				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3550B											
8006-61-9	Gasoline	BRL		mg/kg dry	17.4	1	+CT ETPH	14-Jan-09	15-Jan-09	9010767	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	17.4	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	17.4	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	17.4	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	17.4	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	17.4	1	"	"	"	"	
	Unidentified	55.5		mg/kg dry	17.4	1	"	"	"	"	
	Other Oil	Calculated as		mg/kg dry	17.4	1	"	"	"	"	
	Total Petroleum Hydrocarbons	55.5		mg/kg dry	17.4	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	55.5		mg/kg dry	17.4	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*75*		*50-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	BRL		mg/kg dry	1.79	1	SW846 6010B	15-Jan-09	16-Jan-09	9010634	X
7440-38-2	Arsenic	10.4		mg/kg dry	1.79	1	"	"	"	"	X
7440-39-3	Barium	74.9		mg/kg dry	1.20	1	"	"	"	"	X
7440-43-9	Cadmium	0.724		mg/kg dry	0.598	1	"	"	"	"	X
7440-47-3	Chromium	8.88		mg/kg dry	1.20	1	"	"	"	"	X
7439-97-6	Mercury	0.248		mg/kg dry	0.0358	1	SW846 7471A	13-Jan-09	16-Jan-09	9010635	X
7439-92-1	Lead	177		mg/kg dry	1.79	1	SW846 6010B	15-Jan-09	16-Jan-09	9010634	X
7782-49-2	Selenium	1.86		mg/kg dry	1.79	1	"	"	"	"	X
TCLP Metals by EPA 1311 & 6000/7000 Series Methods											
	TCLP Extraction	Completed		N/A		1	SW846 1311	04-Feb-09	04-Feb-09	9020341	X
7439-92-1	Lead	0.0142		mg/l	0.0075	1	SW846 1311/6010B	06-Feb-09	06-Feb-09	9020349	X
SPLP Metals by EPA 1312 & 6000/7000 Series Methods											
	SPLP Extraction	Completed		N/A		1	SW846 1312	20-Jan-09	20-Jan-09	9011195	
7440-38-2	Arsenic	BRL		mg/l	0.0080	1	SW846 1312/6010B	21-Jan-09	21-Jan-09	9011251	
7440-43-9	Cadmium	BRL		mg/l	0.0050	1	"	"	"	"	
7440-47-3	Chromium	BRL		mg/l	0.0100	1	"	"	"	"	
7439-92-1	Lead	BRL		mg/l	0.0150	1	"	"	"	"	
General Chemistry Parameters											
	% Solids	75.8		%		1	SM2540 G Mod.	14-Jan-09	14-Jan-09	9010818	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C33 SA89727-05	127-17797-08011	Soil	09-Jan-09 11:30	12-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	13-Jan-09	13-Jan-09	9010735	
Volatile Organic Compounds						Initial weight: 5.54 g					
Prepared by method SW846 5035A Soil (low level)											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	6.1	1	SW846 8260B	13-Jan-09	13-Jan-09	9010690	X
67-64-1	Acetone	BRL		µg/kg dry	61.0	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	6.1	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	6.1	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	6.1	1	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	6.1	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	6.1	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	6.1	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	12.2	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	61.0	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	6.1	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	6.1	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	6.1	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	30.5	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	6.1	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	6.1	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	12.2	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	6.1	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	12.2	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	6.1	1	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	6.1	1	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	12.2	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	6.1	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	6.1	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	6.1	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	6.1	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	6.1	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	6.1	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	12.2	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	6.1	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	6.1	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	6.1	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	6.1	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	6.1	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	6.1	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	6.1	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	6.1	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	6.1	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	6.1	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	6.1	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	6.1	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	6.1	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	61.0	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	6.1	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	6.1	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	6.1	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	61.0	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	61.0	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	6.1	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C33	127-17797-08011	Soil	09-Jan-09 11:30	12-Jan-09
SA89727-05				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
Volatile Organic Compounds											
Prepared by method SW846 5035A Soil (low level)						Initial weight: 5.54 g					
103-65-1	n-Propylbenzene	BRL		µg/kg dry	6.1	1	SW846 8260B	13-Jan-09	13-Jan-09	9010690	X
100-42-5	Styrene	BRL		µg/kg dry	6.1	1	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	6.1	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	6.1	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	6.1	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	6.1	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	6.1	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	6.1	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	6.1	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	6.1	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	6.1	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	6.1	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	6.1	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	6.1	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	6.1	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	6.1	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	6.1	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	12.2	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	6.1	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	61.0	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	6.1	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	6.1	1	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	6.1	1	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	6.1	1	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	61.0	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	122	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	30.5	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	2440	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*90*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*93*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*117*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*102*		*70-130 %*			"	"	"	"	
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
83-32-9	Acenaphthene	BRL		µg/kg dry	754	2	SW846 8270C	14-Jan-09	17-Jan-09	9010768	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	754	2	"	"	"	"	X
62-53-3	Aniline	BRL		µg/kg dry	754	2	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	754	2	"	"	"	"	X
1912-24-9	Atrazine	BRL		µg/kg dry	754	2	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/kg dry	754	2	"	"	"	"	
92-87-5	Benzidine	BRL		µg/kg dry	754	2	"	"	"	"	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	754	2	"	"	"	"	X
50-32-8	Benzo (a) pyrene	801		µg/kg dry	754	2	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	754	2	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	754	2	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	754	2	"	"	"	"	X
65-85-0	Benzoic acid	BRL		µg/kg dry	754	2	"	"	"	"	X
100-51-6	Benzyl alcohol	BRL		µg/kg dry	754	2	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C33 SA89727-05	127-17797-08011	Soil	09-Jan-09 11:30	12-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
111-91-1	Bis(2-chloroethoxy)methane	BRL		µg/kg dry	754	2	SW846 8270C	14-Jan-09	17-Jan-09	9010768	X
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/kg dry	754	2	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	754	2	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	754	2	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/kg dry	754	2	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	BRL		µg/kg dry	754	2	"	"	"	"	X
86-74-8	Carbazole	BRL		µg/kg dry	754	2	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	BRL		µg/kg dry	754	2	"	"	"	"	X
106-47-8	4-Chloroaniline	BRL		µg/kg dry	754	2	"	"	"	"	X
91-58-7	2-Chloronaphthalene	BRL		µg/kg dry	754	2	"	"	"	"	X
95-57-8	2-Chlorophenol	BRL		µg/kg dry	754	2	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/kg dry	754	2	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	754	2	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	754	2	"	"	"	"	X
132-64-9	Dibenzofuran	BRL		µg/kg dry	754	2	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	754	2	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	754	2	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	754	2	"	"	"	"	X
91-94-1	3,3'-Dichlorobenzidine	BRL		µg/kg dry	754	2	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	BRL		µg/kg dry	754	2	"	"	"	"	X
84-66-2	Diethyl phthalate	BRL		µg/kg dry	754	2	"	"	"	"	X
131-11-3	Dimethyl phthalate	BRL		µg/kg dry	754	2	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	BRL		µg/kg dry	754	2	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	BRL		µg/kg dry	754	2	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	754	2	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	BRL		µg/kg dry	754	2	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	BRL		µg/kg dry	754	2	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	BRL		µg/kg dry	754	2	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	BRL		µg/kg dry	754	2	"	"	"	"	X
206-44-0	Fluoranthene	938		µg/kg dry	754	2	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	754	2	"	"	"	"	X
118-74-1	Hexachlorobenzene	BRL		µg/kg dry	754	2	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	754	2	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	BRL		µg/kg dry	754	2	"	"	"	"	X
67-72-1	Hexachloroethane	BRL		µg/kg dry	754	2	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	754	2	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	754	2	"	"	"	"	
78-59-1	Isophorone	BRL		µg/kg dry	754	2	"	"	"	"	X
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	754	2	"	"	"	"	X
95-48-7	2-Methylphenol	BRL		µg/kg dry	754	2	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	BRL		µg/kg dry	754	2	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	754	2	"	"	"	"	X
88-74-4	2-Nitroaniline	BRL		µg/kg dry	754	2	"	"	"	"	X
99-09-2	3-Nitroaniline	BRL		µg/kg dry	754	2	"	"	"	"	X
100-01-6	4-Nitroaniline	BRL		µg/kg dry	3020	2	"	"	"	"	X
98-95-3	Nitrobenzene	BRL		µg/kg dry	754	2	"	"	"	"	X
88-75-5	2-Nitrophenol	BRL		µg/kg dry	754	2	"	"	"	"	X
100-02-7	4-Nitrophenol	BRL		µg/kg dry	3020	2	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	BRL		µg/kg dry	754	2	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/kg dry	754	2	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C33	127-17797-08011	Soil	09-Jan-09 11:30	12-Jan-09
SA89727-05				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
86-30-6	N-Nitrosodiphenylamine	BRL		µg/kg dry	754	2	SW846 8270C	14-Jan-09	17-Jan-09	9010768	X
87-86-5	Pentachlorophenol	BRL		µg/kg dry	754	2	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	754	2	"	"	"	"	X
108-95-2	Phenol	BRL		µg/kg dry	754	2	"	"	"	"	X
129-00-0	Pyrene	955		µg/kg dry	754	2	"	"	"	"	X
110-86-1	Pyridine	BRL		µg/kg dry	754	2	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	754	2	"	"	"	"	X
95-95-4	2,4,5-Trichlorophenol	BRL		µg/kg dry	754	2	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	BRL		µg/kg dry	754	2	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	BRL		µg/kg dry	754	2	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	754	2	"	"	"	"	X
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*92*		*30-130 %*			"	"	"	"	
367-12-4	*2-Fluorophenol*	*91*		*15-110 %*			"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*87*		*30-130 %*			"	"	"	"	
4165-62-2	*Phenol-d5*	*88*		*15-110 %*			"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*85*		*30-130 %*			"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*90*		*15-110 %*			"	"	"	"	
Semivolatile Organic Compounds by GC											
Polychlorinated Biphenyls by SW846 8082											
Prepared by method SW846 3550B											
12674-11-2	PCB 1016	BRL		µg/kg dry	22.2	1	SW846 8082	14-Jan-09	16-Jan-09	9010831	X
11104-28-2	PCB 1221	BRL		µg/kg dry	22.2	1	"	"	"	"	X
11141-16-5	PCB 1232	BRL		µg/kg dry	22.2	1	"	"	"	"	X
53469-21-9	PCB 1242	BRL		µg/kg dry	22.2	1	"	"	"	"	X
12672-29-6	PCB 1248	BRL		µg/kg dry	22.2	1	"	"	"	"	X
11097-69-1	PCB 1254	BRL		µg/kg dry	22.2	1	"	"	"	"	X
11096-82-5	PCB 1260	BRL		µg/kg dry	22.2	1	"	"	"	"	X
37324-23-5	PCB 1262	BRL		µg/kg dry	22.2	1	"	"	"	"	X
11100-14-4	PCB 1268	BRL		µg/kg dry	22.2	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*108*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*92*		*30-150 %*			"	"	"	"	
Chlorinated Herbicides by SW846 8151A											
Prepared by method SW846 3550B											
93-76-5	2,4,5-T	BRL		µg/kg dry	6.70	1	SW846 8151A	14-Jan-09	16-Jan-09	9010811	X
93-72-1	2,4,5-TP (Silvex)	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-75-7	2,4-D	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-82-6	2,4-DB	BRL		µg/kg dry	6.70	1	"	"	"	"	X
75-99-0	Dalapon	BRL		µg/kg dry	6.70	1	"	"	"	"	X
1918-00-9	Dicamba	BRL		µg/kg dry	6.70	1	"	"	"	"	X
120-36-5	Dichlorprop	BRL		µg/kg dry	6.70	1	"	"	"	"	X
88-85-7	Dinoseb	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-74-6	MCPA	BRL		µg/kg dry	670	1	"	"	"	"	X
94-81-5	MCPB	BRL		µg/kg dry	670	1	"	"	"	"	
93-65-2	MCPP	BRL		µg/kg dry	670	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*80*		*30-150 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											

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

* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C33 SA89727-05	127-17797-08011	Soil	09-Jan-09 11:30	12-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3550B											
8006-61-9	Gasoline	BRL		mg/kg dry	15.3	1	+CT ETPH	14-Jan-09	15-Jan-09	9010767	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	15.3	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	15.3	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	15.3	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	15.3	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	15.3	1	"	"	"	"	
	Unidentified	104		mg/kg dry	15.3	1	"	"	"	"	
	Other Oil	Calculated as		mg/kg dry	15.3	1	"	"	"	"	
	Total Petroleum Hydrocarbons	104		mg/kg dry	15.3	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	104		mg/kg dry	15.3	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*52*		*50-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	BRL		mg/kg dry	1.66	1	SW846 6010B	15-Jan-09	16-Jan-09	9010634	X
7440-38-2	Arsenic	1.90		mg/kg dry	1.66	1	"	"	"	"	X
7440-39-3	Barium	86.9		mg/kg dry	1.11	1	"	"	"	"	X
7440-43-9	Cadmium	BRL		mg/kg dry	0.554	1	"	"	"	"	X
7440-47-3	Chromium	12.8		mg/kg dry	1.11	1	"	"	"	"	X
7439-97-6	Mercury	BRL		mg/kg dry	0.0308	1	SW846 7471A	13-Jan-09	16-Jan-09	9010635	X
7439-92-1	Lead	22.1		mg/kg dry	1.66	1	SW846 6010B	15-Jan-09	16-Jan-09	9010634	X
7782-49-2	Selenium	1.90		mg/kg dry	1.66	1	"	"	"	"	X
General Chemistry Parameters											
	% Solids	85.7		%		1	SM2540 G Mod.	14-Jan-09	14-Jan-09	9010818	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C32	127-17797-08011	Soil	09-Jan-09 12:45	12-Jan-09
SA89727-06				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	13-Jan-09	13-Jan-09	9010735	
Volatile Organic Compounds											
Prepared by method SW846 5035A Soil (low level)						Initial weight: 4.19 g					
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	7.4	1	SW846 8260B	13-Jan-09	13-Jan-09	9010690	X
67-64-1	Acetone	BRL		µg/kg dry	73.6	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	7.4	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	7.4	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	7.4	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	7.4	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	14.7	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	73.6	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	36.8	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	7.4	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	14.7	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	7.4	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	14.7	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	14.7	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	7.4	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	7.4	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	7.4	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	14.7	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	7.4	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	7.4	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	7.4	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	7.4	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	7.4	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	73.6	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	7.4	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	73.6	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	73.6	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	7.4	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C32 SA89727-06	127-17797-08011	Soil	09-Jan-09 12:45	12-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
Volatile Organic Compounds						Initial weight: 4.19 g					
Prepared by method SW846 5035A Soil (low level)											
103-65-1	n-Propylbenzene	BRL		µg/kg dry	7.4	1	SW846 8260B	13-Jan-09	13-Jan-09	9010690	X
100-42-5	Styrene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	7.4	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	7.4	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	7.4	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	7.4	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	7.4	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	7.4	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	7.4	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	7.4	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	7.4	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	14.7	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	73.6	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	7.4	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	7.4	1	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	7.4	1	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	7.4	1	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	73.6	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	147	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	36.8	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	2940	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*85*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*92*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*115*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*103*		*70-130 %*			"	"	"	"	
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
83-32-9	Acenaphthene	BRL		µg/kg dry	370	1	SW846 8270C	14-Jan-09	17-Jan-09	9010768	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	370	1	"	"	"	"	X
62-53-3	Aniline	BRL		µg/kg dry	370	1	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	370	1	"	"	"	"	X
1912-24-9	Atrazine	BRL		µg/kg dry	370	1	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/kg dry	370	1	"	"	"	"	
92-87-5	Benzidine	BRL		µg/kg dry	370	1	"	"	"	"	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	370	1	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	370	1	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	370	1	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	370	1	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	370	1	"	"	"	"	X
65-85-0	Benzoic acid	BRL		µg/kg dry	370	1	"	"	"	"	X
100-51-6	Benzyl alcohol	BRL		µg/kg dry	370	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C32	127-17797-08011	Soil	09-Jan-09 12:45	12-Jan-09
SA89727-06				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
111-91-1	Bis(2-chloroethoxy)methane	BRL		µg/kg dry	370	1	SW846 8270C	14-Jan-09	17-Jan-09	9010768	X
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/kg dry	370	1	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	370	1	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	370	1	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/kg dry	370	1	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	BRL		µg/kg dry	370	1	"	"	"	"	X
86-74-8	Carbazole	BRL		µg/kg dry	370	1	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	BRL		µg/kg dry	370	1	"	"	"	"	X
106-47-8	4-Chloroaniline	BRL		µg/kg dry	370	1	"	"	"	"	X
91-58-7	2-Chloronaphthalene	BRL		µg/kg dry	370	1	"	"	"	"	X
95-57-8	2-Chlorophenol	BRL		µg/kg dry	370	1	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/kg dry	370	1	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	370	1	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	370	1	"	"	"	"	X
132-64-9	Dibenzofuran	BRL		µg/kg dry	370	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	370	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	370	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	370	1	"	"	"	"	X
91-94-1	3,3'-Dichlorobenzidine	BRL		µg/kg dry	370	1	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	BRL		µg/kg dry	370	1	"	"	"	"	X
84-66-2	Diethyl phthalate	BRL		µg/kg dry	370	1	"	"	"	"	X
131-11-3	Dimethyl phthalate	BRL		µg/kg dry	370	1	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	BRL		µg/kg dry	370	1	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	BRL		µg/kg dry	370	1	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	370	1	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	BRL		µg/kg dry	370	1	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	BRL		µg/kg dry	370	1	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	BRL		µg/kg dry	370	1	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	BRL		µg/kg dry	370	1	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	370	1	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	370	1	"	"	"	"	X
118-74-1	Hexachlorobenzene	BRL		µg/kg dry	370	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	370	1	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	BRL		µg/kg dry	370	1	"	"	"	"	X
67-72-1	Hexachloroethane	BRL		µg/kg dry	370	1	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	370	1	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	370	1	"	"	"	"	
78-59-1	Isophorone	BRL		µg/kg dry	370	1	"	"	"	"	X
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	370	1	"	"	"	"	X
95-48-7	2-Methylphenol	BRL		µg/kg dry	370	1	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	BRL		µg/kg dry	370	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	370	1	"	"	"	"	X
88-74-4	2-Nitroaniline	BRL		µg/kg dry	370	1	"	"	"	"	X
99-09-2	3-Nitroaniline	BRL		µg/kg dry	370	1	"	"	"	"	X
100-01-6	4-Nitroaniline	BRL		µg/kg dry	1480	1	"	"	"	"	X
98-95-3	Nitrobenzene	BRL		µg/kg dry	370	1	"	"	"	"	X
88-75-5	2-Nitrophenol	BRL		µg/kg dry	370	1	"	"	"	"	X
100-02-7	4-Nitrophenol	BRL		µg/kg dry	1480	1	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	BRL		µg/kg dry	370	1	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/kg dry	370	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C32 SA89727-06	127-17797-08011	Soil	09-Jan-09 12:45	12-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
86-30-6	N-Nitrosodiphenylamine	BRL		µg/kg dry	370	1	SW846 8270C	14-Jan-09	17-Jan-09	9010768	X
87-86-5	Pentachlorophenol	BRL		µg/kg dry	370	1	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	370	1	"	"	"	"	X
108-95-2	Phenol	BRL		µg/kg dry	370	1	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	370	1	"	"	"	"	X
110-86-1	Pyridine	BRL		µg/kg dry	370	1	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	370	1	"	"	"	"	X
95-95-4	2,4,5-Trichlorophenol	BRL		µg/kg dry	370	1	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	BRL		µg/kg dry	370	1	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	BRL		µg/kg dry	370	1	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	370	1	"	"	"	"	X
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*81*		*30-130 %*			"	"	"	"	
367-12-4	*2-Fluorophenol*	*81*		*15-110 %*			"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*79*		*30-130 %*			"	"	"	"	
4165-62-2	*Phenol-d5*	*79*		*15-110 %*			"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*75*		*30-130 %*			"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*88*		*15-110 %*			"	"	"	"	
Semivolatile Organic Compounds by GC											
Polychlorinated Biphenyls by SW846 8082											
Prepared by method SW846 3550B											
12674-11-2	PCB 1016	BRL		µg/kg dry	22.4	1	SW846 8082	14-Jan-09	16-Jan-09	9010831	X
11104-28-2	PCB 1221	BRL		µg/kg dry	22.4	1	"	"	"	"	X
11141-16-5	PCB 1232	BRL		µg/kg dry	22.4	1	"	"	"	"	X
53469-21-9	PCB 1242	BRL		µg/kg dry	22.4	1	"	"	"	"	X
12672-29-6	PCB 1248	BRL		µg/kg dry	22.4	1	"	"	"	"	X
11097-69-1	PCB 1254	BRL		µg/kg dry	22.4	1	"	"	"	"	X
11096-82-5	PCB 1260	BRL		µg/kg dry	22.4	1	"	"	"	"	X
37324-23-5	PCB 1262	BRL		µg/kg dry	22.4	1	"	"	"	"	X
11100-14-4	PCB 1268	BRL		µg/kg dry	22.4	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*104*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*108*		*30-150 %*			"	"	"	"	
Chlorinated Herbicides by SW846 8151A											
Prepared by method SW846 3550B											
93-76-5	2,4,5-T	BRL		µg/kg dry	6.70	1	SW846 8151A	14-Jan-09	16-Jan-09	9010811	X
93-72-1	2,4,5-TP (Silvex)	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-75-7	2,4-D	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-82-6	2,4-DB	BRL		µg/kg dry	6.70	1	"	"	"	"	X
75-99-0	Dalapon	BRL		µg/kg dry	6.70	1	"	"	"	"	X
1918-00-9	Dicamba	BRL		µg/kg dry	6.70	1	"	"	"	"	X
120-36-5	Dichlorprop	BRL		µg/kg dry	6.70	1	"	"	"	"	X
88-85-7	Dinoseb	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-74-6	MCPA	BRL		µg/kg dry	670	1	"	"	"	"	X
94-81-5	MCPB	BRL		µg/kg dry	670	1	"	"	"	"	
93-65-2	MCPP	BRL		µg/kg dry	670	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*110*		*30-150 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C32 SA89727-06	127-17797-08011	Soil	09-Jan-09 12:45	12-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3550B											
8006-61-9	Gasoline	BRL		mg/kg dry	14.9	1	+CT ETPH	14-Jan-09	15-Jan-09	9010767	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	14.9	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	14.9	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	14.9	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	14.9	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	14.9	1	"	"	"	"	
	Unidentified	BRL		mg/kg dry	14.9	1	"	"	"	"	
	Other Oil	BRL		mg/kg dry	14.9	1	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL		mg/kg dry	14.9	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	14.9	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*93*		*50-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	BRL		mg/kg dry	1.56	1	SW846 6010B	15-Jan-09	16-Jan-09	9010634	X
7440-38-2	Arsenic	BRL		mg/kg dry	1.56	1	"	"	"	"	X
7440-39-3	Barium	68.1		mg/kg dry	1.04	1	"	"	"	"	X
7440-43-9	Cadmium	BRL		mg/kg dry	0.521	1	"	"	"	"	X
7440-47-3	Chromium	7.92		mg/kg dry	1.04	1	"	"	"	"	X
7439-97-6	Mercury	BRL		mg/kg dry	0.0319	1	SW846 7471A	13-Jan-09	16-Jan-09	9010635	X
7439-92-1	Lead	10.4		mg/kg dry	1.56	1	SW846 6010B	15-Jan-09	16-Jan-09	9010634	X
7782-49-2	Selenium	BRL		mg/kg dry	1.56	1	"	"	"	"	X
General Chemistry Parameters											
	% Solids	88.7		%		1	SM2540 G Mod.	14-Jan-09	14-Jan-09	9010818	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C31 SA89727-07	127-17797-08011	Soil	09-Jan-09 13:15	12-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	13-Jan-09	13-Jan-09	9010735	
Volatile Organic Compounds						Initial weight: 5.55 g					
Prepared by method SW846 5035A Soil (low level)											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	7.6	1	SW846 8260B	13-Jan-09	13-Jan-09	9010690	X
67-64-1	Acetone	BRL		µg/kg dry	75.9	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	7.6	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	7.6	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	7.6	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	7.6	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	15.2	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	75.9	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	38.0	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	7.6	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	15.2	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	7.6	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	15.2	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	15.2	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	7.6	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	7.6	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	7.6	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	15.2	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	7.6	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	7.6	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	7.6	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	7.6	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	7.6	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	75.9	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	7.6	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	75.9	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	75.9	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	7.6	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C31 SA89727-07	127-17797-08011	Soil	09-Jan-09 13:15	12-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
Volatile Organic Compounds											
Prepared by method SW846 5035A Soil (low level)						Initial weight: 5.55 g					
103-65-1	n-Propylbenzene	BRL		µg/kg dry	7.6	1	SW846 8260B	13-Jan-09	13-Jan-09	9010690	X
100-42-5	Styrene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	7.6	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	7.6	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	7.6	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	7.6	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	7.6	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	7.6	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	7.6	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	7.6	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	7.6	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	15.2	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	75.9	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	7.6	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	7.6	1	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	7.6	1	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	7.6	1	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	75.9	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	152	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	38.0	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	3040	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*85*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*91*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*121*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*104*		*70-130 %*			"	"	"	"	
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
83-32-9	Acenaphthene	BRL		µg/kg dry	435	1	SW846 8270C	14-Jan-09	17-Jan-09	9010768	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	435	1	"	"	"	"	X
62-53-3	Aniline	BRL		µg/kg dry	435	1	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	435	1	"	"	"	"	X
1912-24-9	Atrazine	BRL		µg/kg dry	435	1	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/kg dry	435	1	"	"	"	"	
92-87-5	Benzidine	BRL		µg/kg dry	435	1	"	"	"	"	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	435	1	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	435	1	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	435	1	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	435	1	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	435	1	"	"	"	"	X
65-85-0	Benzoic acid	BRL		µg/kg dry	435	1	"	"	"	"	X
100-51-6	Benzyl alcohol	BRL		µg/kg dry	435	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C31 SA89727-07	127-17797-08011	Soil	09-Jan-09 13:15	12-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
111-91-1	Bis(2-chloroethoxy)methane	BRL		µg/kg dry	435	1	SW846 8270C	14-Jan-09	17-Jan-09	9010768	X
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/kg dry	435	1	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	435	1	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	435	1	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/kg dry	435	1	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	BRL		µg/kg dry	435	1	"	"	"	"	X
86-74-8	Carbazole	BRL		µg/kg dry	435	1	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	BRL		µg/kg dry	435	1	"	"	"	"	X
106-47-8	4-Chloroaniline	BRL		µg/kg dry	435	1	"	"	"	"	X
91-58-7	2-Chloronaphthalene	BRL		µg/kg dry	435	1	"	"	"	"	X
95-57-8	2-Chlorophenol	BRL		µg/kg dry	435	1	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/kg dry	435	1	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	435	1	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	435	1	"	"	"	"	X
132-64-9	Dibenzofuran	BRL		µg/kg dry	435	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	435	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	435	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	435	1	"	"	"	"	X
91-94-1	3,3'-Dichlorobenzidine	BRL		µg/kg dry	435	1	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	BRL		µg/kg dry	435	1	"	"	"	"	X
84-66-2	Diethyl phthalate	BRL		µg/kg dry	435	1	"	"	"	"	X
131-11-3	Dimethyl phthalate	BRL		µg/kg dry	435	1	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	BRL		µg/kg dry	435	1	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	BRL		µg/kg dry	435	1	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	435	1	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	BRL		µg/kg dry	435	1	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	BRL		µg/kg dry	435	1	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	BRL		µg/kg dry	435	1	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	BRL		µg/kg dry	435	1	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	435	1	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	435	1	"	"	"	"	X
118-74-1	Hexachlorobenzene	BRL		µg/kg dry	435	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	435	1	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	BRL		µg/kg dry	435	1	"	"	"	"	X
67-72-1	Hexachloroethane	BRL		µg/kg dry	435	1	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	435	1	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	435	1	"	"	"	"	
78-59-1	Isophorone	BRL		µg/kg dry	435	1	"	"	"	"	X
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	435	1	"	"	"	"	X
95-48-7	2-Methylphenol	BRL		µg/kg dry	435	1	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	BRL		µg/kg dry	435	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	435	1	"	"	"	"	X
88-74-4	2-Nitroaniline	BRL		µg/kg dry	435	1	"	"	"	"	X
99-09-2	3-Nitroaniline	BRL		µg/kg dry	435	1	"	"	"	"	X
100-01-6	4-Nitroaniline	BRL		µg/kg dry	1740	1	"	"	"	"	X
98-95-3	Nitrobenzene	BRL		µg/kg dry	435	1	"	"	"	"	X
88-75-5	2-Nitrophenol	BRL		µg/kg dry	435	1	"	"	"	"	X
100-02-7	4-Nitrophenol	BRL		µg/kg dry	1740	1	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	BRL		µg/kg dry	435	1	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/kg dry	435	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C31	127-17797-08011	Soil	09-Jan-09 13:15	12-Jan-09
SA89727-07				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
86-30-6	N-Nitrosodiphenylamine	BRL		µg/kg dry	435	1	SW846 8270C	14-Jan-09	17-Jan-09	9010768	X
87-86-5	Pentachlorophenol	BRL		µg/kg dry	435	1	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	435	1	"	"	"	"	X
108-95-2	Phenol	BRL		µg/kg dry	435	1	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	435	1	"	"	"	"	X
110-86-1	Pyridine	BRL		µg/kg dry	435	1	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	435	1	"	"	"	"	X
95-95-4	2,4,5-Trichlorophenol	BRL		µg/kg dry	435	1	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	BRL		µg/kg dry	435	1	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	BRL		µg/kg dry	435	1	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	435	1	"	"	"	"	X
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*69*		*30-130 %*			"	"	"	"	
367-12-4	*2-Fluorophenol*	*66*		*15-110 %*			"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*67*		*30-130 %*			"	"	"	"	
4165-62-2	*Phenol-d5*	*63*		*15-110 %*			"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*63*		*30-130 %*			"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*71*		*15-110 %*			"	"	"	"	
Semivolatile Organic Compounds by GC											
Polychlorinated Biphenyls by SW846 8082											
Prepared by method SW846 3550B											
12674-11-2	PCB 1016	BRL		µg/kg dry	26.3	1	SW846 8082	14-Jan-09	16-Jan-09	9010831	X
11104-28-2	PCB 1221	BRL		µg/kg dry	26.3	1	"	"	"	"	X
11141-16-5	PCB 1232	BRL		µg/kg dry	26.3	1	"	"	"	"	X
53469-21-9	PCB 1242	BRL		µg/kg dry	26.3	1	"	"	"	"	X
12672-29-6	PCB 1248	BRL		µg/kg dry	26.3	1	"	"	"	"	X
11097-69-1	PCB 1254	BRL		µg/kg dry	26.3	1	"	"	"	"	X
11096-82-5	PCB 1260	BRL		µg/kg dry	26.3	1	"	"	"	"	X
37324-23-5	PCB 1262	BRL		µg/kg dry	26.3	1	"	"	"	"	X
11100-14-4	PCB 1268	BRL		µg/kg dry	26.3	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*106*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*104*		*30-150 %*			"	"	"	"	
Chlorinated Herbicides by SW846 8151A											
Prepared by method SW846 3550B											
93-76-5	2,4,5-T	BRL		µg/kg dry	6.70	1	SW846 8151A	14-Jan-09	16-Jan-09	9010811	X
93-72-1	2,4,5-TP (Silvex)	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-75-7	2,4-D	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-82-6	2,4-DB	BRL		µg/kg dry	6.70	1	"	"	"	"	X
75-99-0	Dalapon	BRL		µg/kg dry	6.70	1	"	"	"	"	X
1918-00-9	Dicamba	BRL		µg/kg dry	6.70	1	"	"	"	"	X
120-36-5	Dichlorprop	BRL		µg/kg dry	6.70	1	"	"	"	"	X
88-85-7	Dinoseb	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-74-6	MCPA	BRL		µg/kg dry	670	1	"	"	"	"	X
94-81-5	MCPB	BRL		µg/kg dry	670	1	"	"	"	"	
93-65-2	MCPP	BRL		µg/kg dry	670	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*78*		*30-150 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C31 SA89727-07	127-17797-08011	Soil	09-Jan-09 13:15	12-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3550B											
8006-61-9	Gasoline	BRL		mg/kg dry	17.5	1	+CT ETPH	14-Jan-09	15-Jan-09	9010767	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	17.5	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	17.5	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	17.5	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	17.5	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	17.5	1	"	"	"	"	
	Unidentified	BRL		mg/kg dry	17.5	1	"	"	"	"	
	Other Oil	BRL		mg/kg dry	17.5	1	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL		mg/kg dry	17.5	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	17.5	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*80*		*50-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	BRL		mg/kg dry	1.75	1	SW846 6010B	15-Jan-09	16-Jan-09	9010634	X
7440-38-2	Arsenic	3.83		mg/kg dry	1.75	1	"	"	"	"	X
7440-39-3	Barium	97.1		mg/kg dry	1.16	1	"	"	"	"	X
7440-43-9	Cadmium	BRL		mg/kg dry	0.582	1	"	"	"	"	X
7440-47-3	Chromium	15.9		mg/kg dry	1.16	1	"	"	"	"	X
7439-97-6	Mercury	0.135		mg/kg dry	0.0376	1	SW846 7471A	13-Jan-09	16-Jan-09	9010635	X
7439-92-1	Lead	39.6		mg/kg dry	1.75	1	SW846 6010B	15-Jan-09	16-Jan-09	9010634	X
7782-49-2	Selenium	3.10		mg/kg dry	1.75	1	"	"	"	"	X
General Chemistry Parameters											
	% Solids	75.5		%		1	SM2540 G Mod.	14-Jan-09	14-Jan-09	9010818	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-30 SA89727-08	127-17797-08011	Soil	09-Jan-09 13:50	12-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	13-Jan-09	13-Jan-09	9010735	
Volatile Organic Compounds						Initial weight: 5.37 g					
Prepared by method SW846 5035A Soil (low level)											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	8.0	1	SW846 8260B	13-Jan-09	13-Jan-09	9010690	X
67-64-1	Acetone	BRL		µg/kg dry	79.8	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	8.0	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	8.0	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	8.0	1	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	8.0	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	8.0	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	8.0	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	16.0	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	79.8	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	8.0	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	8.0	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	8.0	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	39.9	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	8.0	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	8.0	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	16.0	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	8.0	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	16.0	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	8.0	1	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	8.0	1	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	16.0	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	8.0	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	8.0	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	8.0	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	8.0	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	8.0	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	8.0	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	16.0	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	8.0	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	8.0	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	8.0	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	8.0	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	8.0	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	8.0	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	8.0	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	8.0	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	8.0	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	8.0	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	8.0	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	8.0	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	8.0	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	79.8	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	8.0	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	8.0	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	8.0	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	79.8	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	79.8	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	8.0	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-30 SA89727-08	127-17797-08011	Soil	09-Jan-09 13:50	12-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
Volatile Organic Compounds						Initial weight: 5.37 g					
Prepared by method SW846 5035A Soil (low level)											
103-65-1	n-Propylbenzene	BRL		µg/kg dry	8.0	1	SW846 8260B	13-Jan-09	13-Jan-09	9010690	X
100-42-5	Styrene	BRL		µg/kg dry	8.0	1	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	8.0	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	8.0	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	8.0	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	8.0	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	8.0	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	8.0	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	8.0	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	8.0	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	8.0	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	8.0	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	8.0	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	8.0	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	8.0	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	8.0	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	8.0	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	16.0	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	8.0	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	79.8	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	8.0	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	8.0	1	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	8.0	1	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	8.0	1	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	79.8	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	160	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	39.9	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	3190	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*83*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*92*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*120*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*105*		*70-130 %*			"	"	"	"	
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
83-32-9	Acenaphthene	BRL		µg/kg dry	437	1	SW846 8270C	14-Jan-09	17-Jan-09	9010768	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	437	1	"	"	"	"	X
62-53-3	Aniline	BRL		µg/kg dry	437	1	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	437	1	"	"	"	"	X
1912-24-9	Atrazine	BRL		µg/kg dry	437	1	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/kg dry	437	1	"	"	"	"	
92-87-5	Benzidine	BRL		µg/kg dry	437	1	"	"	"	"	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	437	1	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	437	1	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	437	1	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	437	1	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	437	1	"	"	"	"	X
65-85-0	Benzoic acid	BRL		µg/kg dry	437	1	"	"	"	"	X
100-51-6	Benzyl alcohol	BRL		µg/kg dry	437	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-30 SA89727-08	127-17797-08011	Soil	09-Jan-09 13:50	12-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
111-91-1	Bis(2-chloroethoxy)methane	BRL		µg/kg dry	437	1	SW846 8270C	14-Jan-09	17-Jan-09	9010768	X
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/kg dry	437	1	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	437	1	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	437	1	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/kg dry	437	1	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	BRL		µg/kg dry	437	1	"	"	"	"	X
86-74-8	Carbazole	BRL		µg/kg dry	437	1	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	BRL		µg/kg dry	437	1	"	"	"	"	X
106-47-8	4-Chloroaniline	BRL		µg/kg dry	437	1	"	"	"	"	X
91-58-7	2-Chloronaphthalene	BRL		µg/kg dry	437	1	"	"	"	"	X
95-57-8	2-Chlorophenol	BRL		µg/kg dry	437	1	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/kg dry	437	1	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	437	1	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	437	1	"	"	"	"	X
132-64-9	Dibenzofuran	BRL		µg/kg dry	437	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	437	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	437	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	437	1	"	"	"	"	X
91-94-1	3,3'-Dichlorobenzidine	BRL		µg/kg dry	437	1	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	BRL		µg/kg dry	437	1	"	"	"	"	X
84-66-2	Diethyl phthalate	BRL		µg/kg dry	437	1	"	"	"	"	X
131-11-3	Dimethyl phthalate	BRL		µg/kg dry	437	1	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	BRL		µg/kg dry	437	1	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	BRL		µg/kg dry	437	1	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	437	1	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	BRL		µg/kg dry	437	1	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	BRL		µg/kg dry	437	1	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	BRL		µg/kg dry	437	1	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	BRL		µg/kg dry	437	1	"	"	"	"	X
206-44-0	Fluoranthene	558		µg/kg dry	437	1	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	437	1	"	"	"	"	X
118-74-1	Hexachlorobenzene	BRL		µg/kg dry	437	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	437	1	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	BRL		µg/kg dry	437	1	"	"	"	"	X
67-72-1	Hexachloroethane	BRL		µg/kg dry	437	1	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	437	1	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	437	1	"	"	"	"	
78-59-1	Isophorone	BRL		µg/kg dry	437	1	"	"	"	"	X
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	437	1	"	"	"	"	X
95-48-7	2-Methylphenol	BRL		µg/kg dry	437	1	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	BRL		µg/kg dry	437	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	437	1	"	"	"	"	X
88-74-4	2-Nitroaniline	BRL		µg/kg dry	437	1	"	"	"	"	X
99-09-2	3-Nitroaniline	BRL		µg/kg dry	437	1	"	"	"	"	X
100-01-6	4-Nitroaniline	BRL		µg/kg dry	1750	1	"	"	"	"	X
98-95-3	Nitrobenzene	BRL		µg/kg dry	437	1	"	"	"	"	X
88-75-5	2-Nitrophenol	BRL		µg/kg dry	437	1	"	"	"	"	X
100-02-7	4-Nitrophenol	BRL		µg/kg dry	1750	1	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	BRL		µg/kg dry	437	1	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/kg dry	437	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-30 SA89727-08	127-17797-08011	Soil	09-Jan-09 13:50	12-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
86-30-6	N-Nitrosodiphenylamine	BRL		µg/kg dry	437	1	SW846 8270C	14-Jan-09	17-Jan-09	9010768	X
87-86-5	Pentachlorophenol	BRL		µg/kg dry	437	1	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	437	1	"	"	"	"	X
108-95-2	Phenol	BRL		µg/kg dry	437	1	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	437	1	"	"	"	"	X
110-86-1	Pyridine	BRL		µg/kg dry	437	1	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	437	1	"	"	"	"	X
95-95-4	2,4,5-Trichlorophenol	BRL		µg/kg dry	437	1	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	BRL		µg/kg dry	437	1	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	BRL		µg/kg dry	437	1	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	437	1	"	"	"	"	X
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*79*		*30-130 %*			"	"	"	"	
367-12-4	*2-Fluorophenol*	*77*		*15-110 %*			"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*75*		*30-130 %*			"	"	"	"	
4165-62-2	*Phenol-d5*	*76*		*15-110 %*			"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*77*		*30-130 %*			"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*87*		*15-110 %*			"	"	"	"	
Semivolatile Organic Compounds by GC											
Polychlorinated Biphenyls by SW846 8082											
Prepared by method SW846 3550B											
12674-11-2	PCB 1016	BRL		µg/kg dry	26.0	1	SW846 8082	14-Jan-09	16-Jan-09	9010831	X
11104-28-2	PCB 1221	BRL		µg/kg dry	26.0	1	"	"	"	"	X
11141-16-5	PCB 1232	BRL		µg/kg dry	26.0	1	"	"	"	"	X
53469-21-9	PCB 1242	BRL		µg/kg dry	26.0	1	"	"	"	"	X
12672-29-6	PCB 1248	BRL		µg/kg dry	26.0	1	"	"	"	"	X
11097-69-1	PCB 1254	BRL		µg/kg dry	26.0	1	"	"	"	"	X
11096-82-5	PCB 1260	BRL		µg/kg dry	26.0	1	"	"	"	"	X
37324-23-5	PCB 1262	BRL		µg/kg dry	26.0	1	"	"	"	"	X
11100-14-4	PCB 1268	BRL		µg/kg dry	26.0	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*104*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*104*		*30-150 %*			"	"	"	"	
Chlorinated Herbicides by SW846 8151A											
Prepared by method SW846 3550B											
93-76-5	2,4,5-T	BRL		µg/kg dry	6.70	1	SW846 8151A	14-Jan-09	16-Jan-09	9010811	X
93-72-1	2,4,5-TP (Silvex)	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-75-7	2,4-D	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-82-6	2,4-DB	BRL		µg/kg dry	6.70	1	"	"	"	"	X
75-99-0	Dalapon	BRL		µg/kg dry	6.70	1	"	"	"	"	X
1918-00-9	Dicamba	BRL		µg/kg dry	6.70	1	"	"	"	"	X
120-36-5	Dichlorprop	BRL		µg/kg dry	6.70	1	"	"	"	"	X
88-85-7	Dinoseb	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-74-6	MCPA	BRL		µg/kg dry	670	1	"	"	"	"	X
94-81-5	MCPB	BRL		µg/kg dry	670	1	"	"	"	"	
93-65-2	MCPP	BRL		µg/kg dry	670	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*90*		*30-150 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-30 SA89727-08	127-17797-08011	Soil	09-Jan-09 13:50	12-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3550B											
8006-61-9	Gasoline	BRL		mg/kg dry	17.6	1	+CT ETPH	14-Jan-09	15-Jan-09	9010767	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	17.6	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	17.6	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	17.6	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	17.6	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	17.6	1	"	"	"	"	
	Unidentified	45.9		mg/kg dry	17.6	1	"	"	"	"	
	Other Oil	Calculated as		mg/kg dry	17.6	1	"	"	"	"	
	Total Petroleum Hydrocarbons	45.9		mg/kg dry	17.6	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	45.9		mg/kg dry	17.6	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*101*		*50-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	BRL		mg/kg dry	1.73	1	SW846 6010B	15-Jan-09	16-Jan-09	9010634	X
7440-38-2	Arsenic	12.9		mg/kg dry	1.73	1	"	"	"	"	X
7440-39-3	Barium	154		mg/kg dry	1.15	1	"	"	"	"	X
7440-43-9	Cadmium	0.679		mg/kg dry	0.575	1	"	"	"	"	X
7440-47-3	Chromium	23.8		mg/kg dry	1.15	1	"	"	"	"	X
7439-97-6	Mercury	0.0438		mg/kg dry	0.0391	1	SW846 7471A	13-Jan-09	16-Jan-09	9010635	X
7439-92-1	Lead	115		mg/kg dry	1.73	1	SW846 6010B	15-Jan-09	16-Jan-09	9010634	X
7782-49-2	Selenium	3.07		mg/kg dry	1.73	1	"	"	"	"	X
TCLP Metals by EPA 1311 & 6000/7000 Series Methods											
	TCLP Extraction	Completed		N/A		1	SW846 1311	04-Feb-09	04-Feb-09	9020341	X
7439-92-1	Lead	0.0843		mg/l	0.0075	1	SW846 1311/6010B	06-Feb-09	06-Feb-09	9020349	X
SPLP Metals by EPA 1312 & 6000/7000 Series Methods											
	SPLP Extraction	Completed		N/A		1	SW846 1312	03-Feb-09	03-Feb-09	9020240	
7440-38-2	Arsenic	BRL		mg/l	0.0080	1	SW846 1312/6010B	04-Feb-09	04-Feb-09	9020248	
General Chemistry Parameters											
	% Solids	74.4		%		1	SM2540 G Mod.	14-Jan-09	14-Jan-09	9010818	

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010690 - SW846 5035A Soil (low level)										
Blank (9010690-BLK1)										
Prepared & Analyzed: 13-Jan-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg wet	5.0						
Acetone	BRL		µg/kg wet	50.0						
Acrylonitrile	BRL		µg/kg wet	5.0						
Benzene	BRL		µg/kg wet	5.0						
Bromobenzene	BRL		µg/kg wet	5.0						
Bromochloromethane	BRL		µg/kg wet	5.0						
Bromodichloromethane	BRL		µg/kg wet	5.0						
Bromoform	BRL		µg/kg wet	5.0						
Bromomethane	BRL		µg/kg wet	10.0						
2-Butanone (MEK)	BRL		µg/kg wet	50.0						
n-Butylbenzene	BRL		µg/kg wet	5.0						
sec-Butylbenzene	BRL		µg/kg wet	5.0						
tert-Butylbenzene	BRL		µg/kg wet	5.0						
Carbon disulfide	BRL		µg/kg wet	25.0						
Carbon tetrachloride	BRL		µg/kg wet	5.0						
Chlorobenzene	BRL		µg/kg wet	5.0						
Chloroethane	BRL		µg/kg wet	10.0						
Chloroform	BRL		µg/kg wet	5.0						
Chloromethane	BRL		µg/kg wet	10.0						
2-Chlorotoluene	BRL		µg/kg wet	5.0						
4-Chlorotoluene	BRL		µg/kg wet	5.0						
1,2-Dibromo-3-chloropropane	BRL		µg/kg wet	10.0						
Dibromochloromethane	BRL		µg/kg wet	5.0						
1,2-Dibromoethane (EDB)	BRL		µg/kg wet	5.0						
Dibromomethane	BRL		µg/kg wet	5.0						
1,2-Dichlorobenzene	BRL		µg/kg wet	5.0						
1,3-Dichlorobenzene	BRL		µg/kg wet	5.0						
1,4-Dichlorobenzene	BRL		µg/kg wet	5.0						
Dichlorodifluoromethane (Freon12)	BRL		µg/kg wet	10.0						
1,1-Dichloroethane	BRL		µg/kg wet	5.0						
1,2-Dichloroethane	BRL		µg/kg wet	5.0						
1,1-Dichloroethene	BRL		µg/kg wet	5.0						
cis-1,2-Dichloroethene	BRL		µg/kg wet	5.0						
trans-1,2-Dichloroethene	BRL		µg/kg wet	5.0						
1,2-Dichloropropane	BRL		µg/kg wet	5.0						
1,3-Dichloropropane	BRL		µg/kg wet	5.0						
2,2-Dichloropropane	BRL		µg/kg wet	5.0						
1,1-Dichloropropene	BRL		µg/kg wet	5.0						
cis-1,3-Dichloropropene	BRL		µg/kg wet	5.0						
trans-1,3-Dichloropropene	BRL		µg/kg wet	5.0						
Ethylbenzene	BRL		µg/kg wet	5.0						
Hexachlorobutadiene	BRL		µg/kg wet	5.0						
2-Hexanone (MBK)	BRL		µg/kg wet	50.0						
Isopropylbenzene	BRL		µg/kg wet	5.0						
4-Isopropyltoluene	BRL		µg/kg wet	5.0						
Methyl tert-butyl ether	BRL		µg/kg wet	5.0						
4-Methyl-2-pentanone (MIBK)	BRL		µg/kg wet	50.0						
Methylene chloride	BRL		µg/kg wet	50.0						
Naphthalene	BRL		µg/kg wet	5.0						

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010690 - SW846 5035A Soil (low level)										
Blank (9010690-BLK1)										
Prepared & Analyzed: 13-Jan-09										
n-Propylbenzene	BRL		µg/kg wet	5.0						
Styrene	BRL		µg/kg wet	5.0						
1,1,1,2-Tetrachloroethane	BRL		µg/kg wet	5.0						
1,1,2,2-Tetrachloroethane	BRL		µg/kg wet	5.0						
Tetrachloroethene	BRL		µg/kg wet	5.0						
Toluene	BRL		µg/kg wet	5.0						
1,2,3-Trichlorobenzene	BRL		µg/kg wet	5.0						
1,2,4-Trichlorobenzene	BRL		µg/kg wet	5.0						
1,3,5-Trichlorobenzene	BRL		µg/kg wet	5.0						
1,1,1-Trichloroethane	BRL		µg/kg wet	5.0						
1,1,2-Trichloroethane	BRL		µg/kg wet	5.0						
Trichloroethene	BRL		µg/kg wet	5.0						
Trichlorofluoromethane (Freon 11)	BRL		µg/kg wet	5.0						
1,2,3-Trichloropropane	BRL		µg/kg wet	5.0						
1,2,4-Trimethylbenzene	BRL		µg/kg wet	5.0						
1,3,5-Trimethylbenzene	BRL		µg/kg wet	5.0						
Vinyl chloride	BRL		µg/kg wet	5.0						
m,p-Xylene	BRL		µg/kg wet	10.0						
o-Xylene	BRL		µg/kg wet	5.0						
Tetrahydrofuran	BRL		µg/kg wet	50.0						
Ethyl ether	BRL		µg/kg wet	5.0						
Tert-amyl methyl ether	BRL		µg/kg wet	5.0						
Ethyl tert-butyl ether	BRL		µg/kg wet	5.0						
Di-isopropyl ether	BRL		µg/kg wet	5.0						
Tert-Butanol / butyl alcohol	BRL		µg/kg wet	50.0						
1,4-Dioxane	BRL		µg/kg wet	100						
trans-1,4-Dichloro-2-butene	BRL		µg/kg wet	25.0						
Ethanol	BRL		µg/kg wet	2000						
Surrogate: 4-Bromofluorobenzene	*48.5*		µg/kg wet		*50.0*		*97*	*70-130*		
Surrogate: Toluene-d8	*49.1*		µg/kg wet		*50.0*		*98*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*59.6*		µg/kg wet		*50.0*		*119*	*70-130*		
Surrogate: Dibromofluoromethane	*53.3*		µg/kg wet		*50.0*		*107*	*70-130*		
LCS (9010690-BS1)										
Prepared & Analyzed: 13-Jan-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	19.8		µg/kg wet		20.0		99	70-130		
Acetone	15.9		µg/kg wet		20.0		80	7.9-168		
Acrylonitrile	20.8		µg/kg wet		20.0		104	70-130		
Benzene	20.9		µg/kg wet		20.0		104	70-130		
Bromobenzene	19.4		µg/kg wet		20.0		97	70-130		
Bromochloromethane	19.0		µg/kg wet		20.0		95	70-130		
Bromodichloromethane	20.4		µg/kg wet		20.0		102	70-130		
Bromoform	20.0		µg/kg wet		20.0		100	70-130		
Bromomethane	18.8		µg/kg wet		20.0		94	50-134		
2-Butanone (MEK)	16.7		µg/kg wet		20.0		84	44.6-130		
n-Butylbenzene	22.6		µg/kg wet		20.0		113	70-130		
sec-Butylbenzene	21.5		µg/kg wet		20.0		108	70-130		
tert-Butylbenzene	20.4		µg/kg wet		20.0		102	70-130		
Carbon disulfide	21.6		µg/kg wet		20.0		108	70-130		
Carbon tetrachloride	19.8		µg/kg wet		20.0		99	70-130		
Chlorobenzene	20.1		µg/kg wet		20.0		100	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010690 - SW846 5035A Soil (low level)										
LCS (9010690-BS1)										
Prepared & Analyzed: 13-Jan-09										
Chloroethane	18.8		µg/kg wet		20.0		94	59.2-130		
Chloroform	18.3		µg/kg wet		20.0		92	70-130		
Chloromethane	18.1		µg/kg wet		20.0		91	70-130		
2-Chlorotoluene	21.5		µg/kg wet		20.0		107	70-130		
4-Chlorotoluene	21.2		µg/kg wet		20.0		106	70-130		
1,2-Dibromo-3-chloropropane	22.2		µg/kg wet		20.0		111	70-130		
Dibromochloromethane	19.6		µg/kg wet		20.0		98	63.8-130		
1,2-Dibromoethane (EDB)	18.4		µg/kg wet		20.0		92	70-130		
Dibromomethane	18.8		µg/kg wet		20.0		94	70-130		
1,2-Dichlorobenzene	21.0		µg/kg wet		20.0		105	70-130		
1,3-Dichlorobenzene	20.1		µg/kg wet		20.0		101	70-130		
1,4-Dichlorobenzene	20.8		µg/kg wet		20.0		104	70-130		
Dichlorodifluoromethane (Freon12)	15.9		µg/kg wet		20.0		80	41.8-130		
1,1-Dichloroethane	19.9		µg/kg wet		20.0		99	70-130		
1,2-Dichloroethane	19.0		µg/kg wet		20.0		95	70-130		
1,1-Dichloroethene	21.5		µg/kg wet		20.0		108	70-130		
cis-1,2-Dichloroethene	19.1		µg/kg wet		20.0		96	70-130		
trans-1,2-Dichloroethene	19.8		µg/kg wet		20.0		99	70-130		
1,2-Dichloropropane	21.3		µg/kg wet		20.0		107	70-130		
1,3-Dichloropropane	19.6		µg/kg wet		20.0		98	70-130		
2,2-Dichloropropane	18.3		µg/kg wet		20.0		92	70-130		
1,1-Dichloropropene	20.2		µg/kg wet		20.0		101	70-130		
cis-1,3-Dichloropropene	18.5		µg/kg wet		20.0		93	70-130		
trans-1,3-Dichloropropene	20.1		µg/kg wet		20.0		100	70-130		
Ethylbenzene	20.6		µg/kg wet		20.0		103	70-130		
Hexachlorobutadiene	18.6		µg/kg wet		20.0		93	68.3-130		
2-Hexanone (MBK)	18.4		µg/kg wet		20.0		92	70-130		
Isopropylbenzene	20.4		µg/kg wet		20.0		102	70-130		
4-Isopropyltoluene	21.3		µg/kg wet		20.0		107	70-130		
Methyl tert-butyl ether	20.0		µg/kg wet		20.0		100	70-130		
4-Methyl-2-pentanone (MIBK)	15.7		µg/kg wet		20.0		79	53.1-132		
Methylene chloride	20.2		µg/kg wet		20.0		101	70-130		
Naphthalene	18.1		µg/kg wet		20.0		91	70-130		
n-Propylbenzene	21.2		µg/kg wet		20.0		106	70-130		
Styrene	20.9		µg/kg wet		20.0		105	70-130		
1,1,1,2-Tetrachloroethane	20.1		µg/kg wet		20.0		100	70-130		
1,1,2,2-Tetrachloroethane	21.6		µg/kg wet		20.0		108	70-130		
Tetrachloroethene	18.6		µg/kg wet		20.0		93	70-130		
Toluene	17.7		µg/kg wet		20.0		89	70-130		
1,2,3-Trichlorobenzene	19.7		µg/kg wet		20.0		99	70-130		
1,2,4-Trichlorobenzene	19.7		µg/kg wet		20.0		99	70-130		
1,3,5-Trichlorobenzene	20.2		µg/kg wet		20.0		101	70-130		
1,1,1-Trichloroethane	19.5		µg/kg wet		20.0		97	70-130		
1,1,2-Trichloroethane	19.2		µg/kg wet		20.0		96	70-130		
Trichloroethene	20.0		µg/kg wet		20.0		100	70-130		
Trichlorofluoromethane (Freon 11)	19.8		µg/kg wet		20.0		99	68.2-130		
1,2,3-Trichloropropane	19.8		µg/kg wet		20.0		99	70-130		
1,2,4-Trimethylbenzene	20.9		µg/kg wet		20.0		104	70-130		
1,3,5-Trimethylbenzene	20.9		µg/kg wet		20.0		104	70-130		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010690 - SW846 5035A Soil (low level)										
LCS (9010690-BS1)										
Prepared & Analyzed: 13-Jan-09										
Vinyl chloride	20.6		µg/kg wet		20.0		103	70-130		
m,p-Xylene	43.0		µg/kg wet		40.0		107	70-130		
o-Xylene	20.7		µg/kg wet		20.0		104	70-130		
Tetrahydrofuran	18.3		µg/kg wet		20.0		92	70-130		
Ethyl ether	19.7		µg/kg wet		20.0		98	70-130		
Tert-amyl methyl ether	17.7		µg/kg wet		20.0		88	70-130		
Ethyl tert-butyl ether	19.1		µg/kg wet		20.0		95	70-130		
Di-isopropyl ether	19.8		µg/kg wet		20.0		99	70-130		
Tert-Butanol / butyl alcohol	205		µg/kg wet		200		102	70-130		
1,4-Dioxane	167		µg/kg wet		200		83	48.7-130		
trans-1,4-Dichloro-2-butene	19.7		µg/kg wet		20.0		99	70-130		
Ethanol	426		µg/kg wet		400		107	70-130		
Surrogate: 4-Bromofluorobenzene	*50.2*		µg/kg wet		*50.0*		*100*	*70-130*		
Surrogate: Toluene-d8	*47.1*		µg/kg wet		*50.0*		*94*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*47.0*		µg/kg wet		*50.0*		*94*	*70-130*		
Surrogate: Dibromofluoromethane	*46.6*		µg/kg wet		*50.0*		*93*	*70-130*		
LCS Dup (9010690-BSD1)										
Prepared & Analyzed: 13-Jan-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	21.3		µg/kg wet		20.0		106	70-130	7	25
Acetone	10.0		µg/kg wet		20.0		50	7.9-168	46	50
Acrylonitrile	15.8	QR2	µg/kg wet		20.0		79	70-130	27	25
Benzene	20.7		µg/kg wet		20.0		103	70-130	1	25
Bromobenzene	17.6		µg/kg wet		20.0		88	70-130	10	25
Bromochloromethane	15.1		µg/kg wet		20.0		75	70-130	23	25
Bromodichloromethane	19.9		µg/kg wet		20.0		99	70-130	3	25
Bromoform	19.1		µg/kg wet		20.0		95	70-130	5	25
Bromomethane	12.6		µg/kg wet		20.0		63	50-134	40	50
2-Butanone (MEK)	15.2		µg/kg wet		20.0		76	44.6-130	10	50
n-Butylbenzene	21.5		µg/kg wet		20.0		108	70-130	5	25
sec-Butylbenzene	17.4		µg/kg wet		20.0		87	70-130	21	25
tert-Butylbenzene	17.0		µg/kg wet		20.0		85	70-130	18	25
Carbon disulfide	19.6		µg/kg wet		20.0		98	70-130	10	25
Carbon tetrachloride	21.5		µg/kg wet		20.0		108	70-130	8	25
Chlorobenzene	19.8		µg/kg wet		20.0		99	70-130	1	25
Chloroethane	13.8		µg/kg wet		20.0		69	59.2-130	31	50
Chloroform	18.5		µg/kg wet		20.0		92	70-130	0.7	25
Chloromethane	12.2	QC1, QR5	µg/kg wet		20.0		61	70-130	39	25
2-Chlorotoluene	19.0		µg/kg wet		20.0		95	70-130	12	25
4-Chlorotoluene	17.8		µg/kg wet		20.0		89	70-130	17	25
1,2-Dibromo-3-chloropropane	20.1		µg/kg wet		20.0		100	70-130	10	25
Dibromochloromethane	16.8		µg/kg wet		20.0		84	63.8-130	16	50
1,2-Dibromoethane (EDB)	16.2		µg/kg wet		20.0		81	70-130	12	25
Dibromomethane	17.1		µg/kg wet		20.0		86	70-130	9	25
1,2-Dichlorobenzene	20.1		µg/kg wet		20.0		100	70-130	5	25
1,3-Dichlorobenzene	16.1		µg/kg wet		20.0		81	70-130	22	25
1,4-Dichlorobenzene	20.8		µg/kg wet		20.0		104	70-130	0.2	25
Dichlorodifluoromethane (Freon12)	11.8		µg/kg wet		20.0		59	41.8-130	29	50
1,1-Dichloroethane	20.1		µg/kg wet		20.0		100	70-130	1	25
1,2-Dichloroethane	18.1		µg/kg wet		20.0		90	70-130	5	25

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010690 - SW846 5035A Soil (low level)										
LCS Dup (9010690-BSD1)										
Prepared & Analyzed: 13-Jan-09										
1,1-Dichloroethene	19.6		µg/kg wet		20.0		98	70-130	9	25
cis-1,2-Dichloroethene	19.5		µg/kg wet		20.0		97	70-130	2	25
trans-1,2-Dichloroethene	21.0		µg/kg wet		20.0		105	70-130	6	25
1,2-Dichloropropane	19.9		µg/kg wet		20.0		100	70-130	7	25
1,3-Dichloropropane	17.7		µg/kg wet		20.0		88	70-130	10	25
2,2-Dichloropropane	19.3		µg/kg wet		20.0		97	70-130	5	25
1,1-Dichloropropene	21.1		µg/kg wet		20.0		106	70-130	4	25
cis-1,3-Dichloropropene	17.9		µg/kg wet		20.0		89	70-130	4	25
trans-1,3-Dichloropropene	18.5		µg/kg wet		20.0		93	70-130	8	25
Ethylbenzene	20.4		µg/kg wet		20.0		102	70-130	1	25
Hexachlorobutadiene	17.3		µg/kg wet		20.0		86	68.3-130	7	50
2-Hexanone (MBK)	14.7		µg/kg wet		20.0		73	70-130	22	25
Isopropylbenzene	18.0		µg/kg wet		20.0		90	70-130	13	25
4-Isopropyltoluene	21.2		µg/kg wet		20.0		106	70-130	0.8	25
Methyl tert-butyl ether	19.0		µg/kg wet		20.0		95	70-130	5	25
4-Methyl-2-pentanone (MIBK)	16.1		µg/kg wet		20.0		80	53.1-132	2	50
Methylene chloride	16.2		µg/kg wet		20.0		81	70-130	22	25
Naphthalene	16.1		µg/kg wet		20.0		80	70-130	12	25
n-Propylbenzene	18.0		µg/kg wet		20.0		90	70-130	16	25
Styrene	18.2		µg/kg wet		20.0		91	70-130	14	25
1,1,1,2-Tetrachloroethane	21.2		µg/kg wet		20.0		106	70-130	6	25
1,1,2,2-Tetrachloroethane	17.4		µg/kg wet		20.0		87	70-130	22	25
Tetrachloroethene	17.6		µg/kg wet		20.0		88	70-130	5	25
Toluene	16.5		µg/kg wet		20.0		82	70-130	7	25
1,2,3-Trichlorobenzene	17.3		µg/kg wet		20.0		86	70-130	13	25
1,2,4-Trichlorobenzene	17.2		µg/kg wet		20.0		86	70-130	13	25
1,3,5-Trichlorobenzene	18.9		µg/kg wet		20.0		95	70-130	6	25
1,1,1-Trichloroethane	20.7		µg/kg wet		20.0		104	70-130	6	25
1,1,2-Trichloroethane	17.6		µg/kg wet		20.0		88	70-130	9	25
Trichloroethene	20.0		µg/kg wet		20.0		100	70-130	0.05	25
Trichlorofluoromethane (Freon 11)	17.6		µg/kg wet		20.0		88	68.2-130	12	50
1,2,3-Trichloropropane	16.9		µg/kg wet		20.0		85	70-130	16	25
1,2,4-Trimethylbenzene	17.8		µg/kg wet		20.0		89	70-130	16	25
1,3,5-Trimethylbenzene	18.0		µg/kg wet		20.0		90	70-130	15	25
Vinyl chloride	14.6	QR2	µg/kg wet		20.0		73	70-130	34	25
m,p-Xylene	39.6		µg/kg wet		40.0		99	70-130	8	25
o-Xylene	19.2		µg/kg wet		20.0		96	70-130	7	25
Tetrahydrofuran	15.8		µg/kg wet		20.0		79	70-130	15	25
Ethyl ether	21.3		µg/kg wet		20.0		107	70-130	8	50
Tert-amyl methyl ether	17.6		µg/kg wet		20.0		88	70-130	0.7	25
Ethyl tert-butyl ether	20.4		µg/kg wet		20.0		102	70-130	6	25
Di-isopropyl ether	21.1		µg/kg wet		20.0		105	70-130	6	25
Tert-Butanol / butyl alcohol	152	QR2	µg/kg wet		200		76	70-130	30	25
1,4-Dioxane	143		µg/kg wet		200		72	48.7-130	15	25
trans-1,4-Dichloro-2-butene	17.8		µg/kg wet		20.0		89	70-130	10	25
Ethanol	292	QR2	µg/kg wet		400		73	70-130	37	30
Surrogate: 4-Bromofluorobenzene	*45.0*		µg/kg wet		*50.0*		*90*	*70-130*		
Surrogate: Toluene-d8	*44.9*		µg/kg wet		*50.0*		*90*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*45.7*		µg/kg wet		*50.0*		*91*	*70-130*		
Surrogate: Dibromofluoromethane	*47.3*		µg/kg wet		*50.0*		*95*	*70-130*		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010889 - SW846 5030 Soil (high level)										
Blank (9010889-BLK1)										
Prepared & Analyzed: 15-Jan-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg wet	1.0						
Acetone	BRL		µg/kg wet	10.0						
Acrylonitrile	BRL		µg/kg wet	1.0						
Benzene	BRL		µg/kg wet	1.0						
Bromobenzene	BRL		µg/kg wet	1.0						
Bromochloromethane	BRL		µg/kg wet	1.0						
Bromodichloromethane	BRL		µg/kg wet	1.0						
Bromoform	BRL		µg/kg wet	1.0						
Bromomethane	BRL		µg/kg wet	2.0						
2-Butanone (MEK)	BRL		µg/kg wet	10.0						
n-Butylbenzene	BRL		µg/kg wet	1.0						
sec-Butylbenzene	BRL		µg/kg wet	1.0						
tert-Butylbenzene	BRL		µg/kg wet	1.0						
Carbon disulfide	BRL		µg/kg wet	5.0						
Carbon tetrachloride	BRL		µg/kg wet	1.0						
Chlorobenzene	BRL		µg/kg wet	1.0						
Chloroethane	BRL		µg/kg wet	2.0						
Chloroform	BRL		µg/kg wet	1.0						
Chloromethane	BRL		µg/kg wet	2.0						
2-Chlorotoluene	BRL		µg/kg wet	1.0						
4-Chlorotoluene	BRL		µg/kg wet	1.0						
1,2-Dibromo-3-chloropropane	BRL		µg/kg wet	2.0						
Dibromochloromethane	BRL		µg/kg wet	1.0						
1,2-Dibromoethane (EDB)	BRL		µg/kg wet	1.0						
Dibromomethane	BRL		µg/kg wet	1.0						
1,2-Dichlorobenzene	BRL		µg/kg wet	1.0						
1,3-Dichlorobenzene	BRL		µg/kg wet	1.0						
1,4-Dichlorobenzene	BRL		µg/kg wet	1.0						
Dichlorodifluoromethane (Freon12)	BRL		µg/kg wet	2.0						
1,1-Dichloroethane	BRL		µg/kg wet	1.0						
1,2-Dichloroethane	BRL		µg/kg wet	1.0						
1,1-Dichloroethene	BRL		µg/kg wet	1.0						
cis-1,2-Dichloroethene	BRL		µg/kg wet	1.0						
trans-1,2-Dichloroethene	BRL		µg/kg wet	1.0						
1,2-Dichloropropane	BRL		µg/kg wet	1.0						
1,3-Dichloropropane	BRL		µg/kg wet	1.0						
2,2-Dichloropropane	BRL		µg/kg wet	1.0						
1,1-Dichloropropene	BRL		µg/kg wet	1.0						
cis-1,3-Dichloropropene	BRL		µg/kg wet	1.0						
trans-1,3-Dichloropropene	BRL		µg/kg wet	1.0						
Ethylbenzene	BRL		µg/kg wet	1.0						
Hexachlorobutadiene	BRL		µg/kg wet	1.0						
2-Hexanone (MBK)	BRL		µg/kg wet	10.0						
Isopropylbenzene	BRL		µg/kg wet	1.0						
4-Isopropyltoluene	BRL		µg/kg wet	1.0						
Methyl tert-butyl ether	BRL		µg/kg wet	1.0						
4-Methyl-2-pentanone (MIBK)	BRL		µg/kg wet	10.0						
Methylene chloride	BRL		µg/kg wet	10.0						
Naphthalene	BRL		µg/kg wet	1.0						
n-Propylbenzene	BRL		µg/kg wet	1.0						

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010889 - SW846 5030 Soil (high level)										
Blank (9010889-BLK1)										
Prepared & Analyzed: 15-Jan-09										
Styrene	BRL		µg/kg wet	1.0						
1,1,1,2-Tetrachloroethane	BRL		µg/kg wet	1.0						
1,1,2,2-Tetrachloroethane	BRL		µg/kg wet	1.0						
Tetrachloroethene	BRL		µg/kg wet	1.0						
Toluene	BRL		µg/kg wet	1.0						
1,2,3-Trichlorobenzene	BRL		µg/kg wet	1.0						
1,2,4-Trichlorobenzene	BRL		µg/kg wet	1.0						
1,3,5-Trichlorobenzene	BRL		µg/kg wet	1.0						
1,1,1-Trichloroethane	BRL		µg/kg wet	1.0						
1,1,2-Trichloroethane	BRL		µg/kg wet	1.0						
Trichloroethene	BRL		µg/kg wet	1.0						
Trichlorofluoromethane (Freon 11)	BRL		µg/kg wet	1.0						
1,2,3-Trichloropropane	BRL		µg/kg wet	1.0						
1,2,4-Trimethylbenzene	BRL		µg/kg wet	1.0						
1,3,5-Trimethylbenzene	BRL		µg/kg wet	1.0						
Vinyl chloride	BRL		µg/kg wet	1.0						
m,p-Xylene	BRL		µg/kg wet	2.0						
o-Xylene	BRL		µg/kg wet	1.0						
Tetrahydrofuran	BRL		µg/kg wet	10.0						
Ethyl ether	BRL		µg/kg wet	1.0						
Tert-amyl methyl ether	BRL		µg/kg wet	1.0						
Ethyl tert-butyl ether	BRL		µg/kg wet	1.0						
Di-isopropyl ether	BRL		µg/kg wet	1.0						
Tert-Butanol / butyl alcohol	BRL		µg/kg wet	10.0						
1,4-Dioxane	BRL		µg/kg wet	20.0						
trans-1,4-Dichloro-2-butene	BRL		µg/kg wet	5.0						
Ethanol	BRL		µg/kg wet	400						
Surrogate: 4-Bromofluorobenzene	*26.4*		µg/kg wet		*30.0*		*88*	*70-130*		
Surrogate: Toluene-d8	*29.1*		µg/kg wet		*30.0*		*97*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*32.5*		µg/kg wet		*30.0*		*108*	*70-130*		
Surrogate: Dibromofluoromethane	*32.0*		µg/kg wet		*30.0*		*107*	*70-130*		
LCS (9010889-BS1)										
Prepared & Analyzed: 15-Jan-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	25.9		µg/kg wet		20.0		129	70-130		
Acetone	20.6		µg/kg wet		20.0		103	7.9-168		
Acrylonitrile	19.3		µg/kg wet		20.0		97	70-130		
Benzene	20.9		µg/kg wet		20.0		105	70-130		
Bromobenzene	21.4		µg/kg wet		20.0		107	70-130		
Bromochloromethane	20.9		µg/kg wet		20.0		104	70-130		
Bromodichloromethane	20.6		µg/kg wet		20.0		103	70-130		
Bromoform	17.8		µg/kg wet		20.0		89	70-130		
Bromomethane	20.7		µg/kg wet		20.0		104	50-134		
2-Butanone (MEK)	20.0		µg/kg wet		20.0		100	44.6-130		
n-Butylbenzene	23.5		µg/kg wet		20.0		118	70-130		
sec-Butylbenzene	23.6		µg/kg wet		20.0		118	70-130		
tert-Butylbenzene	21.4		µg/kg wet		20.0		107	70-130		
Carbon disulfide	20.2		µg/kg wet		20.0		101	70-130		
Carbon tetrachloride	22.9		µg/kg wet		20.0		115	70-130		
Chlorobenzene	19.9		µg/kg wet		20.0		99	70-130		
Chloroethane	19.6		µg/kg wet		20.0		98	59.2-130		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010889 - SW846 5030 Soil (high level)										
LCS (9010889-BS1)										
Prepared & Analyzed: 15-Jan-09										
Chloroform	22.8		µg/kg wet		20.0		114	70-130		
Chloromethane	20.1		µg/kg wet		20.0		100	70-130		
2-Chlorotoluene	23.8		µg/kg wet		20.0		119	70-130		
4-Chlorotoluene	23.5		µg/kg wet		20.0		118	70-130		
1,2-Dibromo-3-chloropropane	16.7		µg/kg wet		20.0		83	70-130		
Dibromochloromethane	18.0		µg/kg wet		20.0		90	63.8-130		
1,2-Dibromoethane (EDB)	20.5		µg/kg wet		20.0		103	70-130		
Dibromomethane	20.8		µg/kg wet		20.0		104	70-130		
1,2-Dichlorobenzene	21.8		µg/kg wet		20.0		109	70-130		
1,3-Dichlorobenzene	23.1		µg/kg wet		20.0		116	70-130		
1,4-Dichlorobenzene	20.1		µg/kg wet		20.0		100	70-130		
Dichlorodifluoromethane (Freon12)	20.2		µg/kg wet		20.0		101	41.8-130		
1,1-Dichloroethane	22.0		µg/kg wet		20.0		110	70-130		
1,2-Dichloroethane	20.7		µg/kg wet		20.0		103	70-130		
1,1-Dichloroethene	22.2		µg/kg wet		20.0		111	70-130		
cis-1,2-Dichloroethene	21.2		µg/kg wet		20.0		106	70-130		
trans-1,2-Dichloroethene	20.4		µg/kg wet		20.0		102	70-130		
1,2-Dichloropropane	21.6		µg/kg wet		20.0		108	70-130		
1,3-Dichloropropane	21.2		µg/kg wet		20.0		106	70-130		
2,2-Dichloropropane	23.1		µg/kg wet		20.0		116	70-130		
1,1-Dichloropropene	20.8		µg/kg wet		20.0		104	70-130		
cis-1,3-Dichloropropene	18.0		µg/kg wet		20.0		90	70-130		
trans-1,3-Dichloropropene	17.6		µg/kg wet		20.0		88	70-130		
Ethylbenzene	22.2		µg/kg wet		20.0		111	70-130		
Hexachlorobutadiene	19.9		µg/kg wet		20.0		99	68.3-130		
2-Hexanone (MBK)	15.8		µg/kg wet		20.0		79	70-130		
Isopropylbenzene	18.7		µg/kg wet		20.0		94	70-130		
4-Isopropyltoluene	23.4		µg/kg wet		20.0		117	70-130		
Methyl tert-butyl ether	20.4		µg/kg wet		20.0		102	70-130		
4-Methyl-2-pentanone (MIBK)	17.9		µg/kg wet		20.0		89	53.1-132		
Methylene chloride	20.8		µg/kg wet		20.0		104	70-130		
Naphthalene	17.3		µg/kg wet		20.0		86	70-130		
n-Propylbenzene	22.0		µg/kg wet		20.0		110	70-130		
Styrene	20.0		µg/kg wet		20.0		100	70-130		
1,1,1,2-Tetrachloroethane	23.6		µg/kg wet		20.0		118	70-130		
1,1,2,2-Tetrachloroethane	21.9		µg/kg wet		20.0		109	70-130		
Tetrachloroethene	20.1		µg/kg wet		20.0		100	70-130		
Toluene	20.8		µg/kg wet		20.0		104	70-130		
1,2,3-Trichlorobenzene	22.7		µg/kg wet		20.0		114	70-130		
1,2,4-Trichlorobenzene	21.0		µg/kg wet		20.0		105	70-130		
1,3,5-Trichlorobenzene	20.4		µg/kg wet		20.0		102	70-130		
1,1,1-Trichloroethane	22.2		µg/kg wet		20.0		111	70-130		
1,1,2-Trichloroethane	21.8		µg/kg wet		20.0		109	70-130		
Trichloroethene	21.2		µg/kg wet		20.0		106	70-130		
Trichlorofluoromethane (Freon 11)	22.2		µg/kg wet		20.0		111	68.2-130		
1,2,3-Trichloropropane	23.6		µg/kg wet		20.0		118	70-130		
1,2,4-Trimethylbenzene	21.4		µg/kg wet		20.0		107	70-130		
1,3,5-Trimethylbenzene	20.8		µg/kg wet		20.0		104	70-130		
Vinyl chloride	21.3		µg/kg wet		20.0		107	70-130		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010889 - SW846 5030 Soil (high level)										
LCS (9010889-BS1)										
Prepared & Analyzed: 15-Jan-09										
m,p-Xylene	47.3		µg/kg wet		40.0		118	70-130		
o-Xylene	23.6		µg/kg wet		20.0		118	70-130		
Tetrahydrofuran	18.9		µg/kg wet		20.0		94	70-130		
Ethyl ether	21.0		µg/kg wet		20.0		105	70-130		
Tert-amyl methyl ether	20.2		µg/kg wet		20.0		101	70-130		
Ethyl tert-butyl ether	20.7		µg/kg wet		20.0		104	70-130		
Di-isopropyl ether	20.4		µg/kg wet		20.0		102	70-130		
Tert-Butanol / butyl alcohol	205		µg/kg wet		200		103	70-130		
1,4-Dioxane	183		µg/kg wet		200		91	48.7-130		
trans-1,4-Dichloro-2-butene	21.1		µg/kg wet		20.0		106	70-130		
Ethanol	415		µg/kg wet		400		104	70-130		
Surrogate: 4-Bromofluorobenzene	*30.8*		µg/kg wet		*30.0*		*102*	*70-130*		
Surrogate: Toluene-d8	*30.1*		µg/kg wet		*30.0*		*100*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*30.5*		µg/kg wet		*30.0*		*102*	*70-130*		
Surrogate: Dibromofluoromethane	*30.6*		µg/kg wet		*30.0*		*102*	*70-130*		
LCS Dup (9010889-BSD1)										
Prepared & Analyzed: 15-Jan-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	24.0		µg/kg wet		20.0		120	70-130	7	25
Acetone	22.4		µg/kg wet		20.0		112	7.9-168	8	50
Acrylonitrile	21.9		µg/kg wet		20.0		109	70-130	12	25
Benzene	21.3		µg/kg wet		20.0		107	70-130	2	25
Bromobenzene	22.1		µg/kg wet		20.0		110	70-130	3	25
Bromochloromethane	22.2		µg/kg wet		20.0		111	70-130	6	25
Bromodichloromethane	21.6		µg/kg wet		20.0		108	70-130	5	25
Bromoform	18.6		µg/kg wet		20.0		93	70-130	4	25
Bromomethane	20.8		µg/kg wet		20.0		104	50-134	0.5	50
2-Butanone (MEK)	20.6		µg/kg wet		20.0		103	44.6-130	3	50
n-Butylbenzene	22.8		µg/kg wet		20.0		114	70-130	3	25
sec-Butylbenzene	23.5		µg/kg wet		20.0		118	70-130	0.4	25
tert-Butylbenzene	21.4		µg/kg wet		20.0		107	70-130	0.05	25
Carbon disulfide	19.8		µg/kg wet		20.0		99	70-130	2	25
Carbon tetrachloride	22.4		µg/kg wet		20.0		112	70-130	2	25
Chlorobenzene	20.2		µg/kg wet		20.0		101	70-130	1	25
Chloroethane	19.2		µg/kg wet		20.0		96	59.2-130	2	50
Chloroform	23.5		µg/kg wet		20.0		117	70-130	3	25
Chloromethane	19.7		µg/kg wet		20.0		99	70-130	2	25
2-Chlorotoluene	24.2		µg/kg wet		20.0		121	70-130	2	25
4-Chlorotoluene	23.9		µg/kg wet		20.0		120	70-130	2	25
1,2-Dibromo-3-chloropropane	18.5		µg/kg wet		20.0		92	70-130	10	25
Dibromochloromethane	18.8		µg/kg wet		20.0		94	63.8-130	5	50
1,2-Dibromoethane (EDB)	22.0		µg/kg wet		20.0		110	70-130	7	25
Dibromomethane	22.6		µg/kg wet		20.0		113	70-130	8	25
1,2-Dichlorobenzene	22.0		µg/kg wet		20.0		110	70-130	1	25
1,3-Dichlorobenzene	23.7		µg/kg wet		20.0		119	70-130	3	25
1,4-Dichlorobenzene	20.3		µg/kg wet		20.0		102	70-130	1	25
Dichlorodifluoromethane (Freon12)	18.4		µg/kg wet		20.0		92	41.8-130	9	50
1,1-Dichloroethane	22.2		µg/kg wet		20.0		111	70-130	1	25
1,2-Dichloroethane	22.0		µg/kg wet		20.0		110	70-130	6	25
1,1-Dichloroethene	21.4		µg/kg wet		20.0		107	70-130	4	25
cis-1,2-Dichloroethene	22.1		µg/kg wet		20.0		111	70-130	4	25

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010889 - SW846 5030 Soil (high level)										
LCS Dup (9010889-BSD1)										
Prepared & Analyzed: 15-Jan-09										
trans-1,2-Dichloroethene	20.6		µg/kg wet		20.0		103	70-130	0.9	25
1,2-Dichloropropane	22.1		µg/kg wet		20.0		111	70-130	2	25
1,3-Dichloropropane	22.3		µg/kg wet		20.0		112	70-130	5	25
2,2-Dichloropropane	22.6		µg/kg wet		20.0		113	70-130	2	25
1,1-Dichloropropene	20.9		µg/kg wet		20.0		104	70-130	0.3	25
cis-1,3-Dichloropropene	18.9		µg/kg wet		20.0		94	70-130	5	25
trans-1,3-Dichloropropene	18.6		µg/kg wet		20.0		93	70-130	6	25
Ethylbenzene	22.6		µg/kg wet		20.0		113	70-130	2	25
Hexachlorobutadiene	19.3		µg/kg wet		20.0		96	68.3-130	3	50
2-Hexanone (MBK)	16.8		µg/kg wet		20.0		84	70-130	6	25
Isopropylbenzene	18.4		µg/kg wet		20.0		92	70-130	2	25
4-Isopropyltoluene	23.1		µg/kg wet		20.0		116	70-130	0.9	25
Methyl tert-butyl ether	21.4		µg/kg wet		20.0		107	70-130	5	25
4-Methyl-2-pentanone (MIBK)	19.5		µg/kg wet		20.0		97	53.1-132	9	50
Methylene chloride	21.3		µg/kg wet		20.0		107	70-130	2	25
Naphthalene	18.1		µg/kg wet		20.0		90	70-130	4	25
n-Propylbenzene	22.0		µg/kg wet		20.0		110	70-130	0.1	25
Styrene	20.6		µg/kg wet		20.0		103	70-130	3	25
1,1,1,2-Tetrachloroethane	24.2		µg/kg wet		20.0		121	70-130	3	25
1,1,2,2-Tetrachloroethane	22.6		µg/kg wet		20.0		113	70-130	3	25
Tetrachloroethene	20.4		µg/kg wet		20.0		102	70-130	2	25
Toluene	21.2		µg/kg wet		20.0		106	70-130	2	25
1,2,3-Trichlorobenzene	23.1		µg/kg wet		20.0		116	70-130	2	25
1,2,4-Trichlorobenzene	21.3		µg/kg wet		20.0		106	70-130	1	25
1,3,5-Trichlorobenzene	20.5		µg/kg wet		20.0		103	70-130	0.5	25
1,1,1-Trichloroethane	22.2		µg/kg wet		20.0		111	70-130	0	25
1,1,2-Trichloroethane	22.8		µg/kg wet		20.0		114	70-130	5	25
Trichloroethene	21.0		µg/kg wet		20.0		105	70-130	1	25
Trichlorofluoromethane (Freon 11)	21.1		µg/kg wet		20.0		106	68.2-130	5	50
1,2,3-Trichloropropane	24.4		µg/kg wet		20.0		122	70-130	3	25
1,2,4-Trimethylbenzene	21.9		µg/kg wet		20.0		110	70-130	2	25
1,3,5-Trimethylbenzene	21.3		µg/kg wet		20.0		106	70-130	2	25
Vinyl chloride	19.9		µg/kg wet		20.0		100	70-130	7	25
m,p-Xylene	47.7		µg/kg wet		40.0		119	70-130	0.9	25
o-Xylene	24.0		µg/kg wet		20.0		120	70-130	2	25
Tetrahydrofuran	21.3		µg/kg wet		20.0		107	70-130	12	25
Ethyl ether	22.3		µg/kg wet		20.0		112	70-130	6	50
Tert-amyl methyl ether	21.4		µg/kg wet		20.0		107	70-130	6	25
Ethyl tert-butyl ether	21.8		µg/kg wet		20.0		109	70-130	5	25
Di-isopropyl ether	21.3		µg/kg wet		20.0		107	70-130	4	25
Tert-Butanol / butyl alcohol	221		µg/kg wet		200		110	70-130	7	25
1,4-Dioxane	204		µg/kg wet		200		102	48.7-130	11	25
trans-1,4-Dichloro-2-butene	21.5		µg/kg wet		20.0		107	70-130	2	25
Ethanol	433		µg/kg wet		400		108	70-130	4	30
Surrogate: 4-Bromofluorobenzene	*31.2*		µg/kg wet		*30.0*		*104*	*70-130*		
Surrogate: Toluene-d8	*30.3*		µg/kg wet		*30.0*		*101*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*31.3*		µg/kg wet		*30.0*		*104*	*70-130*		
Surrogate: Dibromofluoromethane	*31.1*		µg/kg wet		*30.0*		*104*	*70-130*		
Matrix Spike (9010889-MS1)	**Source: SA89727-01**									
Prepared & Analyzed: 15-Jan-09										

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010889 - SW846 5030 Soil (high level)										
Matrix Spike (9010889-MS1)	**Source: SA89727-01**									
Prepared & Analyzed: 15-Jan-09										
Benzene	19.0		µg/kg dry		20.0	BRL	95	70-130		
Chlorobenzene	18.5		µg/kg dry		20.0	BRL	92	70-130		
1,1-Dichloroethene	18.0		µg/kg dry		20.0	BRL	90	70-130		
Toluene	19.1		µg/kg dry		20.0	1.5	88	70-130		
Trichloroethene	18.8		µg/kg dry		20.0	BRL	94	70-130		
Surrogate: 4-Bromofluorobenzene	*30.6*		µg/kg dry		*30.0*		*102*	*70-130*		
Surrogate: Toluene-d8	*28.7*		µg/kg dry		*30.0*		*96*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*32.0*		µg/kg dry		*30.0*		*107*	*70-130*		
Surrogate: Dibromofluoromethane	*31.0*		µg/kg dry		*30.0*		*103*	*70-130*		
Matrix Spike Dup (9010889-MSD1)	**Source: SA89727-01**									
Prepared & Analyzed: 15-Jan-09										
Benzene	21.5		µg/kg dry		20.0	BRL	108	70-130	13	30
Chlorobenzene	20.8		µg/kg dry		20.0	BRL	104	70-130	12	30
1,1-Dichloroethene	21.5		µg/kg dry		20.0	BRL	107	70-130	18	30
Toluene	22.9		µg/kg dry		20.0	1.5	107	70-130	19	30
Trichloroethene	21.6		µg/kg dry		20.0	BRL	108	70-130	13	30
Surrogate: 4-Bromofluorobenzene	*31.7*		µg/kg dry		*30.0*		*106*	*70-130*		
Surrogate: Toluene-d8	*30.0*		µg/kg dry		*30.0*		*100*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*29.9*		µg/kg dry		*30.0*		*100*	*70-130*		
Surrogate: Dibromofluoromethane	*30.0*		µg/kg dry		*30.0*		*100*	*70-130*		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010768 - SW846 3550B										
Blank (9010768-BLK1)										
Prepared: 14-Jan-09 Analyzed: 17-Jan-09										
Acenaphthene	BRL		µg/kg wet	330						
Acenaphthylene	BRL		µg/kg wet	330						
Aniline	BRL		µg/kg wet	330						
Anthracene	BRL		µg/kg wet	330						
Atrazine	BRL		µg/kg wet	330						
Azobenzene/Diphenyldiazine	BRL		µg/kg wet	330						
Benzidine	BRL		µg/kg wet	330						
Benzo (a) anthracene	BRL		µg/kg wet	330						
Benzo (a) pyrene	BRL		µg/kg wet	330						
Benzo (b) fluoranthene	BRL		µg/kg wet	330						
Benzo (g,h,i) perylene	BRL		µg/kg wet	330						
Benzo (k) fluoranthene	BRL		µg/kg wet	330						
Benzoic acid	BRL		µg/kg wet	330						
Benzyl alcohol	BRL		µg/kg wet	330						
Bis(2-chloroethoxy)methane	BRL		µg/kg wet	330						
Bis(2-chloroethyl)ether	BRL		µg/kg wet	330						
Bis(2-chloroisopropyl)ether	BRL		µg/kg wet	330						
Bis(2-ethylhexyl)phthalate	BRL		µg/kg wet	330						
4-Bromophenyl phenyl ether	BRL		µg/kg wet	330						
Butyl benzyl phthalate	BRL		µg/kg wet	330						
Carbazole	BRL		µg/kg wet	330						
4-Chloro-3-methylphenol	BRL		µg/kg wet	330						
4-Chloroaniline	BRL		µg/kg wet	330						
2-Chloronaphthalene	BRL		µg/kg wet	330						
2-Chlorophenol	BRL		µg/kg wet	330						
4-Chlorophenyl phenyl ether	BRL		µg/kg wet	330						
Chrysene	BRL		µg/kg wet	330						
Dibenzo (a,h) anthracene	BRL		µg/kg wet	330						
Dibenzofuran	BRL		µg/kg wet	330						
1,2-Dichlorobenzene	BRL		µg/kg wet	330						
1,3-Dichlorobenzene	BRL		µg/kg wet	330						
1,4-Dichlorobenzene	BRL		µg/kg wet	330						
3,3'-Dichlorobenzidine	BRL		µg/kg wet	330						
2,4-Dichlorophenol	BRL		µg/kg wet	330						
Diethyl phthalate	BRL		µg/kg wet	330						
Dimethyl phthalate	BRL		µg/kg wet	330						
2,4-Dimethylphenol	BRL		µg/kg wet	330						
Di-n-butyl phthalate	BRL		µg/kg wet	330						
4,6-Dinitro-2-methylphenol	BRL		µg/kg wet	330						
2,4-Dinitrophenol	BRL		µg/kg wet	330						
2,4-Dinitrotoluene	BRL		µg/kg wet	330						
2,6-Dinitrotoluene	BRL		µg/kg wet	330						
Di-n-octyl phthalate	BRL		µg/kg wet	330						
Fluoranthene	BRL		µg/kg wet	330						
Fluorene	BRL		µg/kg wet	330						
Hexachlorobenzene	BRL		µg/kg wet	330						
Hexachlorobutadiene	BRL		µg/kg wet	330						
Hexachlorocyclopentadiene	BRL		µg/kg wet	330						
Hexachloroethane	BRL		µg/kg wet	330						

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010768 - SW846 3550B										
Blank (9010768-BLK1)										
Prepared: 14-Jan-09 Analyzed: 17-Jan-09										
Indeno (1,2,3-cd) pyrene	BRL		µg/kg wet	330						
1-Methylnaphthalene	BRL		µg/kg wet	330						
Isophorone	BRL		µg/kg wet	330						
2-Methylnaphthalene	BRL		µg/kg wet	330						
2-Methylphenol	BRL		µg/kg wet	330						
3 & 4-Methylphenol	BRL		µg/kg wet	330						
Naphthalene	BRL		µg/kg wet	330						
2-Nitroaniline	BRL		µg/kg wet	330						
3-Nitroaniline	BRL		µg/kg wet	330						
4-Nitroaniline	BRL		µg/kg wet	1320						
Nitrobenzene	BRL		µg/kg wet	330						
2-Nitrophenol	BRL		µg/kg wet	330						
4-Nitrophenol	BRL		µg/kg wet	1320						
N-Nitrosodimethylamine	BRL		µg/kg wet	330						
N-Nitrosodi-n-propylamine	BRL		µg/kg wet	330						
N-Nitrosodiphenylamine	BRL		µg/kg wet	330						
Pentachlorophenol	BRL		µg/kg wet	330						
Phenanthrene	BRL		µg/kg wet	330						
Phenol	BRL		µg/kg wet	330						
Pyrene	BRL		µg/kg wet	330						
Pyridine	BRL		µg/kg wet	330						
1,2,4-Trichlorobenzene	BRL		µg/kg wet	330						
2,4,5-Trichlorophenol	BRL		µg/kg wet	330						
2,4,6-Trichlorophenol	BRL		µg/kg wet	330						
Pentachloronitrobenzene	BRL		µg/kg wet	330						
1,2,4,5-Tetrachlorobenzene	BRL		µg/kg wet	330						
Surrogate: 2-Fluorobiphenyl	*2430*		µg/kg wet		*3330*		*73*	*30-130*		
Surrogate: 2-Fluorophenol	*2420*		µg/kg wet		*3330*		*73*	*15-110*		
Surrogate: Nitrobenzene-d5	*2430*		µg/kg wet		*3330*		*73*	*30-130*		
Surrogate: Phenol-d5	*2350*		µg/kg wet		*3330*		*70*	*15-110*		
Surrogate: Terphenyl-dl4	*2310*		µg/kg wet		*3330*		*69*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*2700*		µg/kg wet		*3330*		*81*	*15-110*		
LCS (9010768-BS1)										
Prepared: 14-Jan-09 Analyzed: 17-Jan-09										
Acenaphthene	2620		µg/kg wet	330	3330		79	40-130		
Acenaphthylene	2520		µg/kg wet	330	3330		76	40-130		
Aniline	797	QC2	µg/kg wet	330	3330		24	40-130		
Anthracene	2620		µg/kg wet	330	3330		79	40-130		
Atrazine	2020		µg/kg wet	330	3330		61	40-130		
Azobenzene/Diphenyldiazine	2770		µg/kg wet	330	3330		83	40-130		
Benzidine	BRL		µg/kg wet	330	3330			0-130		
Benzo (a) anthracene	2640		µg/kg wet	330	3330		79	40-130		
Benzo (a) pyrene	2640		µg/kg wet	330	3330		79	40-130		
Benzo (b) fluoranthene	2510		µg/kg wet	330	3330		75	40-130		
Benzo (g,h,i) perylene	2680		µg/kg wet	330	3330		80	40-130		
Benzo (k) fluoranthene	2890		µg/kg wet	330	3330		87	40-130		
Benzoic acid	2840		µg/kg wet	330	3330		85	19.5-130		
Benzyl alcohol	2570		µg/kg wet	330	3330		77	40-130		
Bis(2-chloroethoxy)methane	2720		µg/kg wet	330	3330		82	40-130		
Bis(2-chloroethyl)ether	2880		µg/kg wet	330	3330		86	40-130		

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010768 - SW846 3550B										
LCS (9010768-BS1)										
Prepared: 14-Jan-09 Analyzed: 17-Jan-09										
Bis(2-chloroisopropyl)ether	2690		µg/kg wet	330	3330		81	40-130		
Bis(2-ethylhexyl)phthalate	3090		µg/kg wet	330	3330		93	40-130		
4-Bromophenyl phenyl ether	3120		µg/kg wet	330	3330		94	40-130		
Butyl benzyl phthalate	3040		µg/kg wet	330	3330		91	40-130		
Carbazole	4260		µg/kg wet	330	3330		128	40-130		
4-Chloro-3-methylphenol	2600		µg/kg wet	330	3330		78	40-130		
4-Chloroaniline	1400		µg/kg wet	330	3330		42	40-130		
2-Chloronaphthalene	2490		µg/kg wet	330	3330		75	40-130		
2-Chlorophenol	2500		µg/kg wet	330	3330		75	40-130		
4-Chlorophenyl phenyl ether	2880		µg/kg wet	330	3330		86	40-130		
Chrysene	2630		µg/kg wet	330	3330		79	40-130		
Dibenzo (a,h) anthracene	2640		µg/kg wet	330	3330		79	40-130		
Dibenzofuran	2580		µg/kg wet	330	3330		77	40-130		
1,2-Dichlorobenzene	2330		µg/kg wet	330	3330		70	40-130		
1,3-Dichlorobenzene	2250		µg/kg wet	330	3330		68	40-130		
1,4-Dichlorobenzene	2290		µg/kg wet	330	3330		69	40-130		
3,3'-Dichlorobenzidine	2920		µg/kg wet	330	3330		87	40-130		
2,4-Dichlorophenol	2430		µg/kg wet	330	3330		73	40-130		
Diethyl phthalate	3080		µg/kg wet	330	3330		92	40-130		
Dimethyl phthalate	2810		µg/kg wet	330	3330		84	40-130		
2,4-Dimethylphenol	2370		µg/kg wet	330	3330		71	40-130		
Di-n-butyl phthalate	3100		µg/kg wet	330	3330		93	40-130		
4,6-Dinitro-2-methylphenol	2780		µg/kg wet	330	3330		83	40-130		
2,4-Dinitrophenol	2670		µg/kg wet	330	3330		80	40-130		
2,4-Dinitrotoluene	2770		µg/kg wet	330	3330		83	40-130		
2,6-Dinitrotoluene	2760		µg/kg wet	330	3330		83	40-130		
Di-n-octyl phthalate	3130		µg/kg wet	330	3330		94	40-130		
Fluoranthene	2810		µg/kg wet	330	3330		84	40-130		
Fluorene	2650		µg/kg wet	330	3330		79	40-130		
Hexachlorobenzene	2640		µg/kg wet	330	3330		79	40-130		
Hexachlorobutadiene	2250		µg/kg wet	330	3330		68	40-130		
Hexachlorocyclopentadiene	2250		µg/kg wet	330	3330		67	40-130		
Hexachloroethane	2350		µg/kg wet	330	3330		70	40-130		
Indeno (1,2,3-cd) pyrene	2620		µg/kg wet	330	3330		79	40-130		
Isophorone	2360		µg/kg wet	330	3330		71	40-130		
1-Methylnaphthalene	2580		µg/kg wet	330	3330		77	40-140		
2-Methylnaphthalene	2360		µg/kg wet	330	3330		71	40-130		
2-Methylphenol	2500		µg/kg wet	330	3330		75	40-130		
3 & 4-Methylphenol	2600		µg/kg wet	330	3330		78	40-130		
Naphthalene	2320		µg/kg wet	330	3330		70	40-130		
2-Nitroaniline	2660		µg/kg wet	330	3330		80	40-130		
3-Nitroaniline	2260		µg/kg wet	330	3330		68	40-130		
4-Nitroaniline	3030		µg/kg wet	1320	3330		91	40-130		
Nitrobenzene	2370		µg/kg wet	330	3330		71	40-130		
2-Nitrophenol	2420		µg/kg wet	330	3330		73	40-130		
4-Nitrophenol	2700		µg/kg wet	1320	3330		81	40-130		
N-Nitrosodimethylamine	2660		µg/kg wet	330	3330		80	40-130		
N-Nitrosodi-n-propylamine	2770		µg/kg wet	330	3330		83	40-130		
N-Nitrosodiphenylamine	3240		µg/kg wet	330	3330		97	40-130		

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010768 - SW846 3550B										
LCS (9010768-BS1)										
Prepared: 14-Jan-09 Analyzed: 17-Jan-09										
Pentachlorophenol	3370		µg/kg wet	330	3330		101	40-130		
Phenanthrene	2640		µg/kg wet	330	3330		79	40-130		
Phenol	2390		µg/kg wet	330	3330		72	40-130		
Pyrene	2610		µg/kg wet	330	3330		78	40-130		
Pyridine	693		µg/kg wet	330	3330		21	0-130		
1,2,4-Trichlorobenzene	2280		µg/kg wet	330	3330		68	40-130		
2,4,5-Trichlorophenol	2680		µg/kg wet	330	3330		80	40-130		
2,4,6-Trichlorophenol	2500		µg/kg wet	330	3330		75	40-130		
Pentachloronitrobenzene	2620		µg/kg wet	330	3330		79	40-140		
1,2,4,5-Tetrachlorobenzene	2400		µg/kg wet	330	3330		72	40-140		
Surrogate: 2-Fluorobiphenyl	*2360*		µg/kg wet		*3330*		*71*	*30-130*		
Surrogate: 2-Fluorophenol	*2210*		µg/kg wet		*3330*		*66*	*15-110*		
Surrogate: Nitrobenzene-d5	*2280*		µg/kg wet		*3330*		*68*	*30-130*		
Surrogate: Phenol-d5	*2110*		µg/kg wet		*3330*		*63*	*15-110*		
Surrogate: Terphenyl-dl4	*2430*		µg/kg wet		*3330*		*73*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*2890*		µg/kg wet		*3330*		*87*	*15-110*		
Duplicate (9010768-DUP1) **Source: SA89735-02**										
Prepared: 14-Jan-09 Analyzed: 17-Jan-09										
Acenaphthene	BRL		µg/kg dry	411		BRL				50
Acenaphthylene	BRL		µg/kg dry	411		BRL				50
Aniline	BRL		µg/kg dry	411		BRL				50
Anthracene	BRL		µg/kg dry	411		BRL				50
Atrazine	BRL		µg/kg dry	411		BRL				50
Azobenzene/Diphenyldiazine	BRL		µg/kg dry	411		BRL				50
Benzidine	BRL		µg/kg dry	411		BRL				50
Benzo (a) anthracene	BRL		µg/kg dry	411		BRL				50
Benzo (a) pyrene	BRL		µg/kg dry	411		BRL				50
Benzo (b) fluoranthene	BRL		µg/kg dry	411		BRL				50
Benzo (g,h,i) perylene	BRL		µg/kg dry	411		BRL				50
Benzo (k) fluoranthene	BRL		µg/kg dry	411		BRL				50
Benzoic acid	BRL		µg/kg dry	411		BRL				50
Benzyl alcohol	BRL		µg/kg dry	411		BRL				50
Bis(2-chloroethoxy)methane	BRL		µg/kg dry	411		BRL				50
Bis(2-chloroethyl)ether	BRL		µg/kg dry	411		BRL				50
Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	411		BRL				50
Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	411		BRL				50
4-Bromophenyl phenyl ether	BRL		µg/kg dry	411		BRL				50
Butyl benzyl phthalate	BRL		µg/kg dry	411		BRL				50
Carbazole	BRL		µg/kg dry	411		BRL				50
4-Chloro-3-methylphenol	BRL		µg/kg dry	411		BRL				50
4-Chloroaniline	BRL		µg/kg dry	411		BRL				50
2-Chloronaphthalene	BRL		µg/kg dry	411		BRL				50
2-Chlorophenol	BRL		µg/kg dry	411		BRL				50
4-Chlorophenyl phenyl ether	BRL		µg/kg dry	411		BRL				50
Chrysene	BRL		µg/kg dry	411		BRL				50
Dibenzo (a,h) anthracene	BRL		µg/kg dry	411		BRL				50
Dibenzofuran	BRL		µg/kg dry	411		BRL				50
1,2-Dichlorobenzene	BRL		µg/kg dry	411		BRL				50
1,3-Dichlorobenzene	BRL		µg/kg dry	411		BRL				50
1,4-Dichlorobenzene	BRL		µg/kg dry	411		BRL				50

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010768 - SW846 3550B										
Duplicate (9010768-DUP1) **Source: SA89735-02**										
Prepared: 14-Jan-09 Analyzed: 17-Jan-09										
3,3'-Dichlorobenzidine	BRL		µg/kg dry	411		BRL				50
2,4-Dichlorophenol	BRL		µg/kg dry	411		BRL				50
Diethyl phthalate	BRL		µg/kg dry	411		BRL				50
Dimethyl phthalate	BRL		µg/kg dry	411		BRL				50
2,4-Dimethylphenol	BRL		µg/kg dry	411		BRL				50
Di-n-butyl phthalate	BRL		µg/kg dry	411		BRL				50
4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	411		BRL				50
2,4-Dinitrophenol	BRL		µg/kg dry	411		BRL				50
2,4-Dinitrotoluene	BRL		µg/kg dry	411		BRL				50
2,6-Dinitrotoluene	BRL		µg/kg dry	411		BRL				50
Di-n-octyl phthalate	BRL		µg/kg dry	411		BRL				50
Fluoranthene	46.5	J	µg/kg dry	411		BRL				50
Fluorene	BRL		µg/kg dry	411		BRL				50
Hexachlorobenzene	BRL		µg/kg dry	411		BRL				50
Hexachlorobutadiene	BRL		µg/kg dry	411		BRL				50
Hexachlorocyclopentadiene	BRL		µg/kg dry	411		BRL				50
Hexachloroethane	BRL		µg/kg dry	411		BRL				50
Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	411		BRL				50
Isophorone	BRL		µg/kg dry	411		BRL				50
1-Methylnaphthalene	BRL		µg/kg dry	411		BRL				50
2-Methylnaphthalene	BRL		µg/kg dry	411		BRL				50
2-Methylphenol	BRL		µg/kg dry	411		BRL				50
3 & 4-Methylphenol	BRL		µg/kg dry	411		BRL				50
Naphthalene	BRL		µg/kg dry	411		BRL				50
2-Nitroaniline	BRL		µg/kg dry	411		BRL				50
3-Nitroaniline	BRL		µg/kg dry	411		BRL				50
4-Nitroaniline	BRL		µg/kg dry	1640		BRL				50
Nitrobenzene	BRL		µg/kg dry	411		BRL				50
2-Nitrophenol	BRL		µg/kg dry	411		BRL				50
4-Nitrophenol	BRL		µg/kg dry	1640		BRL				50
N-Nitrosodimethylamine	BRL		µg/kg dry	411		BRL				50
N-Nitrosodi-n-propylamine	BRL		µg/kg dry	411		BRL				50
N-Nitrosodiphenylamine	BRL		µg/kg dry	411		BRL				50
Pentachlorophenol	BRL		µg/kg dry	411		BRL				50
Phenanthrene	BRL		µg/kg dry	411		BRL				50
Phenol	BRL		µg/kg dry	411		BRL				50
Pyrene	BRL		µg/kg dry	411		BRL				50
Pyridine	BRL		µg/kg dry	411		BRL				50
1,2,4-Trichlorobenzene	BRL		µg/kg dry	411		BRL				50
2,4,5-Trichlorophenol	BRL		µg/kg dry	411		BRL				50
2,4,6-Trichlorophenol	BRL		µg/kg dry	411		BRL				50
Pentachloronitrobenzene	BRL		µg/kg dry	411		BRL				50
1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	411		BRL				50
Surrogate: 2-Fluorobiphenyl	*1570*		µg/kg dry		*2080*		*76*	*30-130*		
Surrogate: 2-Fluorophenol	*1540*		µg/kg dry		*2080*		*74*	*15-110*		
Surrogate: Nitrobenzene-d5	*1500*		µg/kg dry		*2080*		*72*	*30-130*		
Surrogate: Phenol-d5	*1490*		µg/kg dry		*2080*		*72*	*15-110*		
Surrogate: Terphenyl-dl4	*1530*		µg/kg dry		*2080*		*74*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*1590*		µg/kg dry		*2080*		*77*	*15-110*		

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010768 - SW846 3550B										
Matrix Spike (9010768-MS1) **Source: SA89735-02**										
Prepared: 14-Jan-09 Analyzed: 17-Jan-09										
Acenaphthene	1280		µg/kg dry	205	2070	BRL	62	40-140		
Benzo (b) fluoranthene	1190		µg/kg dry	205	2070	BRL	57	40-140		
Benzo (k) fluoranthene	1430		µg/kg dry	205	2070	BRL	69	40-140		
4-Chloro-3-methylphenol	1250		µg/kg dry	205	2070	BRL	61	30-130		
2-Chlorophenol	1190		µg/kg dry	205	2070	BRL	58	30-130		
Chrysene	1220		µg/kg dry	205	2070	BRL	59	40-140		
1,4-Dichlorobenzene	1110		µg/kg dry	205	2070	BRL	54	40-140		
Indeno (1,2,3-cd) pyrene	1210		µg/kg dry	205	2070	BRL	59	40-140		
Naphthalene	1170		µg/kg dry	205	2070	BRL	57	40-140		
4-Nitrophenol	1390		µg/kg dry	819	2070	BRL	67	30-130		
N-Nitrosodi-n-propylamine	1360		µg/kg dry	205	2070	BRL	66	40-140		
Pentachlorophenol	1530		µg/kg dry	205	2070	BRL	74	30-130		
Phenol	1160		µg/kg dry	205	2070	BRL	56	30-130		
Pyrene	1300		µg/kg dry	205	2070	BRL	63	40-140		
1,2,4-Trichlorobenzene	1140		µg/kg dry	205	2070	BRL	55	40-140		
Surrogate: 2-Fluorobiphenyl	*1180*		µg/kg dry		*2070*		*57*	*30-130*		
Surrogate: 2-Fluorophenol	*1020*		µg/kg dry		*2070*		*49*	*15-110*		
Surrogate: Nitrobenzene-d5	*1100*		µg/kg dry		*2070*		*53*	*30-130*		
Surrogate: Phenol-d5	*975*		µg/kg dry		*2070*		*47*	*15-110*		
Surrogate: Terphenyl-dl4	*1100*		µg/kg dry		*2070*		*53*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*1300*		µg/kg dry		*2070*		*63*	*15-110*		
Matrix Spike Dup (9010768-MSD1) **Source: SA89735-02**										
Prepared: 14-Jan-09 Analyzed: 17-Jan-09										
Acenaphthene	1420		µg/kg dry	206	2080	BRL	68	40-140	10	30
Benzo (b) fluoranthene	1430		µg/kg dry	206	2080	BRL	69	40-140	18	30
Benzo (k) fluoranthene	1460		µg/kg dry	206	2080	BRL	70	40-140	1	30
4-Chloro-3-methylphenol	1380		µg/kg dry	206	2080	BRL	66	30-130	9	30
2-Chlorophenol	1350		µg/kg dry	206	2080	BRL	65	30-130	11	30
Chrysene	1450		µg/kg dry	206	2080	BRL	70	40-140	17	30
1,4-Dichlorobenzene	1240		µg/kg dry	206	2080	BRL	60	40-140	11	30
Indeno (1,2,3-cd) pyrene	1410		µg/kg dry	206	2080	BRL	68	40-140	15	30
Naphthalene	1220		µg/kg dry	206	2080	BRL	59	40-140	4	30
4-Nitrophenol	1490		µg/kg dry	823	2080	BRL	72	30-130	6	30
N-Nitrosodi-n-propylamine	1560		µg/kg dry	206	2080	BRL	75	40-140	13	30
Pentachlorophenol	1770		µg/kg dry	206	2080	BRL	85	30-130	14	30
Phenol	1310		µg/kg dry	206	2080	BRL	63	30-130	12	30
Pyrene	1440		µg/kg dry	206	2080	BRL	69	40-140	10	30
1,2,4-Trichlorobenzene	1190		µg/kg dry	206	2080	BRL	57	40-140	4	30
Surrogate: 2-Fluorobiphenyl	*1270*		µg/kg dry		*2080*		*61*	*30-130*		
Surrogate: 2-Fluorophenol	*1150*		µg/kg dry		*2080*		*55*	*15-110*		
Surrogate: Nitrobenzene-d5	*1160*		µg/kg dry		*2080*		*56*	*30-130*		
Surrogate: Phenol-d5	*1110*		µg/kg dry		*2080*		*53*	*15-110*		
Surrogate: Terphenyl-dl4	*1240*		µg/kg dry		*2080*		*60*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*1460*		µg/kg dry		*2080*		*70*	*15-110*		

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010811 - SW846 3550B										
Blank (9010811-BLK1)										
Prepared: 14-Jan-09 Analyzed: 15-Jan-09										
2,4,5-T	BRL		µg/kg wet	6.70						
2,4,5-T [2C]	BRL		µg/kg wet	6.70						
2,4,5-TP (Silvex)	BRL		µg/kg wet	6.70						
2,4,5-TP (Silvex) [2C]	BRL		µg/kg wet	6.70						
2,4-D	BRL		µg/kg wet	6.70						
2,4-D [2C]	BRL		µg/kg wet	6.70						
2,4-DB	BRL		µg/kg wet	6.70						
2,4-DB [2C]	BRL		µg/kg wet	6.70						
Dalapon	BRL		µg/kg wet	6.70						
Dalapon [2C]	BRL		µg/kg wet	6.70						
Dicamba	BRL		µg/kg wet	6.70						
Dicamba [2C]	BRL		µg/kg wet	6.70						
Dichlorprop	BRL		µg/kg wet	6.70						
Dichlorprop [2C]	BRL		µg/kg wet	6.70						
Dinoseb	BRL		µg/kg wet	6.70						
Dinoseb [2C]	BRL		µg/kg wet	6.70						
MCPA	BRL		µg/kg wet	670						
MCPA [2C]	BRL		µg/kg wet	670						
MCPB	BRL		µg/kg wet	670						
MCPB [2C]	BRL		µg/kg wet	670						
MCPP	BRL		µg/kg wet	670						
MCPP [2C]	BRL		µg/kg wet	670						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*17.6*		µg/kg wet		*13.3*		*132*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [:	*15.9*		µg/kg wet		*13.3*		*119*	*30-150*		
LCS (9010811-BS1)										
Prepared: 14-Jan-09 Analyzed: 15-Jan-09										
2,4,5-T	26.4		µg/kg wet	6.70	33.3		79	40-140		
2,4,5-T [2C]	29.5		µg/kg wet	6.70	33.3		89	40-140		
2,4,5-TP (Silvex)	28.4		µg/kg wet	6.70	33.3		85	40-140		
2,4,5-TP (Silvex) [2C]	30.9		µg/kg wet	6.70	33.3		93	40-140		
2,4-D	23.7		µg/kg wet	6.70	33.3		71	40-140		
2,4-D [2C]	27.0		µg/kg wet	6.70	33.3		81	40-140		
2,4-DB	28.5		µg/kg wet	6.70	33.3		86	40-140		
2,4-DB [2C]	29.5		µg/kg wet	6.70	33.3		88	40-140		
Dalapon	24.3		µg/kg wet	6.70	33.3		73	40-140		
Dalapon [2C]	19.7		µg/kg wet	6.70	33.3		59	40-140		
Dicamba	29.0		µg/kg wet	6.70	33.3		87	40-140		
Dicamba [2C]	29.0		µg/kg wet	6.70	33.3		87	40-140		
Dichlorprop	31.7		µg/kg wet	6.70	33.3		95	40-140		
Dichlorprop [2C]	32.5		µg/kg wet	6.70	33.3		97	40-140		
Dinoseb	27.7		µg/kg wet	6.70	33.3		83	40-140		
Dinoseb [2C]	28.8		µg/kg wet	6.70	33.3		86	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*15.9*		µg/kg wet		*13.3*		*119*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [:	*15.1*		µg/kg wet		*13.3*		*113*	*30-150*		
LCS (9010811-BS2)										
Prepared: 14-Jan-09 Analyzed: 15-Jan-09										
MCPA	12500		µg/kg wet	670	10000		125	40-140		
MCPA [2C]	11000		µg/kg wet	670	10000		110	40-140		
MCPB	13400		µg/kg wet	670	10000		134	40-140		

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010811 - SW846 3550B										
LCS (9010811-BS2)										
Prepared: 14-Jan-09 Analyzed: 15-Jan-09										
MCPB [2C]	12100		µg/kg wet	670	10000		121	40-140		
MCPP	11500		µg/kg wet	670	10000		115	40-140		
MCPP [2C]	12500		µg/kg wet	670	10000		125	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*18.2*		µg/kg wet		*13.3*		*136*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [	*17.4*		µg/kg wet		*13.3*		*130*	*30-150*		
LCS Dup (9010811-BSD1)										
Prepared: 14-Jan-09 Analyzed: 15-Jan-09										
2,4,5-T	30.3		µg/kg wet	6.70	33.3		91	40-140	14	25
2,4,5-T [2C]	29.0		µg/kg wet	6.70	33.3		87	40-140	2	25
2,4,5-TP (Silvex)	29.8		µg/kg wet	6.70	33.3		89	40-140	5	25
2,4,5-TP (Silvex) [2C]	30.7		µg/kg wet	6.70	33.3		92	40-140	0.4	25
2,4-D	23.7		µg/kg wet	6.70	33.3		71	40-140	0.3	25
2,4-D [2C]	28.3		µg/kg wet	6.70	33.3		85	40-140	5	25
2,4-DB	33.0		µg/kg wet	6.70	33.3		99	40-140	15	25
2,4-DB [2C]	34.3		µg/kg wet	6.70	33.3		103	40-140	15	25
Dalapon	23.9		µg/kg wet	6.70	33.3		72	40-140	1	25
Dalapon [2C]	21.3		µg/kg wet	6.70	33.3		64	40-140	7	25
Dicamba	30.4		µg/kg wet	6.70	33.3		91	40-140	5	25
Dicamba [2C]	28.8		µg/kg wet	6.70	33.3		86	40-140	0.7	25
Dichlorprop	33.5		µg/kg wet	6.70	33.3		101	40-140	6	25
Dichlorprop [2C]	32.6		µg/kg wet	6.70	33.3		98	40-140	0.4	25
Dinoseb	29.9		µg/kg wet	6.70	33.3		90	40-140	8	25
Dinoseb [2C]	30.3		µg/kg wet	6.70	33.3		91	40-140	5	25
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*16.2*		µg/kg wet		*13.3*		*122*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [	*15.5*		µg/kg wet		*13.3*		*116*	*30-150*		
LCS Dup (9010811-BSD2)										
Prepared: 14-Jan-09 Analyzed: 15-Jan-09										
MCPA	12300		µg/kg wet	670	10000		123	40-140	1	25
MCPA [2C]	10700		µg/kg wet	670	10000		107	40-140	3	25
MCPB	12700		µg/kg wet	670	10000		127	40-140	6	25
MCPB [2C]	12400		µg/kg wet	670	10000		124	40-140	2	25
MCPP	11700		µg/kg wet	670	10000		117	40-140	1	25
MCPP [2C]	12500		µg/kg wet	670	10000		125	40-140	0.5	25
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*18.5*		µg/kg wet		*13.3*		*139*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [	*16.9*		µg/kg wet		*13.3*		*127*	*30-150*		
Duplicate (9010811-DUP1) **Source: SA89692-04**										
Prepared: 14-Jan-09 Analyzed: 15-Jan-09										
2,4,5-T	BRL		µg/kg dry	6.70		BRL				30
2,4,5-T [2C]	BRL		µg/kg dry	6.70		BRL				30
2,4,5-TP (Silvex)	BRL		µg/kg dry	6.70		BRL				30
2,4,5-TP (Silvex) [2C]	BRL		µg/kg dry	6.70		BRL				30
2,4-D	BRL		µg/kg dry	6.70		BRL				30
2,4-D [2C]	BRL		µg/kg dry	6.70		BRL				30
2,4-DB	BRL		µg/kg dry	6.70		BRL				30
2,4-DB [2C]	BRL		µg/kg dry	6.70		BRL				30
Dalapon	BRL		µg/kg dry	6.70		BRL				30
Dalapon [2C]	BRL		µg/kg dry	6.70		BRL				30
Dicamba	BRL		µg/kg dry	6.70		BRL				30
Dicamba [2C]	BRL		µg/kg dry	6.70		BRL				30

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010811 - SW846 3550B										
Duplicate (9010811-DUP1) **Source: SA89692-04**										
Prepared: 14-Jan-09 Analyzed: 15-Jan-09										
Dichlorprop	BRL		µg/kg dry	6.70		BRL				30
Dichlorprop [2C]	BRL		µg/kg dry	6.70		BRL				30
Dinoseb	BRL		µg/kg dry	6.70		BRL				30
Dinoseb [2C]	BRL		µg/kg dry	6.70		BRL				30
MCPA	BRL		µg/kg dry	670		BRL				30
MCPA [2C]	BRL		µg/kg dry	670		BRL				30
MCPB	BRL		µg/kg dry	670		BRL				30
MCPB [2C]	BRL		µg/kg dry	670		BRL				30
MCPP	BRL		µg/kg dry	670		BRL				30
MCPP [2C]	BRL		µg/kg dry	670		BRL				30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*13.6*		µg/kg dry		*17.1*		*80*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [:	*12.9*		µg/kg dry		*17.1*		*75*	*30-150*		
Batch 9010831 - SW846 3550B										
Blank (9010831-BLK1)										
Prepared: 14-Jan-09 Analyzed: 16-Jan-09										
PCB 1016	BRL		µg/kg wet	20.0						
PCB 1221	BRL		µg/kg wet	20.0						
PCB 1232	BRL		µg/kg wet	20.0						
PCB 1242	BRL		µg/kg wet	20.0						
PCB 1248	BRL		µg/kg wet	20.0						
PCB 1254	BRL		µg/kg wet	20.0						
PCB 1260	BRL		µg/kg wet	20.0						
PCB 1262	BRL		µg/kg wet	20.0						
PCB 1268	BRL		µg/kg wet	20.0						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*22.3*		µg/kg wet		*20.0*		*112*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*24.7*		µg/kg wet		*20.0*		*124*	*30-150*		
LCS (9010831-BS1)										
Prepared: 14-Jan-09 Analyzed: 16-Jan-09										
PCB 1016	294		µg/kg wet	20.0	250		118	40-140		
PCB 1260	293		µg/kg wet	20.0	250		117	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*20.6*		µg/kg wet		*20.0*		*103*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*23.9*		µg/kg wet		*20.0*		*120*	*30-150*		
LCS Dup (9010831-BSD1)										
Prepared: 14-Jan-09 Analyzed: 16-Jan-09										
PCB 1016	289		µg/kg wet	20.0	250		116	40-140	2	30
PCB 1260	269		µg/kg wet	20.0	250		107	40-140	9	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*20.2*		µg/kg wet		*20.0*		*101*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*20.6*		µg/kg wet		*20.0*		*103*	*30-150*		
Duplicate (9010831-DUP1) **Source: SA89727-03**										
Prepared: 14-Jan-09 Analyzed: 16-Jan-09										
PCB 1016	BRL		µg/kg dry	23.9		BRL				40
PCB 1221	BRL		µg/kg dry	23.9		BRL				40
PCB 1232	BRL		µg/kg dry	23.9		BRL				40
PCB 1242	BRL		µg/kg dry	23.9		BRL				40
PCB 1248	BRL		µg/kg dry	23.9		BRL				40
PCB 1254	BRL		µg/kg dry	23.9		BRL				40
PCB 1260	BRL		µg/kg dry	23.9		BRL				40
PCB 1262	BRL		µg/kg dry	23.9		BRL				40
PCB 1268	BRL		µg/kg dry	23.9		BRL				40

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010831 - SW846 3550B										
Duplicate (9010831-DUP1) **Source: SA89727-03**										
Prepared: 14-Jan-09 Analyzed: 16-Jan-09										
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*25.8*		µg/kg dry		*23.9*		*108*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*25.4*		µg/kg dry		*23.9*		*106*	*30-150*		
Matrix Spike (9010831-MS1) **Source: SA89727-03**										
Prepared: 14-Jan-09 Analyzed: 16-Jan-09										
PCB 1016	377		µg/kg dry	24.7	308	BRL	122	40-140		
PCB 1260	339		µg/kg dry	24.7	308	BRL	110	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*27.1*		µg/kg dry		*24.6*		*110*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*24.6*		µg/kg dry		*24.6*		*100*	*30-150*		
Matrix Spike Dup (9010831-MSD1) **Source: SA89727-03**										
Prepared: 14-Jan-09 Analyzed: 16-Jan-09										
PCB 1016	399		µg/kg dry	25.5	318	BRL	125	40-140	2	50
PCB 1260	331		µg/kg dry	25.5	318	BRL	104	40-140	6	50
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*29.2*		µg/kg dry		*25.5*		*114*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*26.5*		µg/kg dry		*25.5*		*104*	*30-150*		

Extractable Petroleum Hydrocarbons - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010767 - SW846 3550B										
Blank (9010767-BLK1)										
Prepared: 14-Jan-09 Analyzed: 15-Jan-09										
Gasoline	BRL		mg/kg wet	13.3						
Fuel Oil #2	BRL		mg/kg wet	13.3						
Fuel Oil #4	BRL		mg/kg wet	13.3						
Fuel Oil #6	BRL		mg/kg wet	13.3						
Motor Oil	BRL		mg/kg wet	13.3						
Aviation Fuel	BRL		mg/kg wet	13.3						
Unidentified	BRL		mg/kg wet	13.3						
Other Oil	BRL		mg/kg wet	13.3						
Total Petroleum Hydrocarbons	BRL		mg/kg wet	13.3						
C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg wet	13.3						
Surrogate: 1-Chlorooctadecane	*2.80*		mg/kg wet		*3.33*		*84*	*50-150*		
LCS (9010767-BS1)										
Prepared: 14-Jan-09 Analyzed: 15-Jan-09										
C9-C36 Aliphatic Hydrocarbons	80.3		mg/kg wet	13.3	93.3		86	60-120		
Surrogate: 1-Chlorooctadecane	*2.52*		mg/kg wet		*3.33*		*76*	*50-150*		
Duplicate (9010767-DUP1) **Source: SA89735-02**										
Prepared: 14-Jan-09 Analyzed: 15-Jan-09										
Gasoline	BRL		mg/kg dry	16.6		BRL				50
Fuel Oil #2	BRL		mg/kg dry	16.6		BRL				50
Fuel Oil #4	BRL		mg/kg dry	16.6		BRL				50
Fuel Oil #6	BRL		mg/kg dry	16.6		BRL				50
Motor Oil	BRL		mg/kg dry	16.6		BRL				50
Aviation Fuel	BRL		mg/kg dry	16.6		BRL				50
Unidentified	BRL		mg/kg dry	16.6		BRL				50
Other Oil	BRL		mg/kg dry	16.6		BRL				50
Total Petroleum Hydrocarbons	BRL		mg/kg dry	16.6		BRL				50
C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	16.6		BRL				50
Surrogate: 1-Chlorooctadecane	*2.03*		mg/kg dry		*2.08*		*98*	*50-150*		
Matrix Spike (9010767-MS1) **Source: SA89735-02**										
Prepared: 14-Jan-09 Analyzed: 15-Jan-09										
C9-C36 Aliphatic Hydrocarbons	95.3		mg/kg dry	16.1	113	BRL	84	50-150		
Surrogate: 1-Chlorooctadecane	*3.10*		mg/kg dry		*4.04*		*77*	*50-150*		
Matrix Spike Dup (9010767-MSD1) **Source: SA89735-02**										
Prepared: 14-Jan-09 Analyzed: 15-Jan-09										
C9-C36 Aliphatic Hydrocarbons	93.8		mg/kg dry	16.5	116	BRL	81	50-150	4	30
Surrogate: 1-Chlorooctadecane	*3.12*		mg/kg dry		*4.14*		*75*	*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 9010634 - SW846 3050B										
Blank (9010634-BLK1)										
Prepared: 15-Jan-09 Analyzed: 16-Jan-09										
Selenium	BRL		mg/kg wet	1.35						
Lead	BRL		mg/kg wet	1.35						
Silver	BRL		mg/kg wet	1.35						
Cadmium	BRL		mg/kg wet	0.451						
Arsenic	BRL		mg/kg wet	1.35						
Chromium	BRL		mg/kg wet	0.902						
Barium	BRL		mg/kg wet	0.902						
Duplicate (9010634-DUP1)	**Source: SA89692-03**									
Prepared: 15-Jan-09 Analyzed: 16-Jan-09										
Lead	7.46	QR6	mg/kg dry	1.69		13.8			60	20
Selenium	1.91		mg/kg dry	1.69		1.57			19	20
Arsenic	5.04		mg/kg dry	1.69		6.15			20	20
Chromium	7.57	QR9	mg/kg dry	1.13		9.30			21	20
Cadmium	0.490	J	mg/kg dry	0.563		0.499			2	20
Silver	BRL		mg/kg dry	1.69		BRL				20
Barium	27.5	QR9	mg/kg dry	1.13		36.1			27	20
Matrix Spike (9010634-MS1)	**Source: SA89727-02**									
Prepared: 15-Jan-09 Analyzed: 16-Jan-09										
Lead	2610	QM2	mg/kg dry	1.89	157	1300	837	75-125		
Selenium	138		mg/kg dry	1.89	157	5.13	84	75-125		
Chromium	259	QM9	mg/kg dry	1.26	157	227	20	75-125		
Cadmium	177		mg/kg dry	0.629	157	19.9	100	75-125		
Arsenic	169		mg/kg dry	1.89	157	21.3	94	75-125		
Silver	115	QM8	mg/kg dry	1.89	157	12.1	65	75-125		
Barium	1280	QM2	mg/kg dry	1.26	157	1630	-224	75-125		
Matrix Spike Dup (9010634-MSD1)	**Source: SA89727-02**									
Prepared: 15-Jan-09 Analyzed: 16-Jan-09										
Selenium	129		mg/kg dry	1.87	156	5.13	79	75-125	7	20
Lead	2740	QM2	mg/kg dry	1.87	156	1300	924	75-125	5	20
Cadmium	179		mg/kg dry	0.624	156	19.9	102	75-125	1	20
Arsenic	157		mg/kg dry	1.87	156	21.3	87	75-125	8	20
Silver	170	QR7	mg/kg dry	1.87	156	12.1	101	75-125	39	20
Chromium	508	QM9, QR9	mg/kg dry	1.25	156	227	180	75-125	65	20
Barium	1590	QM2	mg/kg dry	1.25	156	1630	-26	75-125	22	20
Post Spike (9010634-PS1)	**Source: SA89727-02**									
Prepared: 15-Jan-09 Analyzed: 16-Jan-09										
Lead	6340	QM2	mg/kg dry	1.73	144	1300	3500	80-120		
Selenium	151		mg/kg dry	1.73	144	5.13	101	80-120		
Arsenic	169		mg/kg dry	1.73	144	21.3	102	80-120		
Cadmium	164		mg/kg dry	0.577	144	19.9	100	80-120		
Silver	162		mg/kg dry	1.73	144	12.1	104	80-120		
Barium	1930	QM2	mg/kg dry	1.15	144	1630	204	80-120		
Reference (9010634-SRM1)										
Prepared: 15-Jan-09 Analyzed: 16-Jan-09										
Selenium	143		mg/kg wet	1.50	144		99	76.6-123.1		
Lead	42.3		mg/kg wet	1.50	43.4		97	78.8-120.9		
Arsenic	50.3		mg/kg wet	1.50	52.5		96	77.6-123.1		

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

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010634 - SW846 3050B										
Reference (9010634-SRM1)										
Prepared: 15-Jan-09 Analyzed: 16-Jan-09										
Silver	14.6		mg/kg wet	1.50	15.2		96	66.4-133.6		
Cadmium	30.7		mg/kg wet	0.500	30.6		100	80.9-119.3		
Chromium	123		mg/kg wet	1.00	119		103	79.7-120.3		
Barium	118		mg/kg wet	1.00	99.9		119	79.8-119.7		
Reference (9010634-SRM2)										
Prepared: 15-Jan-09 Analyzed: 16-Jan-09										
Selenium	148		mg/kg wet	1.50	146		101	76.6-123.1		
Lead	44.7		mg/kg wet	1.50	43.9		102	78.8-120.9		
Arsenic	52.8		mg/kg wet	1.50	53.1		99	77.6-123.1		
Cadmium	31.6		mg/kg wet	0.500	31.0		102	80.9-119.3		
Silver	15.1		mg/kg wet	1.50	15.4		98	66.4-133.6		
Chromium	125		mg/kg wet	1.00	121		104	79.7-120.3		
Barium	104		mg/kg wet	1.00	101		103	79.8-119.7		
Batch 9010635 - EPA200/SW7000 Series										
Blank (9010635-BLK1)										
Prepared: 13-Jan-09 Analyzed: 16-Jan-09										
Mercury	BRL		mg/kg wet	0.0292						
Duplicate (9010635-DUP1) **Source: SA89692-03**										
Prepared: 13-Jan-09 Analyzed: 16-Jan-09										
Mercury	BRL		mg/kg dry	0.0331		BRL				20
Matrix Spike (9010635-MS1) **Source: SA89727-02**										
Prepared: 13-Jan-09 Analyzed: 16-Jan-09										
Mercury	0.848		mg/kg dry	0.0346	0.481	0.428	87	75-125		
Matrix Spike Dup (9010635-MSD1) **Source: SA89727-02**										
Prepared: 13-Jan-09 Analyzed: 16-Jan-09										
Mercury	1.15	QM9, QR7	mg/kg dry	0.0371	0.516	0.428	139	75-125	30	20
Reference (9010635-SRM1)										
Prepared: 13-Jan-09 Analyzed: 16-Jan-09										
Mercury	2.31		mg/kg wet	0.0300	2.19		105	71.7-128.8		

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

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9020349 - SW846 3050B Mod.										
Blank (9020349-BLK1)										
Prepared & Analyzed: 06-Feb-09										
Lead	BRL		mg/l	0.0075						
Cadmium	BRL		mg/l	0.0025						
Chromium	BRL		mg/l	0.0050						
LCS (9020349-BS1)										
Prepared & Analyzed: 06-Feb-09										
Lead	1.23		mg/l	0.0075	1.25		98	85-115		
Chromium	1.29		mg/l	0.0050	1.25		103	85-115		
Cadmium	1.28		mg/l	0.0025	1.25		102	85-115		
LCS Dup (9020349-BSD1)										
Prepared & Analyzed: 06-Feb-09										
Lead	1.22		mg/l	0.0075	1.25		98	85-115	0.5	20
Chromium	1.28		mg/l	0.0050	1.25		102	85-115	0.9	20
Cadmium	1.27		mg/l	0.0025	1.25		101	85-115	0.6	20
Duplicate (9020349-DUP1)	**Source: SA89497-05**									
Prepared & Analyzed: 06-Feb-09										
Lead	0.0238		mg/l	0.0075		0.0226			5	20
Chromium	BRL		mg/l	0.0050		BRL				20
Cadmium	0.0012	J	mg/l	0.0025		0.0010			9	20
Matrix Spike (9020349-MS1)	**Source: SA89650-04**									
Prepared & Analyzed: 06-Feb-09										
Lead	1.26		mg/l	0.0075	1.25	0.0076	100	75-125		
Chromium	1.29		mg/l	0.0050	1.25	BRL	103	75-125		
Cadmium	1.28		mg/l	0.0025	1.25	BRL	103	75-125		
Matrix Spike Dup (9020349-MSD1)	**Source: SA89650-04**									
Prepared & Analyzed: 06-Feb-09										
Lead	1.26		mg/l	0.0075	1.25	0.0076	100	75-125	0.08	20
Cadmium	1.29		mg/l	0.0025	1.25	BRL	103	75-125	0.1	20
Chromium	1.29		mg/l	0.0050	1.25	BRL	103	75-125	0.4	20
Post Spike (9020349-PS1)	**Source: SA89650-04**									
Prepared & Analyzed: 06-Feb-09										
Lead	1.26		mg/l	0.0075	1.25	0.0076	100	75-125		
Cadmium	1.29		mg/l	0.0025	1.25	BRL	103	75-125		
Chromium	1.30		mg/l	0.0050	1.25	BRL	104	75-125		

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

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9011251 - SW846 3010A										
Blank (9011251-BLK1)										
Prepared & Analyzed: 21-Jan-09										
Lead	BRL		mg/l	0.0150						
Cadmium	BRL		mg/l	0.0050						
Arsenic	BRL		mg/l	0.0080						
Chromium	BRL		mg/l	0.0100						
Silver	BRL		mg/l	0.0100						
Barium	BRL		mg/l	0.0100						
LCS (9011251-BS1)										
Prepared & Analyzed: 21-Jan-09										
Lead	2.56		mg/l	0.0150	2.50		102	85-115		
Arsenic	2.52		mg/l	0.0080	2.50		101	85-115		
Silver	2.51		mg/l	0.0100	2.50		101	85-115		
Cadmium	2.61		mg/l	0.0050	2.50		105	85-115		
Chromium	2.55		mg/l	0.0100	2.50		102	85-115		
Barium	2.62		mg/l	0.0100	2.50		105	85-115		
LCS Dup (9011251-BSD1)										
Prepared & Analyzed: 21-Jan-09										
Lead	2.56		mg/l	0.0150	2.50		103	85-115	0.04	20
Silver	2.50		mg/l	0.0100	2.50		100	85-115	0.4	20
Chromium	2.56		mg/l	0.0100	2.50		103	85-115	0.7	20
Arsenic	2.52		mg/l	0.0080	2.50		101	85-115	0.2	20
Cadmium	2.64		mg/l	0.0050	2.50		105	85-115	0.8	20
Barium	2.63		mg/l	0.0100	2.50		105	85-115	0.3	20
Duplicate (9011251-DUP1)	**Source: SA89650-05**									
Prepared & Analyzed: 21-Jan-09										
Lead	0.0122	J	mg/l	0.0150		0.0106			14	20
Cadmium	BRL		mg/l	0.0050		BRL				20
Silver	BRL		mg/l	0.0100		BRL				20
Chromium	BRL		mg/l	0.0100		BRL				20
Arsenic	0.0084	QR6	mg/l	0.0080		0.0068			21	20
Barium	0.0375	QR6	mg/l	0.0100		0.0597			46	20
Matrix Spike (9011251-MS1)	**Source: SA89727-02**									
Prepared & Analyzed: 21-Jan-09										
Lead	2.56		mg/l	0.0150	2.50	BRL	102	75-125		
Cadmium	2.61		mg/l	0.0050	2.50	BRL	104	75-125		
Chromium	2.54		mg/l	0.0100	2.50	BRL	102	75-125		
Arsenic	2.50		mg/l	0.0080	2.50	BRL	100	75-125		
Silver	2.50		mg/l	0.0100	2.50	BRL	100	75-125		
Barium	2.80		mg/l	0.0100	2.50	0.180	105	75-125		
Matrix Spike Dup (9011251-MSD1)	**Source: SA89727-02**									
Prepared & Analyzed: 21-Jan-09										
Lead	2.58		mg/l	0.0150	2.50	BRL	103	75-125	0.7	20
Arsenic	2.54		mg/l	0.0080	2.50	BRL	102	75-125	2	20
Silver	2.53		mg/l	0.0100	2.50	BRL	101	75-125	1	20
Cadmium	2.63		mg/l	0.0050	2.50	BRL	105	75-125	0.8	20
Chromium	2.55		mg/l	0.0100	2.50	BRL	102	75-125	0.6	20
Barium	2.82		mg/l	0.0100	2.50	0.180	106	75-125	0.5	20

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

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9011251 - SW846 3010A										
Post Spike (9011251-PS1)	**Source: SA89727-02**									
Prepared & Analyzed: 21-Jan-09										
Lead	2.62		mg/l	0.0150	2.50	BRL	105	75-125		
Silver	2.56		mg/l	0.0100	2.50	BRL	103	75-125		
Chromium	2.60		mg/l	0.0100	2.50	BRL	104	75-125		
Cadmium	2.67		mg/l	0.0050	2.50	BRL	107	75-125		
Arsenic	2.59		mg/l	0.0080	2.50	BRL	103	75-125		
Barium	2.88		mg/l	0.0100	2.50	0.180	108	75-125		
Batch 9020248 - SW846 3010A										
Blank (9020248-BLK1)										
Prepared & Analyzed: 04-Feb-09										
Arsenic	BRL		mg/l	0.0080						
LCS (9020248-BS1)										
Prepared & Analyzed: 04-Feb-09										
Arsenic	2.44		mg/l	0.0080	2.50		97	85-115		
LCS Dup (9020248-BSD1)										
Prepared & Analyzed: 04-Feb-09										
Arsenic	2.40		mg/l	0.0080	2.50		96	85-115	1	20
Duplicate (9020248-DUP1)	**Source: SA90577-02**									
Prepared & Analyzed: 04-Feb-09										
Arsenic	BRL		mg/l	0.0080		BRL				20
Matrix Spike (9020248-MS1)	**Source: SA90577-01**									
Prepared & Analyzed: 04-Feb-09										
Arsenic	2.47		mg/l	0.0080	2.50	BRL	99	75-125		
Matrix Spike Dup (9020248-MSD1)	**Source: SA90577-01**									
Prepared & Analyzed: 04-Feb-09										
Arsenic	2.49		mg/l	0.0080	2.50	BRL	100	75-125	1	20
Post Spike (9020248-PS1)	**Source: SA90577-01**									
Prepared & Analyzed: 04-Feb-09										
Arsenic	2.49		mg/l	0.0080	2.50	BRL	99	75-125		

General Chemistry Parameters - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010818 - General Preparation										
Duplicate (9010818-DUP1)	**Source: SA89727-03**									
Prepared & Analyzed: 14-Jan-09										
% Solids	79.2		%			77.6			2	20
Batch 9010819 - General Preparation										
Duplicate (9010819-DUP1)	**Source: SA89603-01**									
Prepared & Analyzed: 14-Jan-09										
% Solids	82.3		%			83.8			2	20

Notes and Definitions

QC1	Analyte out of acceptance range.
QC2	Analyte out of acceptance range in QC spike but no reportable concentration present in sample.
QM2	The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte inherent in the sample.
QM8	The spike recovery exceeded the QC control limits for the MS and/or MSD. The batch was accepted based upon acceptable PS and /or LCS recovery
QM9	The spike recovery for this QC sample is outside the established control limits. The sample results for the QC batch were accepted based on LCS or SRM recoveries within the control limits.
QR2	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
QR5	RPD out of acceptance range.
QR6	The RPD exceeded the QC control limits; however precision is demonstrated with acceptable RPD values for MS/MSD.
QR7	The RPD exceeded the QC control limits; however precision is demonstrated with acceptable RPD values for batch duplicate.
QR9	RPD out of acceptance range. The batch is accepted based upon LCS and/or LCSD recovery.
VC10	The VOC preserved soil sample is not within the 1:1 weight to volume ratio as recommended by SW846 methods 5030 and 5035 but may be within the 1:1 volume to volume ratio. This variance may affect the final reporting limit.
BRL	Below Reporting Limit - Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference
J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).

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

Interpretation of Total Petroleum Hydrocarbon Report

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

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

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

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

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

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

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

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

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

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

Validated by:
Hanibal C. Tayeh, Ph.D.
Nicole Leja
Rebecca Merz

Reasonable Confidence Protocols
Laboratory Analysis
QA/QC Certification Form

Laboratory Name:	Spectrum Analytical, Inc. - Agawam, MA	**Client:**	Tetra Tech Rizzo - Hartford, CT
Project Location:	Hartford Busway - West Hartford, CT	**Project Number:**	127-17797-08011
Sampling Date(s):	09-Jan-09	**Laboratory Sample ID(s):**	SA89727-01 through SA89727-08

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

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

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

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

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

Date: 2/11/2009

SA 89727

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

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

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

Project Mgr.: David Brassard

Invoice To: DAS # 44236

P.O. No.: _____ RQN: _____

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

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH_3OH 8=$NaHSO_4$ 9= H_2O 10= _____

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

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic		VOC 8260	SVOC 8270	CT ETPH	PCB 8080	Herb 8151	Total RCRA8			QA Reporting Notes: (check if needed)
89727-01	RSB-C37	1/9/09	0845	G	SO	7,9	3	2				X	X	X	X	X	X			
-02	RSB-C36		0930																	
-03	RSB-C35		1000																	
-04	RSB-C34		1045																	
-05	RSB-C33		1130																	
-06	RSB-C32		1245																	
-07	RSB-C31		1315																	
-08	RSB-30		1350																	

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

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

State specific reporting standards: CT

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

Condition upon receipt: [ ] Iced [ ] Ambient [ ] °C 3.9 VIALS 5.7 AMBER

Relinquished by:	Received by:	Date:	Time:
[signature]	Bergeron	1-12-09	9:48 AM
Bergeron	[signature]	1/12/09	13:00

Ref

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

SA 89727

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

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

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

Project Mgr.: David Brassard

Invoice To: DAS # 44236

P.O. No.: _____ RQN: _____

Project No.: 127-17797-03011
Site Name: Hartford Busway
Location: West Hartford State: CT
Sampler(s) Patrick S. dePaula

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH_3OH 8=$NaHSO_3$ 9= H_2O 10= _____

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

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic		VOC 8260	SVOC 8270	CT ETPH	PCB 8080	Herb 8151	Total RCRA8	SPLP Pb As, Cd, Cr	SPLP Ag, Ba	
89727-01	RSB-C37	1/9/09	0845	G	SO	7,9	3	2				X	X	X	X	X	X			
-02	RSB-C36		0930															X	X	
-03	RSB-C35		1000																	
-04	RSB-C34		1045															X		
-05	RSB-C33		1130																	
-06	RSB-C32		1245																	
-07	RSB-C31		1315																	
-08	RSB-30		1350																	

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

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

State specific reporting standards: CT

ADDED 1/19/09 see attached ANALYSIS

☐ Fax results when available to ( )
☐ E-mail to david.brassard@tetratech.com
EDD Format patrick.depaula

Condition upon receipt: ☐ Iced ☐ Ambient ☐ °C 3.9 vials 5.7 AMBER

Relinquished by:	Received by:	Date:	Time:
[signature]	Bergeron	1-12-09	9:48 AM
Bergeron	[signature]	1/12/09	13:00

Ref

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

SA89727

SPECTRUM ANALYTICAL, INC.
Formerly
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

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

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

Project Mgr.: David Brassard

Invoice To: DAS # 44236

P.O. No.: _____ RQN: _____

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

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH_3OH 8=$NaHSO_4$ 9= H_2O 10= _____

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

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic		VOC 8260	SVOC 8270	CT ETPH	PCB 8080	Herb 8151	Total RCRA8	SPLP Pb, As, Cd, Cr	SPLP Pb, As	QA Reporting Notes: (check if needed)
89727	RSB-C37	1/9/09	0845	G	SO	7,9	3	2				X	X	X	X	X	X			
	RSB-C36		0930															x	✓	X TCLP Cd, Cr, Pb
	RSB-C35		1000																	
04	RSB-C34		1045															x		X TCLP Pb
05	RSB-C33		1130																	
06	RSB-C32		1245																	
07	RSB-C31		1315																	
08	RSB-30		1350																	X TCLP Pb + SPLP As
																				ADDED ANALYSIS

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

Condition upon receipt: ☐ Iced ☐ Ambient ☐ °C 3.9 vials 5 Amber

Relinquished by:	Received by:	Date	Time
[signature]	[signature]	1-12-09	9:45 AM
Bergeron	[signature]	1/12/09	13:00

(X) Added 2/3/09 See attached

Ref

Report Date:
11-Feb-09 17:51

☐ Final Report
☐ Re-Issued Report
☑ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

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

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

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SA89650-01	RSB-C38	Soil	08-Jan-09 14:00	09-Jan-09 16:45
SA89650-02	RSB-C39	Soil	08-Jan-09 12:45	09-Jan-09 16:45
SA89650-03	RSB-C40	Soil	08-Jan-09 11:00	09-Jan-09 16:45
SA89650-04	RSB-C41	Soil	08-Jan-09 09:45	09-Jan-09 16:45
SA89650-05	RSB-C42	Soil	08-Jan-09 08:30	09-Jan-09 16:45

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

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

Authorized by:

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

Technical Reviewer's Initial:

Spectrum Analytical holds certification in the State of New York for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of New York does not offer certification for all analytes.
Please note that this report contains 51 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supercedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report is available upon request. This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

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

Please contact the Laboratory or Technical Director at 800-789-9115 with any questions regarding the data contained in this laboratory report.

CASE NARRATIVE:

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

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

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

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

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

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

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

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

SW846 1312/6010B

Duplicates:

9011251-DUP1 *Source: SA89650-05*

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

Arsenic

SW846 8270C

Laboratory Control Samples:

9010669-BS1

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

4-Chloroaniline
Aniline

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C38 SA89650-01	127-17797-08011	Soil	08-Jan-09 14:00	09-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	12-Jan-09	12-Jan-09	9010618	
Volatile Organic Compounds					Initial weight: 3.9 g						
Prepared by method SW846 5035A Soil (low level)											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	10.5	1	SW846 8260B	12-Jan-09	12-Jan-09	9010601	X
67-64-1	Acetone	BRL		µg/kg dry	105	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	10.5	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	10.5	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	10.5	1	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	10.5	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	10.5	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	10.5	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	21.1	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	105	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	10.5	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	10.5	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	10.5	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	52.7	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	10.5	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	10.5	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	21.1	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	10.5	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	21.1	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	10.5	1	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	10.5	1	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	21.1	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	10.5	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	10.5	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	10.5	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	10.5	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	10.5	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	10.5	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	21.1	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	10.5	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	10.5	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	10.5	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	10.5	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	10.5	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	10.5	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	10.5	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	10.5	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	10.5	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	10.5	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	10.5	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	10.5	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	10.5	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	105	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	10.5	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	10.5	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	10.5	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	105	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	105	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	10.5	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C38 SA89650-01	127-17797-08011	Soil	08-Jan-09 14:00	09-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
Volatile Organic Compounds											
Prepared by method SW846 5035A Soil (low level)					Initial weight: 3.9 g						
103-65-1	n-Propylbenzene	BRL		µg/kg dry	10.5	1	SW846 8260B	12-Jan-09	12-Jan-09	9010601	X
100-42-5	Styrene	BRL		µg/kg dry	10.5	1	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	10.5	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	10.5	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	10.5	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	10.5	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	10.5	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	10.5	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	10.5	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	10.5	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	10.5	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	10.5	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	10.5	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	10.5	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	10.5	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	10.5	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	10.5	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	21.1	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	10.5	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	105	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	10.5	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	10.5	1	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	10.5	1	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	10.5	1	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	105	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	211	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	52.7	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	4220	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*85*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*91*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*116*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*101*		*70-130 %*			"	"	"	"	
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
83-32-9	Acenaphthene	BRL		µg/kg dry	449	1	SW846 8270C	13-Jan-09	16-Jan-09	9010669	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	449	1	"	"	"	"	X
62-53-3	Aniline	BRL		µg/kg dry	449	1	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	449	1	"	"	"	"	X
1912-24-9	Atrazine	BRL		µg/kg dry	449	1	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/kg dry	449	1	"	"	"	"	
92-87-5	Benzidine	BRL		µg/kg dry	449	1	"	"	"	"	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	449	1	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	449	1	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	449	1	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	449	1	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	449	1	"	"	"	"	X
65-85-0	Benzoic acid	BRL		µg/kg dry	449	1	"	"	"	"	X
100-51-6	Benzyl alcohol	BRL		µg/kg dry	449	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C38 SA89650-01	127-17797-08011	Soil	08-Jan-09 14:00	09-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
111-91-1	Bis(2-chloroethoxy)methane	BRL		µg/kg dry	449	1	SW846 8270C	13-Jan-09	16-Jan-09	9010669	X
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/kg dry	449	1	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	449	1	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	449	1	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/kg dry	449	1	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	BRL		µg/kg dry	449	1	"	"	"	"	X
86-74-8	Carbazole	BRL		µg/kg dry	449	1	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	BRL		µg/kg dry	449	1	"	"	"	"	X
106-47-8	4-Chloroaniline	BRL		µg/kg dry	449	1	"	"	"	"	X
91-58-7	2-Chloronaphthalene	BRL		µg/kg dry	449	1	"	"	"	"	X
95-57-8	2-Chlorophenol	BRL		µg/kg dry	449	1	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/kg dry	449	1	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	449	1	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	449	1	"	"	"	"	X
132-64-9	Dibenzofuran	BRL		µg/kg dry	449	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	449	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	449	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	449	1	"	"	"	"	X
91-94-1	3,3'-Dichlorobenzidine	BRL		µg/kg dry	449	1	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	BRL		µg/kg dry	449	1	"	"	"	"	X
84-66-2	Diethyl phthalate	BRL		µg/kg dry	449	1	"	"	"	"	X
131-11-3	Dimethyl phthalate	BRL		µg/kg dry	449	1	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	BRL		µg/kg dry	449	1	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	BRL		µg/kg dry	449	1	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	449	1	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	BRL		µg/kg dry	449	1	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	BRL		µg/kg dry	449	1	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	BRL		µg/kg dry	449	1	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	BRL		µg/kg dry	449	1	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	449	1	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	449	1	"	"	"	"	X
118-74-1	Hexachlorobenzene	BRL		µg/kg dry	449	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	449	1	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	BRL		µg/kg dry	449	1	"	"	"	"	X
67-72-1	Hexachloroethane	BRL		µg/kg dry	449	1	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	449	1	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	449	1	"	"	"	"	
78-59-1	Isophorone	BRL		µg/kg dry	449	1	"	"	"	"	X
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	449	1	"	"	"	"	X
95-48-7	2-Methylphenol	BRL		µg/kg dry	449	1	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	BRL		µg/kg dry	449	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	449	1	"	"	"	"	X
88-74-4	2-Nitroaniline	BRL		µg/kg dry	449	1	"	"	"	"	X
99-09-2	3-Nitroaniline	BRL		µg/kg dry	449	1	"	"	"	"	X
100-01-6	4-Nitroaniline	BRL		µg/kg dry	1800	1	"	"	"	"	X
98-95-3	Nitrobenzene	BRL		µg/kg dry	449	1	"	"	"	"	X
88-75-5	2-Nitrophenol	BRL		µg/kg dry	449	1	"	"	"	"	X
100-02-7	4-Nitrophenol	BRL		µg/kg dry	1800	1	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	BRL		µg/kg dry	449	1	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/kg dry	449	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C38	127-17797-08011	Soil	08-Jan-09 14:00	09-Jan-09
SA89650-01				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
86-30-6	N-Nitrosodiphenylamine	BRL		µg/kg dry	449	1	SW846 8270C	13-Jan-09	16-Jan-09	9010669	X
87-86-5	Pentachlorophenol	BRL		µg/kg dry	449	1	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	449	1	"	"	"	"	X
108-95-2	Phenol	BRL		µg/kg dry	449	1	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	449	1	"	"	"	"	X
110-86-1	Pyridine	BRL		µg/kg dry	449	1	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	449	1	"	"	"	"	X
95-95-4	2,4,5-Trichlorophenol	BRL		µg/kg dry	449	1	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	BRL		µg/kg dry	449	1	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	BRL		µg/kg dry	449	1	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	449	1	"	"	"	"	X
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*56*		*30-130 %*			"	"	"	"	
367-12-4	*2-Fluorophenol*	*60*		*15-110 %*			"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*53*		*30-130 %*			"	"	"	"	
4165-62-2	*Phenol-d5*	*51*		*15-110 %*			"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*76*		*30-130 %*			"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*58*		*15-110 %*			"	"	"	"	
Semivolatile Organic Compounds by GC											
Polychlorinated Biphenyls by SW846 8082											
Prepared by method SW846 3550B											
12674-11-2	PCB 1016	BRL		µg/kg dry	26.9	1	SW846 8082	13-Jan-09	13-Jan-09	9010678	X
11104-28-2	PCB 1221	BRL		µg/kg dry	26.9	1	"	"	"	"	X
11141-16-5	PCB 1232	BRL		µg/kg dry	26.9	1	"	"	"	"	X
53469-21-9	PCB 1242	BRL		µg/kg dry	26.9	1	"	"	"	"	X
12672-29-6	PCB 1248	BRL		µg/kg dry	26.9	1	"	"	"	"	X
11097-69-1	PCB 1254	BRL		µg/kg dry	26.9	1	"	"	"	"	X
11096-82-5	PCB 1260	BRL		µg/kg dry	26.9	1	"	"	"	"	X
37324-23-5	PCB 1262	BRL		µg/kg dry	26.9	1	"	"	"	"	X
11100-14-4	PCB 1268	BRL		µg/kg dry	26.9	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*102*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*99*		*30-150 %*			"	"	"	"	
Chlorinated Herbicides by SW846 8151A											
Prepared by method SW846 3550B											
93-76-5	2,4,5-T	BRL		µg/kg dry	6.70	1	SW846 8151A	14-Jan-09	15-Jan-09	9010811	X
93-72-1	2,4,5-TP (Silvex)	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-75-7	2,4-D	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-82-6	2,4-DB	BRL		µg/kg dry	6.70	1	"	"	"	"	X
75-99-0	Dalapon	BRL		µg/kg dry	6.70	1	"	"	"	"	X
1918-00-9	Dicamba	BRL		µg/kg dry	6.70	1	"	"	"	"	X
120-36-5	Dichlorprop	BRL		µg/kg dry	6.70	1	"	"	"	"	X
88-85-7	Dinoseb	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-74-6	MCPA	BRL		µg/kg dry	670	1	"	"	"	"	X
94-81-5	MCPB	BRL		µg/kg dry	670	1	"	"	"	"	
93-65-2	MCPP	BRL		µg/kg dry	670	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*120*		*30-150 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											

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Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C38 SA89650-01	127-17797-08011	Soil	08-Jan-09 14:00	09-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3550B											
8006-61-9	Gasoline	BRL		mg/kg dry	18.1	1	+CT ETPH	13-Jan-09	14-Jan-09	9010672	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	18.1	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	18.1	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	18.1	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	18.1	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	18.1	1	"	"	"	"	
	Unidentified	BRL		mg/kg dry	18.1	1	"	"	"	"	
	Other Oil	BRL		mg/kg dry	18.1	1	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL		mg/kg dry	18.1	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	18.1	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*83*		*50-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	BRL		mg/kg dry	1.79	1	SW846 6010B	14-Jan-09	15-Jan-09	9010598	X
7440-38-2	Arsenic	6.89		mg/kg dry	1.79	1	"	"	"	"	X
7440-39-3	Barium	146		mg/kg dry	1.19	1	"	"	"	"	X
7440-43-9	Cadmium	BRL		mg/kg dry	0.596	1	"	"	"	"	X
7440-47-3	Chromium	8.14		mg/kg dry	1.19	1	"	"	"	"	X
7439-97-6	Mercury	0.115		mg/kg dry	0.0366	1	SW846 7471A	13-Jan-09	15-Jan-09	9010600	X
7439-92-1	Lead	74.2		mg/kg dry	1.79	1	SW846 6010B	14-Jan-09	15-Jan-09	9010598	X
7782-49-2	Selenium	BRL		mg/kg dry	1.79	1	"	"	"	"	X
General Chemistry Parameters											
	% Solids	73.4		%		1	SM2540 G Mod.	13-Jan-09	13-Jan-09	9010739	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C39 SA89650-02	127-17797-08011	Soil	08-Jan-09 12:45	09-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	12-Jan-09	12-Jan-09	9010618	
Volatile Organic Compounds						Initial weight: 4.81 g					
Prepared by method SW846 5035A Soil (low level)											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	9.7	1	SW846 8260B	12-Jan-09	12-Jan-09	9010601	X
67-64-1	Acetone	BRL		µg/kg dry	96.9	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	9.7	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	9.7	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	9.7	1	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	9.7	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	9.7	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	9.7	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	19.4	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	96.9	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	9.7	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	9.7	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	9.7	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	48.4	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	9.7	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	9.7	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	19.4	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	9.7	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	19.4	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	9.7	1	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	9.7	1	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	19.4	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	9.7	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	9.7	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	9.7	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	9.7	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	9.7	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	9.7	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	19.4	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	9.7	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	9.7	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	9.7	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	9.7	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	9.7	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	9.7	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	9.7	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	9.7	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	9.7	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	9.7	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	9.7	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	9.7	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	9.7	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	96.9	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	9.7	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	9.7	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	9.7	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	96.9	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	96.9	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	9.7	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C39 SA89650-02	127-17797-08011	Soil	08-Jan-09 12:45	09-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
Volatile Organic Compounds						Initial weight: 4.81 g					
Prepared by method SW846 5035A Soil (low level)											
103-65-1	n-Propylbenzene	BRL		µg/kg dry	9.7	1	SW846 8260B	12-Jan-09	12-Jan-09	9010601	X
100-42-5	Styrene	BRL		µg/kg dry	9.7	1	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	9.7	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	9.7	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	9.7	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	9.7	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	9.7	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	9.7	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	9.7	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	9.7	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	9.7	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	9.7	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	9.7	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	9.7	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	9.7	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	9.7	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	9.7	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	19.4	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	9.7	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	96.9	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	9.7	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	9.7	1	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	9.7	1	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	9.7	1	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	96.9	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	194	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	48.4	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	3880	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*84*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*91*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*116*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*105*		*70-130 %*			"	"	"	"	
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
83-32-9	Acenaphthene	BRL		µg/kg dry	468	1	SW846 8270C	13-Jan-09	16-Jan-09	9010669	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	468	1	"	"	"	"	X
62-53-3	Aniline	BRL		µg/kg dry	468	1	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	468	1	"	"	"	"	X
1912-24-9	Atrazine	BRL		µg/kg dry	468	1	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/kg dry	468	1	"	"	"	"	
92-87-5	Benzidine	BRL		µg/kg dry	468	1	"	"	"	"	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	468	1	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	468	1	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	468	1	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	468	1	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	468	1	"	"	"	"	X
65-85-0	Benzoic acid	BRL		µg/kg dry	468	1	"	"	"	"	X
100-51-6	Benzyl alcohol	BRL		µg/kg dry	468	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C39 SA89650-02	127-17797-08011	Soil	08-Jan-09 12:45	09-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
111-91-1	Bis(2-chloroethoxy)methane	BRL		µg/kg dry	468	1	SW846 8270C	13-Jan-09	16-Jan-09	9010669	X
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/kg dry	468	1	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	468	1	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	468	1	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/kg dry	468	1	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	BRL		µg/kg dry	468	1	"	"	"	"	X
86-74-8	Carbazole	BRL		µg/kg dry	468	1	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	BRL		µg/kg dry	468	1	"	"	"	"	X
106-47-8	4-Chloroaniline	BRL		µg/kg dry	468	1	"	"	"	"	X
91-58-7	2-Chloronaphthalene	BRL		µg/kg dry	468	1	"	"	"	"	X
95-57-8	2-Chlorophenol	BRL		µg/kg dry	468	1	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/kg dry	468	1	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	468	1	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	468	1	"	"	"	"	X
132-64-9	Dibenzofuran	BRL		µg/kg dry	468	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	468	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	468	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	468	1	"	"	"	"	X
91-94-1	3,3'-Dichlorobenzidine	BRL		µg/kg dry	468	1	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	BRL		µg/kg dry	468	1	"	"	"	"	X
84-66-2	Diethyl phthalate	BRL		µg/kg dry	468	1	"	"	"	"	X
131-11-3	Dimethyl phthalate	BRL		µg/kg dry	468	1	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	BRL		µg/kg dry	468	1	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	BRL		µg/kg dry	468	1	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	468	1	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	BRL		µg/kg dry	468	1	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	BRL		µg/kg dry	468	1	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	BRL		µg/kg dry	468	1	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	BRL		µg/kg dry	468	1	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	468	1	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	468	1	"	"	"	"	X
118-74-1	Hexachlorobenzene	BRL		µg/kg dry	468	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	468	1	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	BRL		µg/kg dry	468	1	"	"	"	"	X
67-72-1	Hexachloroethane	BRL		µg/kg dry	468	1	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	468	1	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	468	1	"	"	"	"	
78-59-1	Isophorone	BRL		µg/kg dry	468	1	"	"	"	"	X
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	468	1	"	"	"	"	X
95-48-7	2-Methylphenol	BRL		µg/kg dry	468	1	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	BRL		µg/kg dry	468	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	468	1	"	"	"	"	X
88-74-4	2-Nitroaniline	BRL		µg/kg dry	468	1	"	"	"	"	X
99-09-2	3-Nitroaniline	BRL		µg/kg dry	468	1	"	"	"	"	X
100-01-6	4-Nitroaniline	BRL		µg/kg dry	1870	1	"	"	"	"	X
98-95-3	Nitrobenzene	BRL		µg/kg dry	468	1	"	"	"	"	X
88-75-5	2-Nitrophenol	BRL		µg/kg dry	468	1	"	"	"	"	X
100-02-7	4-Nitrophenol	BRL		µg/kg dry	1870	1	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	BRL		µg/kg dry	468	1	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/kg dry	468	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C39 SA89650-02	127-17797-08011	Soil	08-Jan-09 12:45	09-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
86-30-6	N-Nitrosodiphenylamine	BRL		µg/kg dry	468	1	SW846 8270C	13-Jan-09	16-Jan-09	9010669	X
87-86-5	Pentachlorophenol	BRL		µg/kg dry	468	1	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	468	1	"	"	"	"	X
108-95-2	Phenol	BRL		µg/kg dry	468	1	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	468	1	"	"	"	"	X
110-86-1	Pyridine	BRL		µg/kg dry	468	1	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	468	1	"	"	"	"	X
95-95-4	2,4,5-Trichlorophenol	BRL		µg/kg dry	468	1	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	BRL		µg/kg dry	468	1	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	BRL		µg/kg dry	468	1	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	468	1	"	"	"	"	X
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*70*		*30-130 %*			"	"	"	"	
367-12-4	*2-Fluorophenol*	*79*		*15-110 %*			"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*71*		*30-130 %*			"	"	"	"	
4165-62-2	*Phenol-d5*	*65*		*15-110 %*			"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*104*		*30-130 %*			"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*71*		*15-110 %*			"	"	"	"	
Semivolatile Organic Compounds by GC											
Polychlorinated Biphenyls by SW846 8082											
Prepared by method SW846 3550B											
12674-11-2	PCB 1016	BRL		µg/kg dry	28.7	1	SW846 8082	13-Jan-09	13-Jan-09	9010678	X
11104-28-2	PCB 1221	BRL		µg/kg dry	28.7	1	"	"	"	"	X
11141-16-5	PCB 1232	BRL		µg/kg dry	28.7	1	"	"	"	"	X
53469-21-9	PCB 1242	BRL		µg/kg dry	28.7	1	"	"	"	"	X
12672-29-6	PCB 1248	BRL		µg/kg dry	28.7	1	"	"	"	"	X
11097-69-1	PCB 1254	BRL		µg/kg dry	28.7	1	"	"	"	"	X
11096-82-5	PCB 1260	BRL		µg/kg dry	28.7	1	"	"	"	"	X
37324-23-5	PCB 1262	BRL		µg/kg dry	28.7	1	"	"	"	"	X
11100-14-4	PCB 1268	BRL		µg/kg dry	28.7	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*99*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*102*		*30-150 %*			"	"	"	"	
Chlorinated Herbicides by SW846 8151A											
Prepared by method SW846 3550B											
93-76-5	2,4,5-T	BRL		µg/kg dry	6.70	1	SW846 8151A	14-Jan-09	15-Jan-09	9010811	X
93-72-1	2,4,5-TP (Silvex)	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-75-7	2,4-D	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-82-6	2,4-DB	BRL		µg/kg dry	6.70	1	"	"	"	"	X
75-99-0	Dalapon	BRL		µg/kg dry	6.70	1	"	"	"	"	X
1918-00-9	Dicamba	BRL		µg/kg dry	6.70	1	"	"	"	"	X
120-36-5	Dichlorprop	BRL		µg/kg dry	6.70	1	"	"	"	"	X
88-85-7	Dinoseb	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-74-6	MCPA	BRL		µg/kg dry	670	1	"	"	"	"	X
94-81-5	MCPB	BRL		µg/kg dry	670	1	"	"	"	"	
93-65-2	MCPP	BRL		µg/kg dry	670	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*108*		*30-150 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C39	127-17797-08011	Soil	08-Jan-09 12:45	09-Jan-09
SA89650-02				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3550B											
8006-61-9	Gasoline	BRL		mg/kg dry	18.9	1	+CT ETPH	13-Jan-09	14-Jan-09	9010672	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	18.9	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	18.9	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	18.9	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	18.9	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	18.9	1	"	"	"	"	
	Unidentified	BRL		mg/kg dry	18.9	1	"	"	"	"	
	Other Oil	BRL		mg/kg dry	18.9	1	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL		mg/kg dry	18.9	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	18.9	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*97*		*50-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	BRL		mg/kg dry	2.02	1	SW846 6010B	14-Jan-09	15-Jan-09	9010598	X
7440-38-2	Arsenic	4.62		mg/kg dry	2.02	1	"	"	"	"	X
7440-39-3	Barium	87.3		mg/kg dry	1.35	1	"	"	"	"	X
7440-43-9	Cadmium	BRL		mg/kg dry	0.673	1	"	"	"	"	X
7440-47-3	Chromium	8.71		mg/kg dry	1.35	1	"	"	"	"	X
7439-97-6	Mercury	0.507		mg/kg dry	0.0418	1	SW846 7471A	13-Jan-09	15-Jan-09	9010600	X
7439-92-1	Lead	63.3		mg/kg dry	2.02	1	SW846 6010B	14-Jan-09	15-Jan-09	9010598	X
7782-49-2	Selenium	BRL		mg/kg dry	2.02	1	"	"	"	"	X
General Chemistry Parameters											
	% Solids	69.4		%		1	SM2540 G Mod.	13-Jan-09	13-Jan-09	9010739	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C40 SA89650-03	127-17797-08011	Soil	08-Jan-09 11:00	09-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	12-Jan-09	12-Jan-09	9010618	
Volatile Organic Compounds						Initial weight: 4.97 g					
Prepared by method SW846 5035A Soil (low level)											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	8.1	1	SW846 8260B	12-Jan-09	12-Jan-09	9010601	X
67-64-1	Acetone	BRL		µg/kg dry	81.2	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	8.1	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	8.1	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	8.1	1	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	8.1	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	8.1	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	8.1	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	16.2	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	81.2	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	8.1	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	8.1	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	8.1	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	40.6	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	8.1	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	8.1	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	16.2	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	8.1	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	16.2	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	8.1	1	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	8.1	1	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	16.2	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	8.1	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	8.1	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	8.1	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	8.1	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	8.1	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	8.1	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	16.2	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	8.1	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	8.1	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	8.1	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	8.1	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	8.1	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	8.1	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	8.1	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	8.1	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	8.1	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	8.1	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	8.1	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	8.1	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	8.1	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	81.2	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	8.1	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	8.1	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	8.1	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	81.2	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	81.2	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	8.1	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C40 SA89650-03	127-17797-08011	Soil	08-Jan-09 11:00	09-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
Volatile Organic Compounds											
Prepared by method SW846 5035A Soil (low level)					Initial weight: 4.97 g						
103-65-1	n-Propylbenzene	BRL		µg/kg dry	8.1	1	SW846 8260B	12-Jan-09	12-Jan-09	9010601	X
100-42-5	Styrene	BRL		µg/kg dry	8.1	1	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	8.1	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	8.1	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	8.1	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	8.1	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	8.1	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	8.1	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	8.1	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	8.1	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	8.1	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	8.1	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	8.1	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	8.1	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	8.1	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	8.1	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	8.1	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	16.2	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	8.1	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	81.2	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	8.1	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	8.1	1	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	8.1	1	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	8.1	1	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	81.2	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	162	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	40.6	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	3250	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*86*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*94*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*115*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*104*		*70-130 %*			"	"	"	"	
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
83-32-9	Acenaphthene	BRL		µg/kg dry	423	1	SW846 8270C	13-Jan-09	13-Jan-09	9010669	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	423	1	"	"	"	"	X
62-53-3	Aniline	BRL		µg/kg dry	423	1	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	423	1	"	"	"	"	X
1912-24-9	Atrazine	BRL		µg/kg dry	423	1	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/kg dry	423	1	"	"	"	"	
92-87-5	Benzidine	BRL		µg/kg dry	423	1	"	"	"	"	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	423	1	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	423	1	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	423	1	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	423	1	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	423	1	"	"	"	"	X
65-85-0	Benzoic acid	BRL		µg/kg dry	423	1	"	"	"	"	X
100-51-6	Benzyl alcohol	BRL		µg/kg dry	423	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C40 SA89650-03	127-17797-08011	Soil	08-Jan-09 11:00	09-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
111-91-1	Bis(2-chloroethoxy)methane	BRL		µg/kg dry	423	1	SW846 8270C	13-Jan-09	13-Jan-09	9010669	X
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/kg dry	423	1	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	423	1	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	423	1	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/kg dry	423	1	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	BRL		µg/kg dry	423	1	"	"	"	"	X
86-74-8	Carbazole	BRL		µg/kg dry	423	1	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	BRL		µg/kg dry	423	1	"	"	"	"	X
106-47-8	4-Chloroaniline	BRL		µg/kg dry	423	1	"	"	"	"	X
91-58-7	2-Chloronaphthalene	BRL		µg/kg dry	423	1	"	"	"	"	X
95-57-8	2-Chlorophenol	BRL		µg/kg dry	423	1	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/kg dry	423	1	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	423	1	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	423	1	"	"	"	"	X
132-64-9	Dibenzofuran	BRL		µg/kg dry	423	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	423	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	423	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	423	1	"	"	"	"	X
91-94-1	3,3'-Dichlorobenzidine	BRL		µg/kg dry	423	1	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	BRL		µg/kg dry	423	1	"	"	"	"	X
84-66-2	Diethyl phthalate	BRL		µg/kg dry	423	1	"	"	"	"	X
131-11-3	Dimethyl phthalate	BRL		µg/kg dry	423	1	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	BRL		µg/kg dry	423	1	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	BRL		µg/kg dry	423	1	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	423	1	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	BRL		µg/kg dry	423	1	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	BRL		µg/kg dry	423	1	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	BRL		µg/kg dry	423	1	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	BRL		µg/kg dry	423	1	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	423	1	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	423	1	"	"	"	"	X
118-74-1	Hexachlorobenzene	BRL		µg/kg dry	423	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	423	1	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	BRL		µg/kg dry	423	1	"	"	"	"	X
67-72-1	Hexachloroethane	BRL		µg/kg dry	423	1	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	423	1	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	423	1	"	"	"	"	
78-59-1	Isophorone	BRL		µg/kg dry	423	1	"	"	"	"	X
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	423	1	"	"	"	"	X
95-48-7	2-Methylphenol	BRL		µg/kg dry	423	1	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	BRL		µg/kg dry	423	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	423	1	"	"	"	"	X
88-74-4	2-Nitroaniline	BRL		µg/kg dry	423	1	"	"	"	"	X
99-09-2	3-Nitroaniline	BRL		µg/kg dry	423	1	"	"	"	"	X
100-01-6	4-Nitroaniline	BRL		µg/kg dry	1690	1	"	"	"	"	X
98-95-3	Nitrobenzene	BRL		µg/kg dry	423	1	"	"	"	"	X
88-75-5	2-Nitrophenol	BRL		µg/kg dry	423	1	"	"	"	"	X
100-02-7	4-Nitrophenol	BRL		µg/kg dry	1690	1	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	BRL		µg/kg dry	423	1	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/kg dry	423	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C40	127-17797-08011	Soil	08-Jan-09 11:00	09-Jan-09
SA89650-03				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
86-30-6	N-Nitrosodiphenylamine	BRL		µg/kg dry	423	1	SW846 8270C	13-Jan-09	13-Jan-09	9010669	X
87-86-5	Pentachlorophenol	BRL		µg/kg dry	423	1	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	423	1	"	"	"	"	X
108-95-2	Phenol	BRL		µg/kg dry	423	1	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	423	1	"	"	"	"	X
110-86-1	Pyridine	BRL		µg/kg dry	423	1	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	423	1	"	"	"	"	X
95-95-4	2,4,5-Trichlorophenol	BRL		µg/kg dry	423	1	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	BRL		µg/kg dry	423	1	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	BRL		µg/kg dry	423	1	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	423	1	"	"	"	"	X
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*61*		*30-130 %*			"	"	"	"	
367-12-4	*2-Fluorophenol*	*67*		*15-110 %*			"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*61*		*30-130 %*			"	"	"	"	
4165-62-2	*Phenol-d5*	*60*		*15-110 %*			"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*72*		*30-130 %*			"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*66*		*15-110 %*			"	"	"	"	
Semivolatile Organic Compounds by GC											
Polychlorinated Biphenyls by SW846 8082											
Prepared by method SW846 3550B											
12674-11-2	PCB 1016	BRL		µg/kg dry	25.1	1	SW846 8082	13-Jan-09	13-Jan-09	9010678	X
11104-28-2	PCB 1221	BRL		µg/kg dry	25.1	1	"	"	"	"	X
11141-16-5	PCB 1232	BRL		µg/kg dry	25.1	1	"	"	"	"	X
53469-21-9	PCB 1242	BRL		µg/kg dry	25.1	1	"	"	"	"	X
12672-29-6	PCB 1248	BRL		µg/kg dry	25.1	1	"	"	"	"	X
11097-69-1	PCB 1254	BRL		µg/kg dry	25.1	1	"	"	"	"	X
11096-82-5	PCB 1260	BRL		µg/kg dry	25.1	1	"	"	"	"	X
37324-23-5	PCB 1262	BRL		µg/kg dry	25.1	1	"	"	"	"	X
11100-14-4	PCB 1268	BRL		µg/kg dry	25.1	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*97*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*98*		*30-150 %*			"	"	"	"	
Chlorinated Herbicides by SW846 8151A											
Prepared by method SW846 3550B											
93-76-5	2,4,5-T	BRL		µg/kg dry	6.70	1	SW846 8151A	14-Jan-09	15-Jan-09	9010811	X
93-72-1	2,4,5-TP (Silvex)	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-75-7	2,4-D	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-82-6	2,4-DB	BRL		µg/kg dry	6.70	1	"	"	"	"	X
75-99-0	Dalapon	BRL		µg/kg dry	6.70	1	"	"	"	"	X
1918-00-9	Dicamba	BRL		µg/kg dry	6.70	1	"	"	"	"	X
120-36-5	Dichlorprop	BRL		µg/kg dry	6.70	1	"	"	"	"	X
88-85-7	Dinoseb	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-74-6	MCPA	BRL		µg/kg dry	670	1	"	"	"	"	X
94-81-5	MCPB	BRL		µg/kg dry	670	1	"	"	"	"	
93-65-2	MCPP	BRL		µg/kg dry	670	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*94*		*30-150 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C40 SA89650-03	127-17797-08011	Soil	08-Jan-09 11:00	09-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3550B											
8006-61-9	Gasoline	BRL		mg/kg dry	17.0	1	+CT ETPH	13-Jan-09	14-Jan-09	9010672	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	17.0	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	17.0	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	17.0	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	17.0	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	17.0	1	"	"	"	"	
	Unidentified	BRL		mg/kg dry	17.0	1	"	"	"	"	
	Other Oil	BRL		mg/kg dry	17.0	1	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL		mg/kg dry	17.0	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	17.0	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*87*		*50-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	BRL		mg/kg dry	1.67	1	SW846 6010B	14-Jan-09	15-Jan-09	9010598	X
7440-38-2	Arsenic	BRL		mg/kg dry	1.67	1	"	"	"	"	X
7440-39-3	Barium	29.7		mg/kg dry	1.11	1	"	"	"	"	X
7440-43-9	Cadmium	BRL		mg/kg dry	0.555	1	"	"	"	"	X
7440-47-3	Chromium	6.70		mg/kg dry	1.11	1	"	"	"	"	X
7439-97-6	Mercury	0.0537		mg/kg dry	0.0390	1	SW846 7471A	13-Jan-09	15-Jan-09	9010600	X
7439-92-1	Lead	6.65		mg/kg dry	1.67	1	SW846 6010B	14-Jan-09	15-Jan-09	9010598	X
7782-49-2	Selenium	BRL		mg/kg dry	1.67	1	"	"	"	"	X
General Chemistry Parameters											
	% Solids	76.4		%		1	SM2540 G Mod.	13-Jan-09	13-Jan-09	9010739	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C41	127-17797-08011	Soil	08-Jan-09 09:45	09-Jan-09
SA89650-04				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	12-Jan-09	12-Jan-09	9010618	
Volatile Organic Compounds											
Prepared by method SW846 5035A Soil (low level)						Initial weight: 5.91 g					
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	7.0	1	SW846 8260B	12-Jan-09	13-Jan-09	9010601	X
67-64-1	Acetone	BRL		µg/kg dry	69.8	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	7.0	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	7.0	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	7.0	1	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	7.0	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	7.0	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	7.0	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	14.0	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	69.8	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	7.0	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	7.0	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	7.0	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	34.9	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	7.0	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	7.0	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	14.0	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	7.0	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	14.0	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	7.0	1	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	7.0	1	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	14.0	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	7.0	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	7.0	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	7.0	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	7.0	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	7.0	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	7.0	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	14.0	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	7.0	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	7.0	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	7.0	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	7.0	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	7.0	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	7.0	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	7.0	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	7.0	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	7.0	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	7.0	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	7.0	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	7.0	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	7.0	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	69.8	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	7.0	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	7.0	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	7.0	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	69.8	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	69.8	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	7.0	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C41 SA89650-04	127-17797-08011	Soil	08-Jan-09 09:45	09-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
Volatile Organic Compounds						Initial weight: 5.91 g					
Prepared by method SW846 5035A Soil (low level)											
103-65-1	n-Propylbenzene	BRL		µg/kg dry	7.0	1	SW846 8260B	12-Jan-09	13-Jan-09	9010601	X
100-42-5	Styrene	BRL		µg/kg dry	7.0	1	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	7.0	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	7.0	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	7.0	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	7.0	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	7.0	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	7.0	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	7.0	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	7.0	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	7.0	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	7.0	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	7.0	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	7.0	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	7.0	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	7.0	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	7.0	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	14.0	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	7.0	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	69.8	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	7.0	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	7.0	1	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	7.0	1	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	7.0	1	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	69.8	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	140	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	34.9	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	2790	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*82*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*91*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*121*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*105*		*70-130 %*			"	"	"	"	
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
83-32-9	Acenaphthene	BRL		µg/kg dry	425	1	SW846 8270C	13-Jan-09	16-Jan-09	9010669	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	425	1	"	"	"	"	X
62-53-3	Aniline	BRL		µg/kg dry	425	1	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	425	1	"	"	"	"	X
1912-24-9	Atrazine	BRL		µg/kg dry	425	1	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/kg dry	425	1	"	"	"	"	
92-87-5	Benzidine	BRL		µg/kg dry	425	1	"	"	"	"	X
56-55-3	Benzo (a) anthracene	444		µg/kg dry	425	1	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	425	1	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	443		µg/kg dry	425	1	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	425	1	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	536		µg/kg dry	425	1	"	"	"	"	X
65-85-0	Benzoic acid	BRL		µg/kg dry	425	1	"	"	"	"	X
100-51-6	Benzyl alcohol	BRL		µg/kg dry	425	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C41	127-17797-08011	Soil	08-Jan-09 09:45	09-Jan-09
SA89650-04				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
111-91-1	Bis(2-chloroethoxy)methane	BRL		µg/kg dry	425	1	SW846 8270C	13-Jan-09	16-Jan-09	9010669	X
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/kg dry	425	1	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	425	1	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	425	1	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/kg dry	425	1	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	BRL		µg/kg dry	425	1	"	"	"	"	X
86-74-8	Carbazole	BRL		µg/kg dry	425	1	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	BRL		µg/kg dry	425	1	"	"	"	"	X
106-47-8	4-Chloroaniline	BRL		µg/kg dry	425	1	"	"	"	"	X
91-58-7	2-Chloronaphthalene	BRL		µg/kg dry	425	1	"	"	"	"	X
95-57-8	2-Chlorophenol	BRL		µg/kg dry	425	1	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/kg dry	425	1	"	"	"	"	X
218-01-9	Chrysene	887		µg/kg dry	425	1	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	425	1	"	"	"	"	X
132-64-9	Dibenzofuran	BRL		µg/kg dry	425	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	425	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	425	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	425	1	"	"	"	"	X
91-94-1	3,3'-Dichlorobenzidine	BRL		µg/kg dry	425	1	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	BRL		µg/kg dry	425	1	"	"	"	"	X
84-66-2	Diethyl phthalate	BRL		µg/kg dry	425	1	"	"	"	"	X
131-11-3	Dimethyl phthalate	BRL		µg/kg dry	425	1	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	BRL		µg/kg dry	425	1	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	BRL		µg/kg dry	425	1	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	425	1	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	BRL		µg/kg dry	425	1	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	BRL		µg/kg dry	425	1	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	BRL		µg/kg dry	425	1	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	BRL		µg/kg dry	425	1	"	"	"	"	X
206-44-0	Fluoranthene	2,260		µg/kg dry	425	1	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	425	1	"	"	"	"	X
118-74-1	Hexachlorobenzene	BRL		µg/kg dry	425	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	425	1	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	BRL		µg/kg dry	425	1	"	"	"	"	X
67-72-1	Hexachloroethane	BRL		µg/kg dry	425	1	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	425	1	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	425	1	"	"	"	"	
78-59-1	Isophorone	BRL		µg/kg dry	425	1	"	"	"	"	X
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	425	1	"	"	"	"	X
95-48-7	2-Methylphenol	BRL		µg/kg dry	425	1	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	BRL		µg/kg dry	425	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	425	1	"	"	"	"	X
88-74-4	2-Nitroaniline	BRL		µg/kg dry	425	1	"	"	"	"	X
99-09-2	3-Nitroaniline	BRL		µg/kg dry	425	1	"	"	"	"	X
100-01-6	4-Nitroaniline	BRL		µg/kg dry	1700	1	"	"	"	"	X
98-95-3	Nitrobenzene	BRL		µg/kg dry	425	1	"	"	"	"	X
88-75-5	2-Nitrophenol	BRL		µg/kg dry	425	1	"	"	"	"	X
100-02-7	4-Nitrophenol	BRL		µg/kg dry	1700	1	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	BRL		µg/kg dry	425	1	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/kg dry	425	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C41 SA89650-04	127-17797-08011	Soil	08-Jan-09 09:45	09-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
86-30-6	N-Nitrosodiphenylamine	BRL		µg/kg dry	425	1	SW846 8270C	13-Jan-09	16-Jan-09	9010669	X
87-86-5	Pentachlorophenol	BRL		µg/kg dry	425	1	"	"	"	"	X
85-01-8	Phenanthrene	1,070		µg/kg dry	425	1	"	"	"	"	X
108-95-2	Phenol	BRL		µg/kg dry	425	1	"	"	"	"	X
129-00-0	Pyrene	2,340		µg/kg dry	425	1	"	"	"	"	X
110-86-1	Pyridine	BRL		µg/kg dry	425	1	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	425	1	"	"	"	"	X
95-95-4	2,4,5-Trichlorophenol	BRL		µg/kg dry	425	1	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	BRL		µg/kg dry	425	1	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	BRL		µg/kg dry	425	1	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	425	1	"	"	"	"	X
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*62*		*30-130 %*			"	"	"	"	
367-12-4	*2-Fluorophenol*	*68*		*15-110 %*			"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*62*		*30-130 %*			"	"	"	"	
4165-62-2	*Phenol-d5*	*56*		*15-110 %*			"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*89*		*30-130 %*			"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*60*		*15-110 %*			"	"	"	"	
Semivolatile Organic Compounds by GC											
Polychlorinated Biphenyls by SW846 8082											
Prepared by method SW846 3550B											
12674-11-2	PCB 1016	BRL		µg/kg dry	25.6	1	SW846 8082	13-Jan-09	13-Jan-09	9010678	X
11104-28-2	PCB 1221	BRL		µg/kg dry	25.6	1	"	"	"	"	X
11141-16-5	PCB 1232	BRL		µg/kg dry	25.6	1	"	"	"	"	X
53469-21-9	PCB 1242	BRL		µg/kg dry	25.6	1	"	"	"	"	X
12672-29-6	PCB 1248	BRL		µg/kg dry	25.6	1	"	"	"	"	X
11097-69-1	PCB 1254	BRL		µg/kg dry	25.6	1	"	"	"	"	X
11096-82-5	PCB 1260	BRL		µg/kg dry	25.6	1	"	"	"	"	X
37324-23-5	PCB 1262	BRL		µg/kg dry	25.6	1	"	"	"	"	X
11100-14-4	PCB 1268	BRL		µg/kg dry	25.6	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*92*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*99*		*30-150 %*			"	"	"	"	
Chlorinated Herbicides by SW846 8151A											
Prepared by method SW846 3550B											
93-76-5	2,4,5-T	BRL		µg/kg dry	6.70	1	SW846 8151A	14-Jan-09	15-Jan-09	9010811	X
93-72-1	2,4,5-TP (Silvex)	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-75-7	2,4-D	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-82-6	2,4-DB	BRL		µg/kg dry	6.70	1	"	"	"	"	X
75-99-0	Dalapon	BRL		µg/kg dry	6.70	1	"	"	"	"	X
1918-00-9	Dicamba	BRL		µg/kg dry	6.70	1	"	"	"	"	X
120-36-5	Dichlorprop	BRL		µg/kg dry	6.70	1	"	"	"	"	X
88-85-7	Dinoseb	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-74-6	MCPA	BRL		µg/kg dry	670	1	"	"	"	"	X
94-81-5	MCPB	BRL		µg/kg dry	670	1	"	"	"	"	
93-65-2	MCPP	BRL		µg/kg dry	670	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*99*		*30-150 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											

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

* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C41	127-17797-08011	Soil	08-Jan-09 09:45	09-Jan-09
SA89650-04				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3550B											
8006-61-9	Gasoline	BRL		mg/kg dry	17.1	1	+CT ETPH	13-Jan-09	14-Jan-09	9010672	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	17.1	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	17.1	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	17.1	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	17.1	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	17.1	1	"	"	"	"	
	Unidentified	76.1		mg/kg dry	17.1	1	"	"	"	"	
	Other Oil	Calculated as		mg/kg dry	17.1	1	"	"	"	"	
	Total Petroleum Hydrocarbons	76.1		mg/kg dry	17.1	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	76.1		mg/kg dry	17.1	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*88*		*50-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	BRL		mg/kg dry	1.80	1	SW846 6010B	14-Jan-09	15-Jan-09	9010598	X
7440-38-2	Arsenic	10.4		mg/kg dry	1.80	1	"	"	"	"	X
7440-39-3	Barium	84.6		mg/kg dry	1.20	1	"	"	"	"	X
7440-43-9	Cadmium	0.678		mg/kg dry	0.600	1	"	"	"	"	X
7440-47-3	Chromium	9.41		mg/kg dry	1.20	1	"	"	"	"	X
7439-97-6	Mercury	0.734		mg/kg dry	0.0359	1	SW846 7471A	13-Jan-09	15-Jan-09	9010600	X
7439-92-1	Lead	155		mg/kg dry	1.80	1	SW846 6010B	14-Jan-09	15-Jan-09	9010598	X
7782-49-2	Selenium	2.08		mg/kg dry	1.80	1	"	"	"	"	X
TCLP Metals by EPA 1311 & 6000/7000 Series Methods											
	TCLP Extraction	Completed		N/A		1	SW846 1311	04-Feb-09	04-Feb-09	9020341	X
7439-92-1	Lead	0.0076		mg/l	0.0075	1	SW846 1311/6010B	06-Feb-09	06-Feb-09	9020349	X
SPLP Metals by EPA 1312 & 6000/7000 Series Methods											
	SPLP Extraction	Completed		N/A		1	SW846 1312	20-Jan-09	20-Jan-09	9011195	
7440-38-2	Arsenic	BRL		mg/l	0.0080	1	SW846 1312/6010B	21-Jan-09	21-Jan-09	9011251	
7440-47-3	Chromium	BRL		mg/l	0.0100	1	"	"	"	"	
7439-97-6	Mercury	BRL		mg/l	0.00020	1	SW846 1312/7470A	"	22-Jan-09	9011253	
7439-92-1	Lead	BRL		mg/l	0.0150	1	SW846 1312/6010B	"	21-Jan-09	9011251	
General Chemistry Parameters											
	% Solids	77.1		%		1	SM2540 G Mod.	13-Jan-09	13-Jan-09	9010739	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C42 SA89650-05	127-17797-08011	Soil	08-Jan-09 08:30	09-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	12-Jan-09	12-Jan-09	9010618	
Volatile Organic Compounds					Initial weight: 4.74 g						
Prepared by method SW846 5035A Soil (low level)											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	8.7	1	SW846 8260B	12-Jan-09	13-Jan-09	9010601	X
67-64-1	Acetone	BRL		µg/kg dry	87.4	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	8.7	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	8.7	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	8.7	1	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	8.7	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	8.7	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	8.7	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	17.5	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	87.4	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	8.7	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	8.7	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	8.7	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	43.7	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	8.7	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	8.7	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	17.5	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	8.7	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	17.5	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	8.7	1	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	8.7	1	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	17.5	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	8.7	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	8.7	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	8.7	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	8.7	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	8.7	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	8.7	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	17.5	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	8.7	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	8.7	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	8.7	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	8.7	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	8.7	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	8.7	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	8.7	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	8.7	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	8.7	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	8.7	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	8.7	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	8.7	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	8.7	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	87.4	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	8.7	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	8.7	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	8.7	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	87.4	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	87.4	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	8.7	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C42	127-17797-08011	Soil	08-Jan-09 08:30	09-Jan-09
SA89650-05				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
Volatile Organic Compounds											
Prepared by method SW846 5035A Soil (low level)					Initial weight: 4.74 g						
103-65-1	n-Propylbenzene	BRL		µg/kg dry	8.7	1	SW846 8260B	12-Jan-09	13-Jan-09	9010601	X
100-42-5	Styrene	BRL		µg/kg dry	8.7	1	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	8.7	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	8.7	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	8.7	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	8.7	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	8.7	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	8.7	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	8.7	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	8.7	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	8.7	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	8.7	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	8.7	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	8.7	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	8.7	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	8.7	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	8.7	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	17.5	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	8.7	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	87.4	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	8.7	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	8.7	1	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	8.7	1	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	8.7	1	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	87.4	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	175	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	43.7	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	3500	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*78*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*89*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*116*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*104*		*70-130 %*			"	"	"	"	
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
83-32-9	Acenaphthene	BRL		µg/kg dry	436	1	SW846 8270C	13-Jan-09	16-Jan-09	9010669	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	436	1	"	"	"	"	X
62-53-3	Aniline	BRL		µg/kg dry	436	1	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	436	1	"	"	"	"	X
1912-24-9	Atrazine	BRL		µg/kg dry	436	1	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/kg dry	436	1	"	"	"	"	
92-87-5	Benzidine	BRL		µg/kg dry	436	1	"	"	"	"	X
56-55-3	Benzo (a) anthracene	1,450		µg/kg dry	436	1	"	"	"	"	X
50-32-8	Benzo (a) pyrene	937		µg/kg dry	436	1	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	1,380		µg/kg dry	436	1	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	589		µg/kg dry	436	1	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	1,380		µg/kg dry	436	1	"	"	"	"	X
65-85-0	Benzoic acid	BRL		µg/kg dry	436	1	"	"	"	"	X
100-51-6	Benzyl alcohol	BRL		µg/kg dry	436	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C42 SA89650-05	127-17797-08011	Soil	08-Jan-09 08:30	09-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
111-91-1	Bis(2-chloroethoxy)methane	BRL		µg/kg dry	436	1	SW846 8270C	13-Jan-09	16-Jan-09	9010669	X
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/kg dry	436	1	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	436	1	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	436	1	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/kg dry	436	1	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	BRL		µg/kg dry	436	1	"	"	"	"	X
86-74-8	Carbazole	BRL		µg/kg dry	436	1	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	BRL		µg/kg dry	436	1	"	"	"	"	X
106-47-8	4-Chloroaniline	BRL		µg/kg dry	436	1	"	"	"	"	X
91-58-7	2-Chloronaphthalene	BRL		µg/kg dry	436	1	"	"	"	"	X
95-57-8	2-Chlorophenol	BRL		µg/kg dry	436	1	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/kg dry	436	1	"	"	"	"	X
218-01-9	Chrysene	2,210		µg/kg dry	436	1	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	436	1	"	"	"	"	X
132-64-9	Dibenzofuran	BRL		µg/kg dry	436	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	436	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	436	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	436	1	"	"	"	"	X
91-94-1	3,3'-Dichlorobenzidine	BRL		µg/kg dry	436	1	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	BRL		µg/kg dry	436	1	"	"	"	"	X
84-66-2	Diethyl phthalate	BRL		µg/kg dry	436	1	"	"	"	"	X
131-11-3	Dimethyl phthalate	BRL		µg/kg dry	436	1	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	BRL		µg/kg dry	436	1	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	BRL		µg/kg dry	436	1	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	436	1	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	BRL		µg/kg dry	436	1	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	BRL		µg/kg dry	436	1	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	BRL		µg/kg dry	436	1	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	BRL		µg/kg dry	436	1	"	"	"	"	X
206-44-0	Fluoranthene	4,780		µg/kg dry	436	1	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	436	1	"	"	"	"	X
118-74-1	Hexachlorobenzene	BRL		µg/kg dry	436	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	436	1	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	BRL		µg/kg dry	436	1	"	"	"	"	X
67-72-1	Hexachloroethane	BRL		µg/kg dry	436	1	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	646		µg/kg dry	436	1	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	436	1	"	"	"	"	
78-59-1	Isophorone	BRL		µg/kg dry	436	1	"	"	"	"	X
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	436	1	"	"	"	"	X
95-48-7	2-Methylphenol	BRL		µg/kg dry	436	1	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	BRL		µg/kg dry	436	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	436	1	"	"	"	"	X
88-74-4	2-Nitroaniline	BRL		µg/kg dry	436	1	"	"	"	"	X
99-09-2	3-Nitroaniline	BRL		µg/kg dry	436	1	"	"	"	"	X
100-01-6	4-Nitroaniline	BRL		µg/kg dry	1740	1	"	"	"	"	X
98-95-3	Nitrobenzene	BRL		µg/kg dry	436	1	"	"	"	"	X
88-75-5	2-Nitrophenol	BRL		µg/kg dry	436	1	"	"	"	"	X
100-02-7	4-Nitrophenol	BRL		µg/kg dry	1740	1	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	BRL		µg/kg dry	436	1	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/kg dry	436	1	"	"	"	"	X

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010601 - SW846 5035A Soil (low level)										
Blank (9010601-BLK1)										
Prepared & Analyzed: 12-Jan-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg wet	5.0						
Acetone	BRL		µg/kg wet	50.0						
Acrylonitrile	BRL		µg/kg wet	5.0						
Benzene	BRL		µg/kg wet	5.0						
Bromobenzene	BRL		µg/kg wet	5.0						
Bromochloromethane	BRL		µg/kg wet	5.0						
Bromodichloromethane	BRL		µg/kg wet	5.0						
Bromoform	BRL		µg/kg wet	5.0						
Bromomethane	BRL		µg/kg wet	10.0						
2-Butanone (MEK)	BRL		µg/kg wet	50.0						
n-Butylbenzene	BRL		µg/kg wet	5.0						
sec-Butylbenzene	BRL		µg/kg wet	5.0						
tert-Butylbenzene	BRL		µg/kg wet	5.0						
Carbon disulfide	BRL		µg/kg wet	25.0						
Carbon tetrachloride	BRL		µg/kg wet	5.0						
Chlorobenzene	BRL		µg/kg wet	5.0						
Chloroethane	BRL		µg/kg wet	10.0						
Chloroform	BRL		µg/kg wet	5.0						
Chloromethane	BRL		µg/kg wet	10.0						
2-Chlorotoluene	BRL		µg/kg wet	5.0						
4-Chlorotoluene	BRL		µg/kg wet	5.0						
1,2-Dibromo-3-chloropropane	BRL		µg/kg wet	10.0						
Dibromochloromethane	BRL		µg/kg wet	5.0						
1,2-Dibromoethane (EDB)	BRL		µg/kg wet	5.0						
Dibromomethane	BRL		µg/kg wet	5.0						
1,2-Dichlorobenzene	BRL		µg/kg wet	5.0						
1,3-Dichlorobenzene	BRL		µg/kg wet	5.0						
1,4-Dichlorobenzene	BRL		µg/kg wet	5.0						
Dichlorodifluoromethane (Freon12)	BRL		µg/kg wet	10.0						
1,1-Dichloroethane	BRL		µg/kg wet	5.0						
1,2-Dichloroethane	BRL		µg/kg wet	5.0						
1,1-Dichloroethene	BRL		µg/kg wet	5.0						
cis-1,2-Dichloroethene	BRL		µg/kg wet	5.0						
trans-1,2-Dichloroethene	BRL		µg/kg wet	5.0						
1,2-Dichloropropane	BRL		µg/kg wet	5.0						
1,3-Dichloropropane	BRL		µg/kg wet	5.0						
2,2-Dichloropropane	BRL		µg/kg wet	5.0						
1,1-Dichloropropene	BRL		µg/kg wet	5.0						
cis-1,3-Dichloropropene	BRL		µg/kg wet	5.0						
trans-1,3-Dichloropropene	BRL		µg/kg wet	5.0						
Ethylbenzene	BRL		µg/kg wet	5.0						
Hexachlorobutadiene	BRL		µg/kg wet	5.0						
2-Hexanone (MBK)	BRL		µg/kg wet	50.0						
Isopropylbenzene	BRL		µg/kg wet	5.0						
4-Isopropyltoluene	BRL		µg/kg wet	5.0						
Methyl tert-butyl ether	BRL		µg/kg wet	5.0						
4-Methyl-2-pentanone (MIBK)	BRL		µg/kg wet	50.0						
Methylene chloride	BRL		µg/kg wet	50.0						
Naphthalene	BRL		µg/kg wet	5.0						

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010601 - SW846 5035A Soil (low level)										
Blank (9010601-BLK1)										
Prepared & Analyzed: 12-Jan-09										
n-Propylbenzene	BRL		µg/kg wet	5.0						
Styrene	BRL		µg/kg wet	5.0						
1,1,1,2-Tetrachloroethane	BRL		µg/kg wet	5.0						
1,1,2,2-Tetrachloroethane	BRL		µg/kg wet	5.0						
Tetrachloroethene	BRL		µg/kg wet	5.0						
Toluene	BRL		µg/kg wet	5.0						
1,2,3-Trichlorobenzene	BRL		µg/kg wet	5.0						
1,2,4-Trichlorobenzene	BRL		µg/kg wet	5.0						
1,3,5-Trichlorobenzene	BRL		µg/kg wet	5.0						
1,1,1-Trichloroethane	BRL		µg/kg wet	5.0						
1,1,2-Trichloroethane	BRL		µg/kg wet	5.0						
Trichloroethene	BRL		µg/kg wet	5.0						
Trichlorofluoromethane (Freon 11)	BRL		µg/kg wet	5.0						
1,2,3-Trichloropropane	BRL		µg/kg wet	5.0						
1,2,4-Trimethylbenzene	BRL		µg/kg wet	5.0						
1,3,5-Trimethylbenzene	BRL		µg/kg wet	5.0						
Vinyl chloride	BRL		µg/kg wet	5.0						
m,p-Xylene	BRL		µg/kg wet	10.0						
o-Xylene	BRL		µg/kg wet	5.0						
Tetrahydrofuran	BRL		µg/kg wet	50.0						
Ethyl ether	BRL		µg/kg wet	5.0						
Tert-amyl methyl ether	BRL		µg/kg wet	5.0						
Ethyl tert-butyl ether	BRL		µg/kg wet	5.0						
Di-isopropyl ether	BRL		µg/kg wet	5.0						
Tert-Butanol / butyl alcohol	BRL		µg/kg wet	50.0						
1,4-Dioxane	BRL		µg/kg wet	100						
trans-1,4-Dichloro-2-butene	BRL		µg/kg wet	25.0						
Ethanol	BRL		µg/kg wet	2000						
Surrogate: 4-Bromofluorobenzene	*43.9*		µg/kg wet		*50.0*		*88*	*70-130*		
Surrogate: Toluene-d8	*45.7*		µg/kg wet		*50.0*		*91*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*56.2*		µg/kg wet		*50.0*		*112*	*70-130*		
Surrogate: Dibromofluoromethane	*50.3*		µg/kg wet		*50.0*		*101*	*70-130*		
LCS (9010601-BS1)										
Prepared & Analyzed: 12-Jan-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	20.5		µg/kg wet		20.0		103	70-130		
Acetone	17.0		µg/kg wet		20.0		85	7.9-168		
Acrylonitrile	18.0		µg/kg wet		20.0		90	70-130		
Benzene	21.1		µg/kg wet		20.0		105	70-130		
Bromobenzene	18.0		µg/kg wet		20.0		90	70-130		
Bromochloromethane	18.0		µg/kg wet		20.0		90	70-130		
Bromodichloromethane	20.8		µg/kg wet		20.0		104	70-130		
Bromoform	19.1		µg/kg wet		20.0		95	70-130		
Bromomethane	16.0		µg/kg wet		20.0		80	50-134		
2-Butanone (MEK)	16.4		µg/kg wet		20.0		82	44.6-130		
n-Butylbenzene	21.4		µg/kg wet		20.0		107	70-130		
sec-Butylbenzene	19.6		µg/kg wet		20.0		98	70-130		
tert-Butylbenzene	19.0		µg/kg wet		20.0		95	70-130		
Carbon disulfide	21.4		µg/kg wet		20.0		107	70-130		
Carbon tetrachloride	20.6		µg/kg wet		20.0		103	70-130		
Chlorobenzene	20.2		µg/kg wet		20.0		101	70-130		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010601 - SW846 5035A Soil (low level)										
LCS (9010601-BS1)										
Prepared & Analyzed: 12-Jan-09										
Chloroethane	18.1		µg/kg wet		20.0		90	59.2-130		
Chloroform	18.4		µg/kg wet		20.0		92	70-130		
Chloromethane	16.1		µg/kg wet		20.0		80	70-130		
2-Chlorotoluene	20.6		µg/kg wet		20.0		103	70-130		
4-Chlorotoluene	19.0		µg/kg wet		20.0		95	70-130		
1,2-Dibromo-3-chloropropane	19.8		µg/kg wet		20.0		99	70-130		
Dibromochloromethane	18.7		µg/kg wet		20.0		94	63.8-130		
1,2-Dibromoethane (EDB)	17.7		µg/kg wet		20.0		89	70-130		
Dibromomethane	17.8		µg/kg wet		20.0		89	70-130		
1,2-Dichlorobenzene	20.0		µg/kg wet		20.0		100	70-130		
1,3-Dichlorobenzene	18.6		µg/kg wet		20.0		93	70-130		
1,4-Dichlorobenzene	19.8		µg/kg wet		20.0		99	70-130		
Dichlorodifluoromethane (Freon12)	14.1		µg/kg wet		20.0		71	41.8-130		
1,1-Dichloroethane	20.7		µg/kg wet		20.0		104	70-130		
1,2-Dichloroethane	19.0		µg/kg wet		20.0		95	70-130		
1,1-Dichloroethene	21.5		µg/kg wet		20.0		107	70-130		
cis-1,2-Dichloroethene	19.5		µg/kg wet		20.0		98	70-130		
trans-1,2-Dichloroethene	20.3		µg/kg wet		20.0		102	70-130		
1,2-Dichloropropane	20.5		µg/kg wet		20.0		103	70-130		
1,3-Dichloropropane	19.0		µg/kg wet		20.0		95	70-130		
2,2-Dichloropropane	18.8		µg/kg wet		20.0		94	70-130		
1,1-Dichloropropene	20.2		µg/kg wet		20.0		101	70-130		
cis-1,3-Dichloropropene	18.2		µg/kg wet		20.0		91	70-130		
trans-1,3-Dichloropropene	19.0		µg/kg wet		20.0		95	70-130		
Ethylbenzene	20.1		µg/kg wet		20.0		100	70-130		
Hexachlorobutadiene	18.8		µg/kg wet		20.0		94	68.3-130		
2-Hexanone (MBK)	16.6		µg/kg wet		20.0		83	70-130		
Isopropylbenzene	19.5		µg/kg wet		20.0		98	70-130		
4-Isopropyltoluene	20.7		µg/kg wet		20.0		103	70-130		
Methyl tert-butyl ether	19.0		µg/kg wet		20.0		95	70-130		
4-Methyl-2-pentanone (MIBK)	15.6		µg/kg wet		20.0		78	53.1-132		
Methylene chloride	18.8		µg/kg wet		20.0		94	70-130		
Naphthalene	16.9		µg/kg wet		20.0		84	70-130		
n-Propylbenzene	19.7		µg/kg wet		20.0		99	70-130		
Styrene	19.5		µg/kg wet		20.0		97	70-130		
1,1,1,2-Tetrachloroethane	19.8		µg/kg wet		20.0		99	70-130		
1,1,2,2-Tetrachloroethane	19.8		µg/kg wet		20.0		99	70-130		
Tetrachloroethene	18.5		µg/kg wet		20.0		92	70-130		
Toluene	17.4		µg/kg wet		20.0		87	70-130		
1,2,3-Trichlorobenzene	18.2		µg/kg wet		20.0		91	70-130		
1,2,4-Trichlorobenzene	17.3		µg/kg wet		20.0		87	70-130		
1,3,5-Trichlorobenzene	18.6		µg/kg wet		20.0		93	70-130		
1,1,1-Trichloroethane	20.2		µg/kg wet		20.0		101	70-130		
1,1,2-Trichloroethane	18.7		µg/kg wet		20.0		93	70-130		
Trichloroethene	20.3		µg/kg wet		20.0		101	70-130		
Trichlorofluoromethane (Freon 11)	19.7		µg/kg wet		20.0		98	68.2-130		
1,2,3-Trichloropropane	18.1		µg/kg wet		20.0		91	70-130		
1,2,4-Trimethylbenzene	19.2		µg/kg wet		20.0		96	70-130		
1,3,5-Trimethylbenzene	19.5		µg/kg wet		20.0		97	70-130		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010601 - SW846 5035A Soil (low level)										
LCS (9010601-BS1)										
Prepared & Analyzed: 12-Jan-09										
Vinyl chloride	18.8		µg/kg wet		20.0		94	70-130		
m,p-Xylene	40.6		µg/kg wet		40.0		101	70-130		
o-Xylene	20.3		µg/kg wet		20.0		102	70-130		
Tetrahydrofuran	17.3		µg/kg wet		20.0		86	70-130		
Ethyl ether	19.2		µg/kg wet		20.0		96	70-130		
Tert-amyl methyl ether	17.6		µg/kg wet		20.0		88	70-130		
Ethyl tert-butyl ether	19.9		µg/kg wet		20.0		99	70-130		
Di-isopropyl ether	19.9		µg/kg wet		20.0		100	70-130		
Tert-Butanol / butyl alcohol	191		µg/kg wet		200		95	70-130		
1,4-Dioxane	161		µg/kg wet		200		81	48.7-130		
trans-1,4-Dichloro-2-butene	16.4		µg/kg wet		20.0		82	70-130		
Ethanol	358		µg/kg wet		400		90	70-130		
Surrogate: 4-Bromofluorobenzene	*48.0*		µg/kg wet		*50.0*		*96*	*70-130*		
Surrogate: Toluene-d8	*46.9*		µg/kg wet		*50.0*		*94*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*46.0*		µg/kg wet		*50.0*		*92*	*70-130*		
Surrogate: Dibromofluoromethane	*47.1*		µg/kg wet		*50.0*		*94*	*70-130*		
LCS Dup (9010601-BSD1)										
Prepared & Analyzed: 12-Jan-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	21.1		µg/kg wet		20.0		105	70-130	3	25
Acetone	12.1		µg/kg wet		20.0		61	7.9-168	34	50
Acrylonitrile	17.8		µg/kg wet		20.0		89	70-130	0.9	25
Benzene	21.5		µg/kg wet		20.0		108	70-130	2	25
Bromobenzene	18.1		µg/kg wet		20.0		90	70-130	0.4	25
Bromochloromethane	17.1		µg/kg wet		20.0		85	70-130	5	25
Bromodichloromethane	20.7		µg/kg wet		20.0		104	70-130	0.7	25
Bromoform	20.0		µg/kg wet		20.0		100	70-130	5	25
Bromomethane	14.9		µg/kg wet		20.0		75	50-134	7	50
2-Butanone (MEK)	17.9		µg/kg wet		20.0		90	44.6-130	9	50
n-Butylbenzene	20.6		µg/kg wet		20.0		103	70-130	4	25
sec-Butylbenzene	18.5		µg/kg wet		20.0		93	70-130	6	25
tert-Butylbenzene	18.3		µg/kg wet		20.0		92	70-130	3	25
Carbon disulfide	20.8		µg/kg wet		20.0		104	70-130	3	25
Carbon tetrachloride	20.7		µg/kg wet		20.0		104	70-130	0.7	25
Chlorobenzene	20.1		µg/kg wet		20.0		101	70-130	0.1	25
Chloroethane	16.0		µg/kg wet		20.0		80	59.2-130	12	50
Chloroform	18.7		µg/kg wet		20.0		93	70-130	2	25
Chloromethane	14.1		µg/kg wet		20.0		71	70-130	13	25
2-Chlorotoluene	19.9		µg/kg wet		20.0		99	70-130	4	25
4-Chlorotoluene	18.6		µg/kg wet		20.0		93	70-130	2	25
1,2-Dibromo-3-chloropropane	20.0		µg/kg wet		20.0		100	70-130	1	25
Dibromochloromethane	17.9		µg/kg wet		20.0		89	63.8-130	5	50
1,2-Dibromoethane (EDB)	17.3		µg/kg wet		20.0		87	70-130	2	25
Dibromomethane	18.4		µg/kg wet		20.0		92	70-130	3	25
1,2-Dichlorobenzene	19.8		µg/kg wet		20.0		99	70-130	0.9	25
1,3-Dichlorobenzene	17.6		µg/kg wet		20.0		88	70-130	5	25
1,4-Dichlorobenzene	19.6		µg/kg wet		20.0		98	70-130	1	25
Dichlorodifluoromethane (Freon12)	12.6		µg/kg wet		20.0		63	41.8-130	12	50
1,1-Dichloroethane	20.7		µg/kg wet		20.0		104	70-130	0.05	25
1,2-Dichloroethane	19.1		µg/kg wet		20.0		96	70-130	0.4	25
1,1-Dichloroethene	21.0		µg/kg wet		20.0		105	70-130	3	25

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010601 - SW846 5035A Soil (low level)										
LCS Dup (9010601-BSD1)										
Prepared & Analyzed: 12-Jan-09										
cis-1,2-Dichloroethene	20.4		µg/kg wet		20.0		102	70-130	4	25
trans-1,2-Dichloroethene	20.7		µg/kg wet		20.0		103	70-130	2	25
1,2-Dichloropropane	21.3		µg/kg wet		20.0		107	70-130	4	25
1,3-Dichloropropane	18.7		µg/kg wet		20.0		94	70-130	2	25
2,2-Dichloropropane	18.6		µg/kg wet		20.0		93	70-130	1	25
1,1-Dichloropropene	20.5		µg/kg wet		20.0		102	70-130	1	25
cis-1,3-Dichloropropene	19.0		µg/kg wet		20.0		95	70-130	5	25
trans-1,3-Dichloropropene	19.2		µg/kg wet		20.0		96	70-130	1	25
Ethylbenzene	20.8		µg/kg wet		20.0		104	70-130	4	25
Hexachlorobutadiene	17.4		µg/kg wet		20.0		87	68.3-130	8	50
2-Hexanone (MBK)	16.6		µg/kg wet		20.0		83	70-130	0.06	25
Isopropylbenzene	19.0		µg/kg wet		20.0		95	70-130	3	25
4-Isopropyltoluene	20.6		µg/kg wet		20.0		103	70-130	0.1	25
Methyl tert-butyl ether	19.9		µg/kg wet		20.0		99	70-130	5	25
4-Methyl-2-pentanone (MIBK)	14.1		µg/kg wet		20.0		71	53.1-132	10	50
Methylene chloride	17.5		µg/kg wet		20.0		87	70-130	7	25
Naphthalene	15.9		µg/kg wet		20.0		79	70-130	6	25
n-Propylbenzene	19.1		µg/kg wet		20.0		95	70-130	3	25
Styrene	19.9		µg/kg wet		20.0		99	70-130	2	25
1,1,1,2-Tetrachloroethane	20.6		µg/kg wet		20.0		103	70-130	4	25
1,1,2,2-Tetrachloroethane	19.2		µg/kg wet		20.0		96	70-130	3	25
Tetrachloroethene	18.2		µg/kg wet		20.0		91	70-130	2	25
Toluene	17.4		µg/kg wet		20.0		87	70-130	0.3	25
1,2,3-Trichlorobenzene	16.4		µg/kg wet		20.0		82	70-130	10	25
1,2,4-Trichlorobenzene	16.2		µg/kg wet		20.0		81	70-130	6	25
1,3,5-Trichlorobenzene	18.0		µg/kg wet		20.0		90	70-130	3	25
1,1,1-Trichloroethane	20.6		µg/kg wet		20.0		103	70-130	2	25
1,1,2-Trichloroethane	18.8		µg/kg wet		20.0		94	70-130	0.9	25
Trichloroethene	19.9		µg/kg wet		20.0		100	70-130	2	25
Trichlorofluoromethane (Freon 11)	19.4		µg/kg wet		20.0		97	68.2-130	1	50
1,2,3-Trichloropropane	19.0		µg/kg wet		20.0		95	70-130	5	25
1,2,4-Trimethylbenzene	18.9		µg/kg wet		20.0		95	70-130	2	25
1,3,5-Trimethylbenzene	19.1		µg/kg wet		20.0		95	70-130	2	25
Vinyl chloride	17.3		µg/kg wet		20.0		87	70-130	8	25
m,p-Xylene	40.6		µg/kg wet		40.0		102	70-130	0.05	25
o-Xylene	20.2		µg/kg wet		20.0		101	70-130	0.5	25
Tetrahydrofuran	17.8		µg/kg wet		20.0		89	70-130	3	25
Ethyl ether	19.7		µg/kg wet		20.0		98	70-130	2	50
Tert-amyl methyl ether	16.6		µg/kg wet		20.0		83	70-130	6	25
Ethyl tert-butyl ether	20.1		µg/kg wet		20.0		100	70-130	1	25
Di-isopropyl ether	21.8		µg/kg wet		20.0		109	70-130	9	25
Tert-Butanol / butyl alcohol	171		µg/kg wet		200		86	70-130	11	25
1,4-Dioxane	144		µg/kg wet		200		72	48.7-130	11	25
trans-1,4-Dichloro-2-butene	18.5		µg/kg wet		20.0		93	70-130	12	25
Ethanol	314		µg/kg wet		400		78	70-130	13	30
Surrogate: 4-Bromofluorobenzene	*47.5*		µg/kg wet		*50.0*		*95*	*70-130*		
Surrogate: Toluene-d8	*46.2*		µg/kg wet		*50.0*		*92*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*46.9*		µg/kg wet		*50.0*		*94*	*70-130*		
Surrogate: Dibromofluoromethane	*47.3*		µg/kg wet		*50.0*		*95*	*70-130*		

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010669 - SW846 3550B										
Blank (9010669-BLK1)										
Prepared & Analyzed: 13-Jan-09										
Acenaphthene	BRL		µg/kg wet	330						
Acenaphthylene	BRL		µg/kg wet	330						
Aniline	BRL		µg/kg wet	330						
Anthracene	BRL		µg/kg wet	330						
Atrazine	BRL		µg/kg wet	330						
Azobenzene/Diphenyldiazine	BRL		µg/kg wet	330						
Benzidine	BRL		µg/kg wet	330						
Benzo (a) anthracene	BRL		µg/kg wet	330						
Benzo (a) pyrene	BRL		µg/kg wet	330						
Benzo (b) fluoranthene	BRL		µg/kg wet	330						
Benzo (g,h,i) perylene	BRL		µg/kg wet	330						
Benzo (k) fluoranthene	BRL		µg/kg wet	330						
Benzoic acid	BRL		µg/kg wet	330						
Benzyl alcohol	BRL		µg/kg wet	330						
Bis(2-chloroethoxy)methane	BRL		µg/kg wet	330						
Bis(2-chloroethyl)ether	BRL		µg/kg wet	330						
Bis(2-chloroisopropyl)ether	BRL		µg/kg wet	330						
Bis(2-ethylhexyl)phthalate	BRL		µg/kg wet	330						
4-Bromophenyl phenyl ether	BRL		µg/kg wet	330						
Butyl benzyl phthalate	BRL		µg/kg wet	330						
Carbazole	BRL		µg/kg wet	330						
4-Chloro-3-methylphenol	BRL		µg/kg wet	330						
4-Chloroaniline	BRL		µg/kg wet	330						
2-Chloronaphthalene	BRL		µg/kg wet	330						
2-Chlorophenol	BRL		µg/kg wet	330						
4-Chlorophenyl phenyl ether	BRL		µg/kg wet	330						
Chrysene	BRL		µg/kg wet	330						
Dibenzo (a,h) anthracene	BRL		µg/kg wet	330						
Dibenzofuran	BRL		µg/kg wet	330						
1,2-Dichlorobenzene	BRL		µg/kg wet	330						
1,3-Dichlorobenzene	BRL		µg/kg wet	330						
1,4-Dichlorobenzene	BRL		µg/kg wet	330						
3,3'-Dichlorobenzidine	BRL		µg/kg wet	330						
2,4-Dichlorophenol	BRL		µg/kg wet	330						
Diethyl phthalate	BRL		µg/kg wet	330						
Dimethyl phthalate	BRL		µg/kg wet	330						
2,4-Dimethylphenol	BRL		µg/kg wet	330						
Di-n-butyl phthalate	BRL		µg/kg wet	330						
4,6-Dinitro-2-methylphenol	BRL		µg/kg wet	330						
2,4-Dinitrophenol	BRL		µg/kg wet	330						
2,4-Dinitrotoluene	BRL		µg/kg wet	330						
2,6-Dinitrotoluene	BRL		µg/kg wet	330						
Di-n-octyl phthalate	BRL		µg/kg wet	330						
Fluoranthene	BRL		µg/kg wet	330						
Fluorene	BRL		µg/kg wet	330						
Hexachlorobenzene	BRL		µg/kg wet	330						
Hexachlorobutadiene	BRL		µg/kg wet	330						
Hexachlorocyclopentadiene	BRL		µg/kg wet	330						
Hexachloroethane	BRL		µg/kg wet	330						

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010669 - SW846 3550B										
Blank (9010669-BLK1)										
Prepared & Analyzed: 13-Jan-09										
Indeno (1,2,3-cd) pyrene	BRL		µg/kg wet	330						
1-Methylnaphthalene	BRL		µg/kg wet	330						
Isophorone	BRL		µg/kg wet	330						
2-Methylnaphthalene	BRL		µg/kg wet	330						
2-Methylphenol	BRL		µg/kg wet	330						
3 & 4-Methylphenol	BRL		µg/kg wet	330						
Naphthalene	BRL		µg/kg wet	330						
2-Nitroaniline	BRL		µg/kg wet	330						
3-Nitroaniline	BRL		µg/kg wet	330						
4-Nitroaniline	BRL		µg/kg wet	1320						
Nitrobenzene	BRL		µg/kg wet	330						
2-Nitrophenol	BRL		µg/kg wet	330						
4-Nitrophenol	BRL		µg/kg wet	1320						
N-Nitrosodimethylamine	BRL		µg/kg wet	330						
N-Nitrosodi-n-propylamine	BRL		µg/kg wet	330						
N-Nitrosodiphenylamine	BRL		µg/kg wet	330						
Pentachlorophenol	BRL		µg/kg wet	330						
Phenanthrene	BRL		µg/kg wet	330						
Phenol	BRL		µg/kg wet	330						
Pyrene	BRL		µg/kg wet	330						
Pyridine	BRL		µg/kg wet	330						
1,2,4-Trichlorobenzene	BRL		µg/kg wet	330						
2,4,5-Trichlorophenol	BRL		µg/kg wet	330						
2,4,6-Trichlorophenol	BRL		µg/kg wet	330						
Pentachloronitrobenzene	BRL		µg/kg wet	330						
1,2,4,5-Tetrachlorobenzene	BRL		µg/kg wet	330						
Surrogate: 2-Fluorobiphenyl	*2210*		µg/kg wet		*3330*		*66*	*30-130*		
Surrogate: 2-Fluorophenol	*2490*		µg/kg wet		*3330*		*75*	*15-110*		
Surrogate: Nitrobenzene-d5	*2210*		µg/kg wet		*3330*		*66*	*30-130*		
Surrogate: Phenol-d5	*2220*		µg/kg wet		*3330*		*67*	*15-110*		
Surrogate: Terphenyl-dl4	*2540*		µg/kg wet		*3330*		*76*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*2360*		µg/kg wet		*3330*		*71*	*15-110*		
LCS (9010669-BS1)										
Prepared & Analyzed: 13-Jan-09										
Acenaphthene	2580		µg/kg wet	330	3330		77	40-130		
Acenaphthylene	2480		µg/kg wet	330	3330		74	40-130		
Aniline	739	QC2	µg/kg wet	330	3330		22	40-130		
Anthracene	2390		µg/kg wet	330	3330		72	40-130		
Atrazine	1650		µg/kg wet	330	3330		50	40-130		
Azobenzene/Diphenyldiazine	2540		µg/kg wet	330	3330		76	40-130		
Benzidine	BRL		µg/kg wet	330	3330			0-130		
Benzo (a) anthracene	2930		µg/kg wet	330	3330		88	40-130		
Benzo (a) pyrene	2480		µg/kg wet	330	3330		74	40-130		
Benzo (b) fluoranthene	2560		µg/kg wet	330	3330		77	40-130		
Benzo (g,h,i) perylene	2420		µg/kg wet	330	3330		73	40-130		
Benzo (k) fluoranthene	2470		µg/kg wet	330	3330		74	40-130		
Benzoic acid	2160		µg/kg wet	330	3330		65	19.5-130		
Benzyl alcohol	2390		µg/kg wet	330	3330		72	40-130		
Bis(2-chloroethoxy)methane	2730		µg/kg wet	330	3330		82	40-130		
Bis(2-chloroethyl)ether	2960		µg/kg wet	330	3330		89	40-130		

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010669 - SW846 3550B										
LCS (9010669-BS1)										
Prepared & Analyzed: 13-Jan-09										
Bis(2-chloroisopropyl)ether	2880		µg/kg wet	330	3330		86	40-130		
Bis(2-ethylhexyl)phthalate	3510		µg/kg wet	330	3330		105	40-130		
4-Bromophenyl phenyl ether	2590		µg/kg wet	330	3330		78	40-130		
Butyl benzyl phthalate	3480		µg/kg wet	330	3330		104	40-130		
Carbazole	2390		µg/kg wet	330	3330		72	40-130		
4-Chloro-3-methylphenol	2630		µg/kg wet	330	3330		79	40-130		
4-Chloroaniline	1100	QC2	µg/kg wet	330	3330		33	40-130		
2-Chloronaphthalene	2380		µg/kg wet	330	3330		71	40-130		
2-Chlorophenol	2430		µg/kg wet	330	3330		73	40-130		
4-Chlorophenyl phenyl ether	2840		µg/kg wet	330	3330		85	40-130		
Chrysene	3050		µg/kg wet	330	3330		91	40-130		
Dibenzo (a,h) anthracene	2520		µg/kg wet	330	3330		76	40-130		
Dibenzofuran	2390		µg/kg wet	330	3330		72	40-130		
1,2-Dichlorobenzene	2260		µg/kg wet	330	3330		68	40-130		
1,3-Dichlorobenzene	2220		µg/kg wet	330	3330		67	40-130		
1,4-Dichlorobenzene	2470		µg/kg wet	330	3330		74	40-130		
3,3'-Dichlorobenzidine	2080		µg/kg wet	330	3330		62	40-130		
2,4-Dichlorophenol	2390		µg/kg wet	330	3330		72	40-130		
Diethyl phthalate	2890		µg/kg wet	330	3330		87	40-130		
Dimethyl phthalate	2900		µg/kg wet	330	3330		87	40-130		
2,4-Dimethylphenol	2400		µg/kg wet	330	3330		72	40-130		
Di-n-butyl phthalate	2790		µg/kg wet	330	3330		84	40-130		
4,6-Dinitro-2-methylphenol	2800		µg/kg wet	330	3330		84	40-130		
2,4-Dinitrophenol	2540		µg/kg wet	330	3330		76	40-130		
2,4-Dinitrotoluene	2710		µg/kg wet	330	3330		81	40-130		
2,6-Dinitrotoluene	2580		µg/kg wet	330	3330		77	40-130		
Di-n-octyl phthalate	2890		µg/kg wet	330	3330		87	40-130		
Fluoranthene	2400		µg/kg wet	330	3330		72	40-130		
Fluorene	2450		µg/kg wet	330	3330		73	40-130		
Hexachlorobenzene	2170		µg/kg wet	330	3330		65	40-130		
Hexachlorobutadiene	2220		µg/kg wet	330	3330		67	40-130		
Hexachlorocyclopentadiene	1930		µg/kg wet	330	3330		58	40-130		
Hexachloroethane	2330		µg/kg wet	330	3330		70	40-130		
Indeno (1,2,3-cd) pyrene	2610		µg/kg wet	330	3330		78	40-130		
Isophorone	2310		µg/kg wet	330	3330		69	40-130		
1-Methylnaphthalene	2540		µg/kg wet	330	3330		76	40-140		
2-Methylnaphthalene	2770		µg/kg wet	330	3330		83	40-130		
2-Methylphenol	2330		µg/kg wet	330	3330		70	40-130		
3 & 4-Methylphenol	2690		µg/kg wet	330	3330		81	40-130		
Naphthalene	2390		µg/kg wet	330	3330		72	40-130		
2-Nitroaniline	2560		µg/kg wet	330	3330		77	40-130		
3-Nitroaniline	1690		µg/kg wet	330	3330		51	40-130		
4-Nitroaniline	2360		µg/kg wet	1320	3330		71	40-130		
Nitrobenzene	2230		µg/kg wet	330	3330		67	40-130		
2-Nitrophenol	2450		µg/kg wet	330	3330		73	40-130		
4-Nitrophenol	2850		µg/kg wet	1320	3330		86	40-130		
N-Nitrosodimethylamine	2880		µg/kg wet	330	3330		87	40-130		
N-Nitrosodi-n-propylamine	2630		µg/kg wet	330	3330		79	40-130		
N-Nitrosodiphenylamine	2790		µg/kg wet	330	3330		84	40-130		

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010669 - SW846 3550B										
LCS (9010669-BS1)										
Prepared & Analyzed: 13-Jan-09										
Pentachlorophenol	2390		µg/kg wet	330	3330		72	40-130		
Phenanthrene	2400		µg/kg wet	330	3330		72	40-130		
Phenol	2440		µg/kg wet	330	3330		73	40-130		
Pyrene	2990		µg/kg wet	330	3330		90	40-130		
Pyridine	765		µg/kg wet	330	3330		23	0-130		
1,2,4-Trichlorobenzene	2270		µg/kg wet	330	3330		68	40-130		
2,4,5-Trichlorophenol	2470		µg/kg wet	330	3330		74	40-130		
2,4,6-Trichlorophenol	2420		µg/kg wet	330	3330		73	40-130		
Pentachloronitrobenzene	2330		µg/kg wet	330	3330		70	40-140		
1,2,4,5-Tetrachlorobenzene	2240		µg/kg wet	330	3330		67	40-140		
Surrogate: 2-Fluorobiphenyl	*2430*		µg/kg wet		*3330*		*73*	*30-130*		
Surrogate: 2-Fluorophenol	*2290*		µg/kg wet		*3330*		*69*	*15-110*		
Surrogate: Nitrobenzene-d5	*2400*		µg/kg wet		*3330*		*72*	*30-130*		
Surrogate: Phenol-d5	*2140*		µg/kg wet		*3330*		*64*	*15-110*		
Surrogate: Terphenyl-dl4	*2640*		µg/kg wet		*3330*		*79*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*2390*		µg/kg wet		*3330*		*72*	*15-110*		
Duplicate (9010669-DUP1) **Source: SA89650-03**										
Prepared: 13-Jan-09 Analyzed: 14-Jan-09										
Acenaphthene	BRL		µg/kg dry	423		BRL				50
Acenaphthylene	BRL		µg/kg dry	423		BRL				50
Aniline	BRL		µg/kg dry	423		BRL				50
Anthracene	BRL		µg/kg dry	423		BRL				50
Atrazine	BRL		µg/kg dry	423		BRL				50
Azobenzene/Diphenyldiazine	BRL		µg/kg dry	423		BRL				50
Benzidine	BRL		µg/kg dry	423		BRL				50
Benzo (a) anthracene	BRL		µg/kg dry	423		BRL				50
Benzo (a) pyrene	BRL		µg/kg dry	423		BRL				50
Benzo (b) fluoranthene	BRL		µg/kg dry	423		BRL				50
Benzo (g,h,i) perylene	BRL		µg/kg dry	423		BRL				50
Benzo (k) fluoranthene	BRL		µg/kg dry	423		BRL				50
Benzoic acid	BRL		µg/kg dry	423		BRL				50
Benzyl alcohol	BRL		µg/kg dry	423		BRL				50
Bis(2-chloroethoxy)methane	BRL		µg/kg dry	423		BRL				50
Bis(2-chloroethyl)ether	BRL		µg/kg dry	423		BRL				50
Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	423		BRL				50
Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	423		BRL				50
4-Bromophenyl phenyl ether	BRL		µg/kg dry	423		BRL				50
Butyl benzyl phthalate	BRL		µg/kg dry	423		BRL				50
Carbazole	BRL		µg/kg dry	423		BRL				50
4-Chloro-3-methylphenol	BRL		µg/kg dry	423		BRL				50
4-Chloroaniline	BRL		µg/kg dry	423		BRL				50
2-Chloronaphthalene	BRL		µg/kg dry	423		BRL				50
2-Chlorophenol	BRL		µg/kg dry	423		BRL				50
4-Chlorophenyl phenyl ether	BRL		µg/kg dry	423		BRL				50
Chrysene	BRL		µg/kg dry	423		BRL				50
Dibenzo (a,h) anthracene	BRL		µg/kg dry	423		BRL				50
Dibenzofuran	BRL		µg/kg dry	423		BRL				50
1,2-Dichlorobenzene	BRL		µg/kg dry	423		BRL				50
1,3-Dichlorobenzene	BRL		µg/kg dry	423		BRL				50
1,4-Dichlorobenzene	BRL		µg/kg dry	423		BRL				50

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010669 - SW846 3550B										
Duplicate (9010669-DUP1) **Source: SA89650-03**										
Prepared: 13-Jan-09 Analyzed: 14-Jan-09										
3,3'-Dichlorobenzidine	BRL		µg/kg dry	423		BRL				50
2,4-Dichlorophenol	BRL		µg/kg dry	423		BRL				50
Diethyl phthalate	BRL		µg/kg dry	423		BRL				50
Dimethyl phthalate	BRL		µg/kg dry	423		BRL				50
2,4-Dimethylphenol	BRL		µg/kg dry	423		BRL				50
Di-n-butyl phthalate	BRL		µg/kg dry	423		BRL				50
4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	423		BRL				50
2,4-Dinitrophenol	BRL		µg/kg dry	423		BRL				50
2,4-Dinitrotoluene	BRL		µg/kg dry	423		BRL				50
2,6-Dinitrotoluene	BRL		µg/kg dry	423		BRL				50
Di-n-octyl phthalate	BRL		µg/kg dry	423		BRL				50
Fluoranthene	BRL		µg/kg dry	423		BRL				50
Fluorene	BRL		µg/kg dry	423		BRL				50
Hexachlorobenzene	BRL		µg/kg dry	423		BRL				50
Hexachlorobutadiene	BRL		µg/kg dry	423		BRL				50
Hexachlorocyclopentadiene	BRL		µg/kg dry	423		BRL				50
Hexachloroethane	BRL		µg/kg dry	423		BRL				50
Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	423		BRL				50
Isophorone	BRL		µg/kg dry	423		BRL				50
1-Methylnaphthalene	BRL		µg/kg dry	423		BRL				50
2-Methylnaphthalene	BRL		µg/kg dry	423		BRL				50
2-Methylphenol	BRL		µg/kg dry	423		BRL				50
3 & 4-Methylphenol	BRL		µg/kg dry	423		BRL				50
Naphthalene	BRL		µg/kg dry	423		BRL				50
2-Nitroaniline	BRL		µg/kg dry	423		BRL				50
3-Nitroaniline	BRL		µg/kg dry	423		BRL				50
4-Nitroaniline	BRL		µg/kg dry	1690		BRL				50
Nitrobenzene	BRL		µg/kg dry	423		BRL				50
2-Nitrophenol	BRL		µg/kg dry	423		BRL				50
4-Nitrophenol	BRL		µg/kg dry	1690		BRL				50
N-Nitrosodimethylamine	BRL		µg/kg dry	423		BRL				50
N-Nitrosodi-n-propylamine	BRL		µg/kg dry	423		BRL				50
N-Nitrosodiphenylamine	BRL		µg/kg dry	423		BRL				50
Pentachlorophenol	BRL		µg/kg dry	423		BRL				50
Phenanthrene	BRL		µg/kg dry	423		BRL				50
Phenol	BRL		µg/kg dry	423		BRL				50
Pyrene	BRL		µg/kg dry	423		BRL				50
Pyridine	BRL		µg/kg dry	423		BRL				50
1,2,4-Trichlorobenzene	BRL		µg/kg dry	423		BRL				50
2,4,5-Trichlorophenol	BRL		µg/kg dry	423		BRL				50
2,4,6-Trichlorophenol	BRL		µg/kg dry	423		BRL				50
Pentachloronitrobenzene	BRL		µg/kg dry	423		BRL				50
1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	423		BRL				50
Surrogate: 2-Fluorobiphenyl	*1070*		µg/kg dry		*2140*		*50*	*30-130*		
Surrogate: 2-Fluorophenol	*1160*		µg/kg dry		*2140*		*54*	*15-110*		
Surrogate: Nitrobenzene-d5	*1080*		µg/kg dry		*2140*		*51*	*30-130*		
Surrogate: Phenol-d5	*1070*		µg/kg dry		*2140*		*50*	*15-110*		
Surrogate: Terphenyl-dl4	*1260*		µg/kg dry		*2140*		*59*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*1160*		µg/kg dry		*2140*		*54*	*15-110*		

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010669 - SW846 3550B										
Matrix Spike (9010669-MS1) **Source: SA89650-03**										
Prepared: 13-Jan-09 Analyzed: 14-Jan-09										
Acenaphthene	1230		µg/kg dry	215	2170	BRL	56	40-140		
Benzo (b) fluoranthene	1210		µg/kg dry	215	2170	BRL	56	40-140		
Benzo (k) fluoranthene	1220		µg/kg dry	215	2170	BRL	56	40-140		
4-Chloro-3-methylphenol	1150		µg/kg dry	215	2170	BRL	53	30-130		
2-Chlorophenol	1120		µg/kg dry	215	2170	BRL	52	30-130		
Chrysene	1520		µg/kg dry	215	2170	BRL	70	40-140		
1,4-Dichlorobenzene	1150		µg/kg dry	215	2170	BRL	53	40-140		
Indeno (1,2,3-cd) pyrene	1120		µg/kg dry	215	2170	BRL	51	40-140		
Naphthalene	1060		µg/kg dry	215	2170	BRL	49	40-140		
4-Nitrophenol	1280		µg/kg dry	861	2170	BRL	59	30-130		
N-Nitrosodi-n-propylamine	1380		µg/kg dry	215	2170	BRL	63	40-140		
Pentachlorophenol	1100		µg/kg dry	215	2170	BRL	51	30-130		
Phenol	1140		µg/kg dry	215	2170	BRL	53	30-130		
Pyrene	1570		µg/kg dry	215	2170	BRL	72	40-140		
1,2,4-Trichlorobenzene	1010		µg/kg dry	215	2170	BRL	46	40-140		
Surrogate: 2-Fluorobiphenyl	*1030*		µg/kg dry		*2170*		*47*	*30-130*		
Surrogate: 2-Fluorophenol	*998*		µg/kg dry		*2170*		*46*	*15-110*		
Surrogate: Nitrobenzene-d5	*1020*		µg/kg dry		*2170*		*47*	*30-130*		
Surrogate: Phenol-d5	*911*		µg/kg dry		*2170*		*42*	*15-110*		
Surrogate: Terphenyl-d14	*1200*		µg/kg dry		*2170*		*55*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*1060*		µg/kg dry		*2170*		*49*	*15-110*		
Matrix Spike Dup (9010669-MSD1) **Source: SA89650-03**										
Prepared: 13-Jan-09 Analyzed: 14-Jan-09										
Acenaphthene	1460		µg/kg dry	213	2150	BRL	68	40-140	19	30
Benzo (b) fluoranthene	1400		µg/kg dry	213	2150	BRL	65	40-140	16	30
Benzo (k) fluoranthene	1430		µg/kg dry	213	2150	BRL	66	40-140	17	30
4-Chloro-3-methylphenol	1390		µg/kg dry	213	2150	BRL	64	30-130	19	30
2-Chlorophenol	1360		µg/kg dry	213	2150	BRL	63	30-130	21	30
Chrysene	1730		µg/kg dry	213	2150	BRL	80	40-140	14	30
1,4-Dichlorobenzene	1390		µg/kg dry	213	2150	BRL	65	40-140	20	30
Indeno (1,2,3-cd) pyrene	1390		µg/kg dry	213	2150	BRL	65	40-140	23	30
Naphthalene	1320		µg/kg dry	213	2150	BRL	62	40-140	23	30
4-Nitrophenol	1480		µg/kg dry	852	2150	BRL	69	30-130	15	30
N-Nitrosodi-n-propylamine	1590		µg/kg dry	213	2150	BRL	74	40-140	15	30
Pentachlorophenol	1320		µg/kg dry	213	2150	BRL	61	30-130	19	30
Phenol	1370		µg/kg dry	213	2150	BRL	64	30-130	19	30
Pyrene	1660		µg/kg dry	213	2150	BRL	77	40-140	7	30
1,2,4-Trichlorobenzene	1250		µg/kg dry	213	2150	BRL	58	40-140	23	30
Surrogate: 2-Fluorobiphenyl	*1260*		µg/kg dry		*2150*		*58*	*30-130*		
Surrogate: 2-Fluorophenol	*1170*		µg/kg dry		*2150*		*54*	*15-110*		
Surrogate: Nitrobenzene-d5	*1250*		µg/kg dry		*2150*		*58*	*30-130*		
Surrogate: Phenol-d5	*1080*		µg/kg dry		*2150*		*50*	*15-110*		
Surrogate: Terphenyl-d14	*1360*		µg/kg dry		*2150*		*63*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*1240*		µg/kg dry		*2150*		*58*	*15-110*		

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010678 - SW846 3550B										
Blank (9010678-BLK1)										
Prepared & Analyzed: 13-Jan-09										
PCB 1016	BRL		µg/kg wet	20.0						
PCB 1221	BRL		µg/kg wet	20.0						
PCB 1232	BRL		µg/kg wet	20.0						
PCB 1242	BRL		µg/kg wet	20.0						
PCB 1248	BRL		µg/kg wet	20.0						
PCB 1254	BRL		µg/kg wet	20.0						
PCB 1260	BRL		µg/kg wet	20.0						
PCB 1262	BRL		µg/kg wet	20.0						
PCB 1268	BRL		µg/kg wet	20.0						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*20.2*		µg/kg wet		*20.0*		*101*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*19.2*		µg/kg wet		*20.0*		*96*	*30-150*		
LCS (9010678-BS1)										
Prepared & Analyzed: 13-Jan-09										
PCB 1016	225		µg/kg wet	20.0	250		90	40-140		
PCB 1260	224		µg/kg wet	20.0	250		90	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*18.7*		µg/kg wet		*20.0*		*94*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*17.9*		µg/kg wet		*20.0*		*90*	*30-150*		
LCS Dup (9010678-BSD1)										
Prepared & Analyzed: 13-Jan-09										
PCB 1016	232		µg/kg wet	20.0	250		93	40-140	3	30
PCB 1260	233		µg/kg wet	20.0	250		93	40-140	4	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*18.5*		µg/kg wet		*20.0*		*92*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*17.5*		µg/kg wet		*20.0*		*88*	*30-150*		
Duplicate (9010678-DUP1) **Source: SA89692-03**										
Prepared & Analyzed: 13-Jan-09										
PCB 1016	BRL		µg/kg dry	25.2		BRL				40
PCB 1221	BRL		µg/kg dry	25.2		BRL				40
PCB 1232	BRL		µg/kg dry	25.2		BRL				40
PCB 1242	BRL		µg/kg dry	25.2		BRL				40
PCB 1248	BRL		µg/kg dry	25.2		BRL				40
PCB 1254	BRL		µg/kg dry	25.2		BRL				40
PCB 1260	BRL		µg/kg dry	25.2		BRL				40
PCB 1262	BRL		µg/kg dry	25.2		BRL				40
PCB 1268	BRL		µg/kg dry	25.2		BRL				40
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*25.0*		µg/kg dry		*25.2*		*99*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*25.1*		µg/kg dry		*25.2*		*99*	*30-150*		
Matrix Spike (9010678-MS1) **Source: SA89692-03**										
Prepared & Analyzed: 13-Jan-09										
PCB 1016	274		µg/kg dry	24.2	303	BRL	91	40-140		
PCB 1260	308		µg/kg dry	24.2	303	BRL	102	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*23.8*		µg/kg dry		*24.2*		*98*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*23.2*		µg/kg dry		*24.2*		*96*	*30-150*		
Matrix Spike Dup (9010678-MSD1) **Source: SA89692-03**										
Prepared & Analyzed: 13-Jan-09										
PCB 1016	298		µg/kg dry	25.4	317	BRL	94	40-140	4	50
PCB 1260	327		µg/kg dry	25.4	317	BRL	103	40-140	1	50
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*26.0*		µg/kg dry		*25.4*		*102*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*26.3*		µg/kg dry		*25.4*		*104*	*30-150*		
Batch 9010811 - SW846 3550B										

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010811 - SW846 3550B										
Blank (9010811-BLK1)										
Prepared: 14-Jan-09 Analyzed: 15-Jan-09										
2,4,5-T	BRL		µg/kg wet	6.70						
2,4,5-T [2C]	BRL		µg/kg wet	6.70						
2,4,5-TP (Silvex)	BRL		µg/kg wet	6.70						
2,4,5-TP (Silvex) [2C]	BRL		µg/kg wet	6.70						
2,4-D	BRL		µg/kg wet	6.70						
2,4-D [2C]	BRL		µg/kg wet	6.70						
2,4-DB	BRL		µg/kg wet	6.70						
2,4-DB [2C]	BRL		µg/kg wet	6.70						
Dalapon	BRL		µg/kg wet	6.70						
Dalapon [2C]	BRL		µg/kg wet	6.70						
Dicamba	BRL		µg/kg wet	6.70						
Dicamba [2C]	BRL		µg/kg wet	6.70						
Dichlorprop	BRL		µg/kg wet	6.70						
Dichlorprop [2C]	BRL		µg/kg wet	6.70						
Dinoseb	BRL		µg/kg wet	6.70						
Dinoseb [2C]	BRL		µg/kg wet	6.70						
MCPA	BRL		µg/kg wet	670						
MCPA [2C]	BRL		µg/kg wet	670						
MCPB	BRL		µg/kg wet	670						
MCPB [2C]	BRL		µg/kg wet	670						
MCPP	BRL		µg/kg wet	670						
MCPP [2C]	BRL		µg/kg wet	670						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*17.6*		µg/kg wet		*13.3*		*132*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [:	*15.9*		µg/kg wet		*13.3*		*119*	*30-150*		
LCS (9010811-BS1)										
Prepared: 14-Jan-09 Analyzed: 15-Jan-09										
2,4,5-T	26.4		µg/kg wet	6.70	33.3		79	40-140		
2,4,5-T [2C]	29.5		µg/kg wet	6.70	33.3		89	40-140		
2,4,5-TP (Silvex)	28.4		µg/kg wet	6.70	33.3		85	40-140		
2,4,5-TP (Silvex) [2C]	30.9		µg/kg wet	6.70	33.3		93	40-140		
2,4-D	23.7		µg/kg wet	6.70	33.3		71	40-140		
2,4-D [2C]	27.0		µg/kg wet	6.70	33.3		81	40-140		
2,4-DB	28.5		µg/kg wet	6.70	33.3		86	40-140		
2,4-DB [2C]	29.5		µg/kg wet	6.70	33.3		88	40-140		
Dalapon	24.3		µg/kg wet	6.70	33.3		73	40-140		
Dalapon [2C]	19.7		µg/kg wet	6.70	33.3		59	40-140		
Dicamba	29.0		µg/kg wet	6.70	33.3		87	40-140		
Dicamba [2C]	29.0		µg/kg wet	6.70	33.3		87	40-140		
Dichlorprop	31.7		µg/kg wet	6.70	33.3		95	40-140		
Dichlorprop [2C]	32.5		µg/kg wet	6.70	33.3		97	40-140		
Dinoseb	27.7		µg/kg wet	6.70	33.3		83	40-140		
Dinoseb [2C]	28.8		µg/kg wet	6.70	33.3		86	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*15.9*		µg/kg wet		*13.3*		*119*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [:	*15.1*		µg/kg wet		*13.3*		*113*	*30-150*		
LCS (9010811-BS2)										
Prepared: 14-Jan-09 Analyzed: 15-Jan-09										
MCPA	12500		µg/kg wet	670	10000		125	40-140		
MCPA [2C]	11000		µg/kg wet	670	10000		110	40-140		
MCPB	13400		µg/kg wet	670	10000		134	40-140		

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010811 - SW846 3550B										
LCS (9010811-BS2)										
Prepared: 14-Jan-09 Analyzed: 15-Jan-09										
MCPB [2C]	12100		µg/kg wet	670	10000		121	40-140		
MCPP	11500		µg/kg wet	670	10000		115	40-140		
MCPP [2C]	12500		µg/kg wet	670	10000		125	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*18.2*		µg/kg wet		*13.3*		*136*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [:	*17.4*		µg/kg wet		*13.3*		*130*	*30-150*		
LCS Dup (9010811-BSD1)										
Prepared: 14-Jan-09 Analyzed: 15-Jan-09										
2,4,5-T	30.3		µg/kg wet	6.70	33.3		91	40-140	14	25
2,4,5-T [2C]	29.0		µg/kg wet	6.70	33.3		87	40-140	2	25
2,4,5-TP (Silvex)	29.8		µg/kg wet	6.70	33.3		89	40-140	5	25
2,4,5-TP (Silvex) [2C]	30.7		µg/kg wet	6.70	33.3		92	40-140	0.4	25
2,4-D	23.7		µg/kg wet	6.70	33.3		71	40-140	0.3	25
2,4-D [2C]	28.3		µg/kg wet	6.70	33.3		85	40-140	5	25
2,4-DB	33.0		µg/kg wet	6.70	33.3		99	40-140	15	25
2,4-DB [2C]	34.3		µg/kg wet	6.70	33.3		103	40-140	15	25
Dalapon	23.9		µg/kg wet	6.70	33.3		72	40-140	1	25
Dalapon [2C]	21.3		µg/kg wet	6.70	33.3		64	40-140	7	25
Dicamba	30.4		µg/kg wet	6.70	33.3		91	40-140	5	25
Dicamba [2C]	28.8		µg/kg wet	6.70	33.3		86	40-140	0.7	25
Dichlorprop	33.5		µg/kg wet	6.70	33.3		101	40-140	6	25
Dichlorprop [2C]	32.6		µg/kg wet	6.70	33.3		98	40-140	0.4	25
Dinoseb	29.9		µg/kg wet	6.70	33.3		90	40-140	8	25
Dinoseb [2C]	30.3		µg/kg wet	6.70	33.3		91	40-140	5	25
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*16.2*		µg/kg wet		*13.3*		*122*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [:	*15.5*		µg/kg wet		*13.3*		*116*	*30-150*		
LCS Dup (9010811-BSD2)										
Prepared: 14-Jan-09 Analyzed: 15-Jan-09										
MCPA	12300		µg/kg wet	670	10000		123	40-140	1	25
MCPA [2C]	10700		µg/kg wet	670	10000		107	40-140	3	25
MCPB	12700		µg/kg wet	670	10000		127	40-140	6	25
MCPB [2C]	12400		µg/kg wet	670	10000		124	40-140	2	25
MCPP	11700		µg/kg wet	670	10000		117	40-140	1	25
MCPP [2C]	12500		µg/kg wet	670	10000		125	40-140	0.5	25
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*18.5*		µg/kg wet		*13.3*		*139*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [:	*16.9*		µg/kg wet		*13.3*		*127*	*30-150*		
Duplicate (9010811-DUP1) **Source: SA89692-04**										
Prepared: 14-Jan-09 Analyzed: 15-Jan-09										
2,4,5-T	BRL		µg/kg dry	6.70		BRL				30
2,4,5-T [2C]	BRL		µg/kg dry	6.70		BRL				30
2,4,5-TP (Silvex)	BRL		µg/kg dry	6.70		BRL				30
2,4,5-TP (Silvex) [2C]	BRL		µg/kg dry	6.70		BRL				30
2,4-D	BRL		µg/kg dry	6.70		BRL				30
2,4-D [2C]	BRL		µg/kg dry	6.70		BRL				30
2,4-DB	BRL		µg/kg dry	6.70		BRL				30
2,4-DB [2C]	BRL		µg/kg dry	6.70		BRL				30
Dalapon	BRL		µg/kg dry	6.70		BRL				30
Dalapon [2C]	BRL		µg/kg dry	6.70		BRL				30
Dicamba	BRL		µg/kg dry	6.70		BRL				30
Dicamba [2C]	BRL		µg/kg dry	6.70		BRL				30

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010811 - SW846 3550B										
Duplicate (9010811-DUP1) **Source: SA89692-04**										
Prepared: 14-Jan-09 Analyzed: 15-Jan-09										
Dichlorprop	BRL		µg/kg dry	6.70		BRL				30
Dichlorprop [2C]	BRL		µg/kg dry	6.70		BRL				30
Dinoseb	BRL		µg/kg dry	6.70		BRL				30
Dinoseb [2C]	BRL		µg/kg dry	6.70		BRL				30
MCPA	BRL		µg/kg dry	670		BRL				30
MCPA [2C]	BRL		µg/kg dry	670		BRL				30
MCPB	BRL		µg/kg dry	670		BRL				30
MCPB [2C]	BRL		µg/kg dry	670		BRL				30
MCPP	BRL		µg/kg dry	670		BRL				30
MCPP [2C]	BRL		µg/kg dry	670		BRL				30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*13.6*		µg/kg dry		*17.1*		*80*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [:	*12.9*		µg/kg dry		*17.1*		*75*	*30-150*		

Extractable Petroleum Hydrocarbons - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010672 - SW846 3550B										
Blank (9010672-BLK1)										
Prepared: 13-Jan-09 Analyzed: 14-Jan-09										
Gasoline	BRL		mg/kg wet	13.3						
Fuel Oil #2	BRL		mg/kg wet	13.3						
Fuel Oil #4	BRL		mg/kg wet	13.3						
Fuel Oil #6	BRL		mg/kg wet	13.3						
Motor Oil	BRL		mg/kg wet	13.3						
Aviation Fuel	BRL		mg/kg wet	13.3						
Unidentified	BRL		mg/kg wet	13.3						
Other Oil	BRL		mg/kg wet	13.3						
Total Petroleum Hydrocarbons	BRL		mg/kg wet	13.3						
C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg wet	13.3						
Surrogate: 1-Chlorooctadecane	*3.22*		mg/kg wet		*3.33*		*97*	*50-150*		
LCS (9010672-BS1)										
Prepared: 13-Jan-09 Analyzed: 14-Jan-09										
C9-C36 Aliphatic Hydrocarbons	95.3		mg/kg wet	13.3	93.3		102	60-120		
Surrogate: 1-Chlorooctadecane	*3.33*		mg/kg wet		*3.33*		*100*	*50-150*		
Duplicate (9010672-DUP1) **Source: SA89650-03**										
Prepared: 13-Jan-09 Analyzed: 14-Jan-09										
Gasoline	BRL		mg/kg dry	17.0		BRL				50
Fuel Oil #2	BRL		mg/kg dry	17.0		BRL				50
Fuel Oil #4	BRL		mg/kg dry	17.0		BRL				50
Fuel Oil #6	BRL		mg/kg dry	17.0		BRL				50
Motor Oil	BRL		mg/kg dry	17.0		BRL				50
Aviation Fuel	BRL		mg/kg dry	17.0		BRL				50
Unidentified	BRL		mg/kg dry	17.0		BRL				50
Other Oil	BRL		mg/kg dry	17.0		BRL				50
Total Petroleum Hydrocarbons	BRL		mg/kg dry	17.0		BRL				50
C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	17.0		BRL				50
Surrogate: 1-Chlorooctadecane	*2.05*		mg/kg dry		*2.14*		*96*	*50-150*		
Matrix Spike (9010672-MS1) **Source: SA89650-03**										
Prepared: 13-Jan-09 Analyzed: 14-Jan-09										
C9-C36 Aliphatic Hydrocarbons	105		mg/kg dry	16.6	117	BRL	90	50-150		
Surrogate: 1-Chlorooctadecane	*3.68*		mg/kg dry		*4.17*		*88*	*50-150*		
Matrix Spike Dup (9010672-MSD1) **Source: SA89650-03**										
Prepared: 13-Jan-09 Analyzed: 14-Jan-09										
C9-C36 Aliphatic Hydrocarbons	116		mg/kg dry	16.9	119	BRL	97	50-150	8	30
Surrogate: 1-Chlorooctadecane	*4.06*		mg/kg dry		*4.24*		*96*	*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 9010598 - SW846 3050B										
Blank (9010598-BLK1)										
Prepared: 14-Jan-09 Analyzed: 15-Jan-09										
Selenium	BRL		mg/kg wet	1.48						
Lead	BRL		mg/kg wet	1.48						
Arsenic	BRL		mg/kg wet	1.48						
Cadmium	BRL		mg/kg wet	0.494						
Silver	BRL		mg/kg wet	1.48						
Chromium	BRL		mg/kg wet	0.989						
Barium	BRL		mg/kg wet	0.989						
Duplicate (9010598-DUP1)	**Source: SA89630-20**									
Prepared: 14-Jan-09 Analyzed: 15-Jan-09										
Lead	3.98		mg/kg dry	1.54		4.03			1	20
Selenium	1.13	J	mg/kg dry	1.54		1.28			12	20
Arsenic	6.51		mg/kg dry	1.54		7.23			11	20
Cadmium	0.314	J	mg/kg dry	0.514		0.344			9	20
Chromium	10.2		mg/kg dry	1.03		10.4			2	20
Silver	BRL		mg/kg dry	1.54		BRL				20
Barium	18.0		mg/kg dry	1.03		19.3			7	20
Matrix Spike (9010598-MS1)	**Source: SA89641-01**									
Prepared: 14-Jan-09 Analyzed: 15-Jan-09										
Selenium	160		mg/kg dry	1.91	159	4.27	98	75-125		
Lead	166		mg/kg dry	1.91	159	13.5	96	75-125		
Chromium	187		mg/kg dry	1.27	159	36.4	95	75-125		
Cadmium	155		mg/kg dry	0.635	159	0.360	97	75-125		
Arsenic	158		mg/kg dry	1.91	159	6.43	95	75-125		
Silver	151		mg/kg dry	1.91	159	BRL	95	75-125		
Barium	252		mg/kg dry	1.27	159	103	94	75-125		
Matrix Spike Dup (9010598-MSD1)	**Source: SA89641-01**									
Prepared: 14-Jan-09 Analyzed: 15-Jan-09										
Lead	164		mg/kg dry	1.90	159	13.5	95	75-125	2	20
Selenium	157		mg/kg dry	1.90	159	4.27	96	75-125	2	20
Chromium	184		mg/kg dry	1.27	159	36.4	93	75-125	1	20
Cadmium	152		mg/kg dry	0.635	159	0.360	95	75-125	2	20
Arsenic	155		mg/kg dry	1.90	159	6.43	94	75-125	2	20
Silver	148		mg/kg dry	1.90	159	BRL	94	75-125	2	20
Barium	247		mg/kg dry	1.27	159	103	91	75-125	2	20
Post Spike (9010598-PS1)	**Source: SA89641-01**									
Prepared: 14-Jan-09 Analyzed: 15-Jan-09										
Lead	156		mg/kg dry	1.76	147	13.5	97	80-120		
Selenium	148		mg/kg dry	1.76	147	4.27	98	80-120		
Chromium	174		mg/kg dry	1.18	147	36.4	93	80-120		
Cadmium	143		mg/kg dry	0.588	147	0.360	97	80-120		
Arsenic	147		mg/kg dry	1.76	147	6.43	96	80-120		
Silver	140		mg/kg dry	1.76	147	BRL	96	80-120		
Barium	230		mg/kg dry	1.18	147	103	86	80-120		
Reference (9010598-SRM1)										
Prepared: 14-Jan-09 Analyzed: 15-Jan-09										
Lead	43.9		mg/kg wet	1.50	44.3		99	76.8-120.9		
Selenium	150		mg/kg wet	1.50	147		102	76.6-123.1		

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

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010598 - SW846 3050B										
Reference (9010598-SRM1)										
Prepared: 14-Jan-09 Analyzed: 15-Jan-09										
Chromium	120		mg/kg wet	1.00	122		99	79.7-120.3		
Silver	15.1		mg/kg wet	1.50	15.5		97	66.4-133.6		
Cadmium	30.7		mg/kg wet	0.500	31.3		98	80.9-119.3		
Arsenic	52.8		mg/kg wet	1.50	53.6		99	77.6-123.1		
Barium	98.0		mg/kg wet	1.00	102		96	79.8-119.7		
Reference (9010598-SRM2)										
Prepared: 14-Jan-09 Analyzed: 15-Jan-09										
Selenium	147		mg/kg wet	1.50	147		100	76.6-123.1		
Lead	42.7		mg/kg wet	1.50	44.2		97	78.8-120.9		
Arsenic	52.6		mg/kg wet	1.50	53.4		98	77.6-123.1		
Chromium	116		mg/kg wet	1.00	121		96	79.7-120.3		
Silver	15.3		mg/kg wet	1.50	15.5		99	66.4-133.6		
Cadmium	30.1		mg/kg wet	0.500	31.2		97	80.9-119.3		
Barium	105		mg/kg wet	1.00	102		103	79.8-119.7		
Batch 9010600 - EPA200/SW7000 Series										
Blank (9010600-BLK1)										
Prepared: 13-Jan-09 Analyzed: 15-Jan-09										
Mercury	BRL		mg/kg wet	0.0278						
Duplicate (9010600-DUP1) **Source: SA89630-20**										
Prepared: 13-Jan-09 Analyzed: 15-Jan-09										
Mercury	BRL		mg/kg dry	0.0316		BRL				20
Matrix Spike (9010600-MS1) **Source: SA89641-01**										
Prepared: 13-Jan-09 Analyzed: 15-Jan-09										
Mercury	0.668		mg/kg dry	0.0372	0.516	0.0927	111	75-125		
Matrix Spike Dup (9010600-MSD1) **Source: SA89641-01**										
Prepared: 13-Jan-09 Analyzed: 15-Jan-09										
Mercury	0.693		mg/kg dry	0.0389	0.540	0.0927	111	75-125	4	20
Post Spike (9010600-PS1) **Source: SA89641-01**										
Prepared: 13-Jan-09 Analyzed: 15-Jan-09										
Mercury	0.629		mg/kg dry	0.0347	0.482	0.0927	111	80-120		
Reference (9010600-SRM1)										
Prepared: 13-Jan-09 Analyzed: 15-Jan-09										
Mercury	2.28		mg/kg wet	0.0300	2.16		105	71.7-128.8		

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

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9020349 - SW846 3050B Mod.										
Blank (9020349-BLK1)										
Prepared & Analyzed: 06-Feb-09										
Lead	BRL		mg/l	0.0075						
LCS (9020349-BS1)										
Prepared & Analyzed: 06-Feb-09										
Lead	1.23		mg/l	0.0075	1.25		98	85-115		
LCS Dup (9020349-BSD1)										
Prepared & Analyzed: 06-Feb-09										
Lead	1.22		mg/l	0.0075	1.25		98	85-115	0.5	20
Duplicate (9020349-DUP1)	**Source: SA89497-05**									
Prepared & Analyzed: 06-Feb-09										
Lead	0.0238		mg/l	0.0075		0.0226			5	20
Matrix Spike (9020349-MS1)	**Source: SA89650-04**									
Prepared & Analyzed: 06-Feb-09										
Lead	1.26		mg/l	0.0075	1.25	0.0076	100	75-125		
Matrix Spike Dup (9020349-MSD1)	**Source: SA89650-04**									
Prepared & Analyzed: 06-Feb-09										
Lead	1.26		mg/l	0.0075	1.25	0.0076	100	75-125	0.08	20
Post Spike (9020349-PS1)	**Source: SA89650-04**									
Prepared & Analyzed: 06-Feb-09										
Lead	1.26		mg/l	0.0075	1.25	0.0076	100	75-125		

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

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9011251 - SW846 3010A										
Blank (9011251-BLK1)										
Prepared & Analyzed: 21-Jan-09										
Lead	BRL		mg/l	0.0150						
Chromium	BRL		mg/l	0.0100						
Arsenic	BRL		mg/l	0.0080						
LCS (9011251-BS1)										
Prepared & Analyzed: 21-Jan-09										
Lead	2.56		mg/l	0.0150	2.50		102	85-115		
Arsenic	2.52		mg/l	0.0080	2.50		101	85-115		
Chromium	2.55		mg/l	0.0100	2.50		102	85-115		
LCS Dup (9011251-BSD1)										
Prepared & Analyzed: 21-Jan-09										
Lead	2.56		mg/l	0.0150	2.50		103	85-115	0.04	20
Arsenic	2.52		mg/l	0.0080	2.50		101	85-115	0.2	20
Chromium	2.56		mg/l	0.0100	2.50		103	85-115	0.7	20
Duplicate (9011251-DUP1)	**Source: SA89650-05**									
Prepared & Analyzed: 21-Jan-09										
Lead	0.0122	J	mg/l	0.0150		0.0106			14	20
Chromium	BRL		mg/l	0.0100		BRL				20
Arsenic	0.0084	QR6	mg/l	0.0080		0.0068			21	20
Matrix Spike (9011251-MS1)	**Source: SA89727-02**									
Prepared & Analyzed: 21-Jan-09										
Lead	2.56		mg/l	0.0150	2.50	BRL	102	75-125		
Arsenic	2.50		mg/l	0.0080	2.50	BRL	100	75-125		
Chromium	2.54		mg/l	0.0100	2.50	BRL	102	75-125		
Matrix Spike Dup (9011251-MSD1)	**Source: SA89727-02**									
Prepared & Analyzed: 21-Jan-09										
Lead	2.58		mg/l	0.0150	2.50	BRL	103	75-125	0.7	20
Arsenic	2.54		mg/l	0.0080	2.50	BRL	102	75-125	2	20
Chromium	2.55		mg/l	0.0100	2.50	BRL	102	75-125	0.6	20
Post Spike (9011251-PS1)	**Source: SA89727-02**									
Prepared & Analyzed: 21-Jan-09										
Lead	2.62		mg/l	0.0150	2.50	BRL	105	75-125		
Arsenic	2.59		mg/l	0.0080	2.50	BRL	103	75-125		
Chromium	2.60		mg/l	0.0100	2.50	BRL	104	75-125		
Batch 9011253 - EPA200/SW7000 Series										
Blank (9011253-BLK1)										
Prepared: 21-Jan-09 Analyzed: 22-Jan-09										
Mercury	BRL		mg/l	0.00020						
LCS (9011253-BS1)										
Prepared: 21-Jan-09 Analyzed: 22-Jan-09										
Mercury	0.00417		mg/l	0.00020	0.00500		83	56.1-122		
Duplicate (9011253-DUP1)	**Source: SA89650-05**									
Prepared: 21-Jan-09 Analyzed: 22-Jan-09										
Mercury	BRL		mg/l	0.00020		BRL				20
Matrix Spike (9011253-MS1)	**Source: SA89650-05**									
Prepared: 21-Jan-09 Analyzed: 22-Jan-09										

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

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9011253 - EPA200/SW7000 Series										
Matrix Spike (9011253-MS1)	**Source: SA89650-05**									
Prepared: 21-Jan-09 Analyzed: 22-Jan-09										
Mercury	0.00443		mg/l	0.00020	0.00500	BRL	89	59.8-119		
Matrix Spike Dup (9011253-MSD1)	**Source: SA89650-05**									
Prepared: 21-Jan-09 Analyzed: 22-Jan-09										
Mercury	0.00443		mg/l	0.00020	0.00500	BRL	89	59.8-119	0	20
Post Spike (9011253-PS1)	**Source: SA89650-05**									
Prepared: 21-Jan-09 Analyzed: 22-Jan-09										
Mercury	0.00445		mg/l	0.00020	0.00500	BRL	89	72.4-113		

General Chemistry Parameters - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010739 - General Preparation										
Duplicate (9010739-DUP1)	**Source: SA89496-40**									
Prepared & Analyzed: 13-Jan-09										
% Solids	91.4		%			91.5			0.2	20

Notes and Definitions

QC2	Analyte out of acceptance range in QC spike but no reportable concentration present in sample.
QR6	The RPD exceeded the QC control limits; however precision is demonstrated with acceptable RPD values for MS/MSD.
BRL	Below Reporting Limit - Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference
J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).

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

Interpretation of Total Petroleum Hydrocarbon Report

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

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

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

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

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

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

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

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

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

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

Validated by:
Hanibal C. Tayeh, Ph.D.
Nicole Leja
Rebecca Merz

Reasonable Confidence Protocols
Laboratory Analysis
QA/QC Certification Form

Laboratory Name: Spectrum Analytical, Inc. - Agawam, MA **Client:** Tetra Tech Rizzo - Hartford, CT

Project Location: Hartford Busway - Hartford, CT **Project Number:** 127-17797-08011

Sampling Date(s): 08-Jan-09

Laboratory Sample ID(s): SA89650-01 through SA89650-05

RCP Methods Used: +CT ETPH; SW846 1311; SW846 1311/6010B; SW846 1312; SW846 1312/6010B; SW846 1312/7470A; SW846 6010B; SW846 7471A; SW846 8082; SW846 8151A; SW846 8260B; SW846 8270C

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

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

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

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

Date: 2/11/2009

SA 89650

SPECTRUM ANALYTICAL, INC.
Formerly
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

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

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

Project Mgr.: David Brassard

Invoice To: DAS # 44236

P.O. No.: _____ RQN: _____

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

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

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

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analyses: VOC 8260	SVOC 8270	CT ETPH	PCB 8082	Herbicides 8151	Total RCRA 8 Metals	QA Reporting Notes: (check if needed)
89650-01	RSB-C38	1/8/09	1400	G	SO	7	3	2			X	X	X	X	X	X	
-02	RSB-C39		1245				3	2									
-03	RSB-C40		1100				3	2									
-04	RSB-C41		945				3	2									
-05	RSB-C42		830				3	2									

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

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

State specific reporting standards: CT

☐ Fax results when available to (____) _____
☒ E-mail to patrick.delauda@tetratech.com
EDD Format _____
Condition upon receipt: ☐ Iced ☐ Ambient ☒ °C 4.2 Rec

Relinquished by:	Received by:	Date:	Time:
Patrick S. deLauda		1/9/09	945
		1/9/09	1645

SA 89650

SPECTRUM ANALYTICAL, INC.
Featuring
RANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

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

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

Project Mgr.: David Brassard

Invoice To: DAS # 44236

P.O. No.: _____ RQN: _____

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

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

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

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analyses: VOC 8260	SVOC 8270	CT ETPH	PCB 8082	Herbicides 8151	Total RCRA 8 Metals	Sep. for Pb, Cr, Hg	QA Reporting Notes: (check if needed)
89650-01	RSB-C38	1/8/09	1400	G	SO	7	3	2			X	X	X	X	X	X		
-02	RSB-C39		1245				3	2										
-03	RSB-C40		1100				3	2										
-04	RSB-C41		945				3	2									X	
-05	RSB-C42		830				3	2									X	

Provide MA DEP MCP CAM Report
Provide CT DEP RCP Report

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

State specific reporting standards: CT

TO BE ANALYZED ONLY IF RCRA 8 METALS EXCEEDS

- [ ] Fax results when available to (____) _____
- [x] E-mail to patrick.delaura@tetratech.com
EDD Format _____
Condition upon receipt: [ ] Iced [ ] Ambient [x] °C 4.2

Relinquished by:	Received by:	Date:	Time:
Patrick S. deLaura		1/9/09	945
		1/9/09	1645

SDA 89650

CHAIN OF CUSTODY RECORD

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Page 1 of 1

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

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

Project Mgr.: David Brassard

Invoice To: DAS # 44236

P.O. No.: _____ RQN: _____

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

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH_3OH 8=$NaHSO_3$ 9=_____ 10=_____

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

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analyses: VOC 8260	SVOC 8270	CT ETPH	PCB 8082	Herbicides 8151	Total RCRA 8 Metals	Sep. Pest. Org. Cl.	TCLP Pb	QA Reporting Notes: (check if needed)
[illegible]-01	RSB-C38	1/8/09	1400	G	SO	7	3	2			X	X	X	X	X	X			
-02	RSB-C39	↓	1245	↓	↓	↓	3	2			↓	↓	↓	↓	↓	↓			
-03	RSB-C40		1106				3	2											
-04	RSB-C41		945				3	2									X	X	Added 2/3/09
-05	RSB-C42	↓	830	↓	↓	↓	3	2			↓	↓	↓	↓	↓	↓	X		See attached

QA/QC Reporting Level: ☒ Standard ☐ No QC ☐ Other _____
State specific reporting standards: CT
☐ Provide MA DEP MCP CAM Report
☒ Provide CT DEP RCP Report

RUSH (see attached) ANALYSIS

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

Condition upon receipt: ☐ Iced ☐ Ambient 4°C 1/2

Relinquished by:	Received by:	Date:	Time:
Patrick de Paola		1/9/09	945
		1/9/09	1405

Report Date:
11-Feb-09 17:47

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

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

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

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SA89608-01	RSB-C43	Soil	07-Jan-09 10:30	08-Jan-09 15:20
SA89608-02	RSB-C44	Soil	07-Jan-09 09:30	08-Jan-09 15:20

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

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

Authorized by:

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

Technical Reviewer's Initial:

Spectrum Analytical holds certification in the State of New York for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of New York does not offer certification for all analytes.
Please note that this report contains 34 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supercedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report is available upon request. This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

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

Please contact the Laboratory or Technical Director at 800-789-9115 with any questions regarding the data contained in this laboratory report.

CASE NARRATIVE:

The samples were received 1.3 degrees Celsius, please refer to the Chain of Custody for details specific to temperature upon receipt. An infrared thermometer with a tolerance of +/- 2.0 degrees Celsius was used immediately upon receipt of the samples.

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

SW846 8270C

Laboratory Control Samples:

9010669-BS1

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

4-Chloroaniline
Aniline

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C43 SA89608-01	127-17797-08011	Soil	07-Jan-09 10:30	08-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	09-Jan-09	09-Jan-09	9010491	
Volatile Organic Compounds						Initial weight: 4.82 g					
Prepared by method SW846 5035A Soil (low level)											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	11.2	1	SW846 8260B	12-Jan-09	12-Jan-09	9010601	X
67-64-1	Acetone	BRL		µg/kg dry	112	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	11.2	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	11.2	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	11.2	1	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	11.2	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	11.2	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	11.2	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	22.5	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	112	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	11.2	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	11.2	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	11.2	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	56.2	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	11.2	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	11.2	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	22.5	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	11.2	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	22.5	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	11.2	1	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	11.2	1	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	22.5	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	11.2	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	11.2	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	11.2	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	11.2	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	11.2	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	11.2	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	22.5	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	11.2	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	11.2	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	11.2	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	11.2	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	11.2	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	11.2	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	11.2	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	11.2	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	11.2	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	11.2	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	11.2	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	11.2	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	11.2	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	112	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	11.2	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	11.2	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	11.2	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	112	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	112	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	11.2	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C43 SA89608-01	127-17797-08011	Soil	07-Jan-09 10:30	08-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
Volatile Organic Compounds											
Prepared by method SW846 5035A Soil (low level)					Initial weight: 4.82 g						
103-65-1	n-Propylbenzene	BRL		µg/kg dry	11.2	1	SW846 8260B	12-Jan-09	12-Jan-09	9010601	X
100-42-5	Styrene	BRL		µg/kg dry	11.2	1	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	11.2	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	11.2	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	11.2	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	11.2	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	11.2	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	11.2	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	11.2	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	11.2	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	11.2	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	11.2	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	11.2	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	11.2	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	11.2	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	11.2	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	11.2	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	22.5	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	11.2	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	112	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	11.2	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	11.2	1	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	11.2	1	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	11.2	1	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	112	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	225	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	56.2	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	4500	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*85*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*92*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*113*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*104*		*70-130 %*			"	"	"	"	
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
83-32-9	Acenaphthene	BRL		µg/kg dry	516	1	SW846 8270C	13-Jan-09	17-Jan-09	9010669	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	516	1	"	"	"	"	X
62-53-3	Aniline	BRL		µg/kg dry	516	1	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	516	1	"	"	"	"	X
1912-24-9	Atrazine	BRL		µg/kg dry	516	1	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/kg dry	516	1	"	"	"	"	
92-87-5	Benzidine	BRL		µg/kg dry	516	1	"	"	"	"	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	516	1	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	516	1	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	516	1	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	516	1	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	516	1	"	"	"	"	X
65-85-0	Benzoic acid	BRL		µg/kg dry	516	1	"	"	"	"	X
100-51-6	Benzyl alcohol	BRL		µg/kg dry	516	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C43 SA89608-01	127-17797-08011	Soil	07-Jan-09 10:30	08-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
111-91-1	Bis(2-chloroethoxy)methane	BRL		µg/kg dry	516	1	SW846 8270C	13-Jan-09	17-Jan-09	9010669	X
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/kg dry	516	1	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	516	1	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	516	1	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/kg dry	516	1	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	BRL		µg/kg dry	516	1	"	"	"	"	X
86-74-8	Carbazole	BRL		µg/kg dry	516	1	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	BRL		µg/kg dry	516	1	"	"	"	"	X
106-47-8	4-Chloroaniline	BRL		µg/kg dry	516	1	"	"	"	"	X
91-58-7	2-Chloronaphthalene	BRL		µg/kg dry	516	1	"	"	"	"	X
95-57-8	2-Chlorophenol	BRL		µg/kg dry	516	1	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/kg dry	516	1	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	516	1	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	516	1	"	"	"	"	X
132-64-9	Dibenzofuran	BRL		µg/kg dry	516	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	516	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	516	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	516	1	"	"	"	"	X
91-94-1	3,3'-Dichlorobenzidine	BRL		µg/kg dry	516	1	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	BRL		µg/kg dry	516	1	"	"	"	"	X
84-66-2	Diethyl phthalate	BRL		µg/kg dry	516	1	"	"	"	"	X
131-11-3	Dimethyl phthalate	BRL		µg/kg dry	516	1	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	BRL		µg/kg dry	516	1	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	BRL		µg/kg dry	516	1	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	516	1	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	BRL		µg/kg dry	516	1	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	BRL		µg/kg dry	516	1	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	BRL		µg/kg dry	516	1	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	BRL		µg/kg dry	516	1	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	516	1	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	516	1	"	"	"	"	X
118-74-1	Hexachlorobenzene	BRL		µg/kg dry	516	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	516	1	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	BRL		µg/kg dry	516	1	"	"	"	"	X
67-72-1	Hexachloroethane	BRL		µg/kg dry	516	1	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	516	1	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	516	1	"	"	"	"	
78-59-1	Isophorone	BRL		µg/kg dry	516	1	"	"	"	"	X
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	516	1	"	"	"	"	X
95-48-7	2-Methylphenol	BRL		µg/kg dry	516	1	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	BRL		µg/kg dry	516	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	516	1	"	"	"	"	X
88-74-4	2-Nitroaniline	BRL		µg/kg dry	516	1	"	"	"	"	X
99-09-2	3-Nitroaniline	BRL		µg/kg dry	516	1	"	"	"	"	X
100-01-6	4-Nitroaniline	BRL		µg/kg dry	2060	1	"	"	"	"	X
98-95-3	Nitrobenzene	BRL		µg/kg dry	516	1	"	"	"	"	X
88-75-5	2-Nitrophenol	BRL		µg/kg dry	516	1	"	"	"	"	X
100-02-7	4-Nitrophenol	BRL		µg/kg dry	2060	1	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	BRL		µg/kg dry	516	1	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/kg dry	516	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C43	127-17797-08011	Soil	07-Jan-09 10:30	08-Jan-09
SA89608-01				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
86-30-6	N-Nitrosodiphenylamine	BRL		µg/kg dry	516	1	SW846 8270C	13-Jan-09	17-Jan-09	9010669	X
87-86-5	Pentachlorophenol	BRL		µg/kg dry	516	1	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	516	1	"	"	"	"	X
108-95-2	Phenol	BRL		µg/kg dry	516	1	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	516	1	"	"	"	"	X
110-86-1	Pyridine	BRL		µg/kg dry	516	1	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	516	1	"	"	"	"	X
95-95-4	2,4,5-Trichlorophenol	BRL		µg/kg dry	516	1	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	BRL		µg/kg dry	516	1	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	BRL		µg/kg dry	516	1	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	516	1	"	"	"	"	X
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*57*		*30-130 %*			"	"	"	"	
367-12-4	*2-Fluorophenol*	*57*		*15-110 %*			"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*52*		*30-130 %*			"	"	"	"	
4165-62-2	*Phenol-d5*	*50*		*15-110 %*			"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*66*		*30-130 %*			"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*51*		*15-110 %*			"	"	"	"	
Semivolatile Organic Compounds by GC											
Polychlorinated Biphenyls by SW846 8082											
Prepared by method SW846 3545A											
12674-11-2	PCB 1016	BRL		µg/kg dry	31.2	1	SW846 8082	12-Jan-09	13-Jan-09	9010569	X
11104-28-2	PCB 1221	BRL		µg/kg dry	31.2	1	"	"	"	"	X
11141-16-5	PCB 1232	BRL		µg/kg dry	31.2	1	"	"	"	"	X
53469-21-9	PCB 1242	BRL		µg/kg dry	31.2	1	"	"	"	"	X
12672-29-6	PCB 1248	BRL		µg/kg dry	31.2	1	"	"	"	"	X
11097-69-1	PCB 1254	BRL		µg/kg dry	31.2	1	"	"	"	"	X
11096-82-5	PCB 1260	BRL		µg/kg dry	31.2	1	"	"	"	"	X
37324-23-5	PCB 1262	BRL		µg/kg dry	31.2	1	"	"	"	"	X
11100-14-4	PCB 1268	BRL		µg/kg dry	31.2	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*98*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*131*		*30-150 %*			"	"	"	"	
Chlorinated Herbicides by SW846 8151A											
Prepared by method SW846 3550B											
93-76-5	2,4,5-T	BRL		µg/kg dry	6.70	1	SW846 8151A	15-Jan-09	17-Jan-09	9010861	X
93-72-1	2,4,5-TP (Silvex)	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-75-7	2,4-D	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-82-6	2,4-DB	BRL		µg/kg dry	6.70	1	"	"	"	"	X
75-99-0	Dalapon	BRL		µg/kg dry	6.70	1	"	"	"	"	X
1918-00-9	Dicamba	BRL		µg/kg dry	6.70	1	"	"	"	"	X
120-36-5	Dichlorprop	BRL		µg/kg dry	6.70	1	"	"	"	"	X
88-85-7	Dinoseb	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-74-6	MCPA	BRL		µg/kg dry	670	1	"	"	"	"	X
94-81-5	MCPB	BRL		µg/kg dry	670	1	"	"	"	"	
93-65-2	MCPP	BRL		µg/kg dry	670	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*106*		*30-150 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											

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

* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C43 SA89608-01	127-17797-08011	Soil	07-Jan-09 10:30	08-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3550B											
8006-61-9	Gasoline	BRL		mg/kg dry	20.8	1	+CT ETPH	13-Jan-09	14-Jan-09	9010672	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	20.8	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	20.8	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	20.8	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	20.8	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	20.8	1	"	"	"	"	
	Unidentified	BRL		mg/kg dry	20.8	1	"	"	"	"	
	Other Oil	BRL		mg/kg dry	20.8	1	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL		mg/kg dry	20.8	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	20.8	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*70*		*50-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	BRL		mg/kg dry	2.30	1	SW846 6010B	14-Jan-09	15-Jan-09	9010598	X
7440-38-2	Arsenic	38.9		mg/kg dry	2.30	1	"	"	"	"	X
7440-39-3	Barium	58.9		mg/kg dry	1.53	1	"	"	"	"	X
7440-43-9	Cadmium	BRL		mg/kg dry	0.767	1	"	"	"	"	X
7440-47-3	Chromium	6.98		mg/kg dry	1.53	1	"	"	"	"	X
7439-97-6	Mercury	BRL		mg/kg dry	0.0458	1	SW846 7471A	13-Jan-09	15-Jan-09	9010600	X
7439-92-1	Lead	46.8		mg/kg dry	2.30	1	SW846 6010B	14-Jan-09	15-Jan-09	9010598	X
7782-49-2	Selenium	BRL		mg/kg dry	2.30	1	"	"	"	"	X
General Chemistry Parameters											
	% Solids	62.7		%		1	SM2540 G Mod.	14-Jan-09	14-Jan-09	9010819	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C44	127-17797-08011	Soil	07-Jan-09 09:30	08-Jan-09
SA89608-02				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	09-Jan-09	09-Jan-09	9010491	
Volatile Organic Compounds											
Prepared by method SW846 5035A Soil (low level)						Initial weight: 5.02 g					
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	13.4	1	SW846 8260B	12-Jan-09	12-Jan-09	9010601	X
67-64-1	Acetone	BRL		µg/kg dry	134	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	13.4	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	13.4	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	13.4	1	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	13.4	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	13.4	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	13.4	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	26.8	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	134	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	13.4	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	13.4	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	13.4	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	66.9	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	13.4	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	13.4	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	26.8	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	13.4	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	26.8	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	13.4	1	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	13.4	1	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	26.8	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	13.4	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	13.4	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	13.4	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	13.4	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	13.4	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	13.4	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	26.8	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	13.4	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	13.4	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	13.4	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	13.4	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	13.4	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	13.4	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	13.4	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	13.4	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	13.4	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	13.4	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	13.4	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	13.4	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	13.4	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	134	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	13.4	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	13.4	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	13.4	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	134	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	134	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	13.4	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C44 SA89608-02	127-17797-08011	Soil	07-Jan-09 09:30	08-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
Volatile Organic Compounds						Initial weight: 5.02 g					
Prepared by method SW846 5035A Soil (low level)											
103-65-1	n-Propylbenzene	BRL		µg/kg dry	13.4	1	SW846 8260B	12-Jan-09	12-Jan-09	9010601	X
100-42-5	Styrene	BRL		µg/kg dry	13.4	1	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	13.4	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	13.4	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	13.4	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	13.4	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	13.4	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	13.4	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	13.4	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	13.4	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	13.4	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	13.4	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	13.4	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	13.4	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	13.4	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	13.4	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	13.4	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	26.8	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	13.4	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	134	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	13.4	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	13.4	1	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	13.4	1	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	13.4	1	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	134	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	268	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	66.9	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	5350	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*84*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*92*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*114*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*106*		*70-130 %*			"	"	"	"	
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
83-32-9	Acenaphthene	BRL		µg/kg dry	595	1	SW846 8270C	13-Jan-09	17-Jan-09	9010669	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	595	1	"	"	"	"	X
62-53-3	Aniline	BRL		µg/kg dry	595	1	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	595	1	"	"	"	"	X
1912-24-9	Atrazine	BRL		µg/kg dry	595	1	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/kg dry	595	1	"	"	"	"	
92-87-5	Benzidine	BRL		µg/kg dry	595	1	"	"	"	"	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	595	1	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	595	1	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	595	1	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	595	1	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	595	1	"	"	"	"	X
65-85-0	Benzoic acid	BRL		µg/kg dry	595	1	"	"	"	"	X
100-51-6	Benzyl alcohol	BRL		µg/kg dry	595	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C44 SA89608-02	127-17797-08011	Soil	07-Jan-09 09:30	08-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
111-91-1	Bis(2-chloroethoxy)methane	BRL		µg/kg dry	595	1	SW846 8270C	13-Jan-09	17-Jan-09	9010669	X
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/kg dry	595	1	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	595	1	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	595	1	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/kg dry	595	1	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	BRL		µg/kg dry	595	1	"	"	"	"	X
86-74-8	Carbazole	BRL		µg/kg dry	595	1	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	BRL		µg/kg dry	595	1	"	"	"	"	X
106-47-8	4-Chloroaniline	BRL		µg/kg dry	595	1	"	"	"	"	X
91-58-7	2-Chloronaphthalene	BRL		µg/kg dry	595	1	"	"	"	"	X
95-57-8	2-Chlorophenol	BRL		µg/kg dry	595	1	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/kg dry	595	1	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	595	1	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	595	1	"	"	"	"	X
132-64-9	Dibenzofuran	BRL		µg/kg dry	595	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	595	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	595	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	595	1	"	"	"	"	X
91-94-1	3,3'-Dichlorobenzidine	BRL		µg/kg dry	595	1	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	BRL		µg/kg dry	595	1	"	"	"	"	X
84-66-2	Diethyl phthalate	BRL		µg/kg dry	595	1	"	"	"	"	X
131-11-3	Dimethyl phthalate	BRL		µg/kg dry	595	1	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	BRL		µg/kg dry	595	1	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	BRL		µg/kg dry	595	1	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	595	1	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	BRL		µg/kg dry	595	1	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	BRL		µg/kg dry	595	1	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	BRL		µg/kg dry	595	1	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	BRL		µg/kg dry	595	1	"	"	"	"	X
206-44-0	Fluoranthene	657		µg/kg dry	595	1	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	595	1	"	"	"	"	X
118-74-1	Hexachlorobenzene	BRL		µg/kg dry	595	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	595	1	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	BRL		µg/kg dry	595	1	"	"	"	"	X
67-72-1	Hexachloroethane	BRL		µg/kg dry	595	1	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	595	1	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	595	1	"	"	"	"	
78-59-1	Isophorone	BRL		µg/kg dry	595	1	"	"	"	"	X
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	595	1	"	"	"	"	X
95-48-7	2-Methylphenol	BRL		µg/kg dry	595	1	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	BRL		µg/kg dry	595	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	595	1	"	"	"	"	X
88-74-4	2-Nitroaniline	BRL		µg/kg dry	595	1	"	"	"	"	X
99-09-2	3-Nitroaniline	BRL		µg/kg dry	595	1	"	"	"	"	X
100-01-6	4-Nitroaniline	BRL		µg/kg dry	2380	1	"	"	"	"	X
98-95-3	Nitrobenzene	BRL		µg/kg dry	595	1	"	"	"	"	X
88-75-5	2-Nitrophenol	BRL		µg/kg dry	595	1	"	"	"	"	X
100-02-7	4-Nitrophenol	BRL		µg/kg dry	2380	1	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	BRL		µg/kg dry	595	1	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/kg dry	595	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C44 SA89608-02	127-17797-08011	Soil	07-Jan-09 09:30	08-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
86-30-6	N-Nitrosodiphenylamine	BRL		µg/kg dry	595	1	SW846 8270C	13-Jan-09	17-Jan-09	9010669	X
87-86-5	Pentachlorophenol	BRL		µg/kg dry	595	1	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	595	1	"	"	"	"	X
108-95-2	Phenol	BRL		µg/kg dry	595	1	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	595	1	"	"	"	"	X
110-86-1	Pyridine	BRL		µg/kg dry	595	1	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	595	1	"	"	"	"	X
95-95-4	2,4,5-Trichlorophenol	BRL		µg/kg dry	595	1	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	BRL		µg/kg dry	595	1	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	BRL		µg/kg dry	595	1	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	595	1	"	"	"	"	X
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*65*		*30-130 %*			"	"	"	"	
367-12-4	*2-Fluorophenol*	*67*		*15-110 %*			"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*63*		*30-130 %*			"	"	"	"	
4165-62-2	*Phenol-d5*	*60*		*15-110 %*			"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*73*		*30-130 %*			"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*66*		*15-110 %*			"	"	"	"	
Semivolatile Organic Compounds by GC											
Polychlorinated Biphenyls by SW846 8082											
Prepared by method SW846 3545A											
12674-11-2	PCB 1016	BRL		µg/kg dry	36.4	1	SW846 8082	12-Jan-09	13-Jan-09	9010569	X
11104-28-2	PCB 1221	BRL		µg/kg dry	36.4	1	"	"	"	"	X
11141-16-5	PCB 1232	BRL		µg/kg dry	36.4	1	"	"	"	"	X
53469-21-9	PCB 1242	BRL		µg/kg dry	36.4	1	"	"	"	"	X
12672-29-6	PCB 1248	BRL		µg/kg dry	36.4	1	"	"	"	"	X
11097-69-1	PCB 1254	BRL		µg/kg dry	36.4	1	"	"	"	"	X
11096-82-5	PCB 1260	BRL		µg/kg dry	36.4	1	"	"	"	"	X
37324-23-5	PCB 1262	BRL		µg/kg dry	36.4	1	"	"	"	"	X
11100-14-4	PCB 1268	BRL		µg/kg dry	36.4	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*99*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*140*		*30-150 %*			"	"	"	"	
Chlorinated Herbicides by SW846 8151A											
Prepared by method SW846 3550B											
93-76-5	2,4,5-T	BRL		µg/kg dry	6.70	1	SW846 8151A	15-Jan-09	17-Jan-09	9010861	X
93-72-1	2,4,5-TP (Silvex)	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-75-7	2,4-D	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-82-6	2,4-DB	BRL		µg/kg dry	6.70	1	"	"	"	"	X
75-99-0	Dalapon	BRL		µg/kg dry	6.70	1	"	"	"	"	X
1918-00-9	Dicamba	BRL		µg/kg dry	6.70	1	"	"	"	"	X
120-36-5	Dichlorprop	BRL		µg/kg dry	6.70	1	"	"	"	"	X
88-85-7	Dinoseb	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-74-6	MCPA	BRL		µg/kg dry	670	1	"	"	"	"	X
94-81-5	MCPB	BRL		µg/kg dry	670	1	"	"	"	"	
93-65-2	MCPP	BRL		µg/kg dry	670	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*105*		*30-150 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C44	127-17797-08011	Soil	07-Jan-09 09:30	08-Jan-09
SA89608-02				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3550B											
8006-61-9	Gasoline	BRL		mg/kg dry	24.0	1	+CT ETPH	13-Jan-09	14-Jan-09	9010672	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	24.0	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	24.0	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	24.0	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	24.0	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	24.0	1	"	"	"	"	
	Unidentified	63.4		mg/kg dry	24.0	1	"	"	"	"	
	Other Oil	Calculated as		mg/kg dry	24.0	1	"	"	"	"	
	Total Petroleum Hydrocarbons	63.4		mg/kg dry	24.0	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	63.4		mg/kg dry	24.0	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*86*		*50-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	BRL		mg/kg dry	2.53	1	SW846 6010B	14-Jan-09	15-Jan-09	9010598	X
7440-38-2	Arsenic	25.1		mg/kg dry	2.53	1	"	"	"	"	X
7440-39-3	Barium	197		mg/kg dry	1.68	1	"	"	"	"	X
7440-43-9	Cadmium	0.935		mg/kg dry	0.842	1	"	"	"	"	X
7440-47-3	Chromium	11.0		mg/kg dry	1.68	1	"	"	"	"	X
7439-97-6	Mercury	0.168		mg/kg dry	0.0501	1	SW846 7471A	13-Jan-09	15-Jan-09	9010600	X
7439-92-1	Lead	109		mg/kg dry	2.53	1	SW846 6010B	14-Jan-09	15-Jan-09	9010598	X
7782-49-2	Selenium	3.98		mg/kg dry	2.53	1	"	"	"	"	X
TCLP Metals by EPA 1311 & 6000/7000 Series Methods											
	TCLP Extraction	Completed		N/A		1	SW846 1311	04-Feb-09	04-Feb-09	9020341	X
7439-92-1	Lead	0.0086		mg/l	0.0075	1	SW846 1311/6010B	06-Feb-09	06-Feb-09	9020349	X
SPLP Metals by EPA 1312 & 6000/7000 Series Methods											
	SPLP Extraction	Completed		N/A		1	SW846 1312	04-Feb-09	04-Feb-09	9020339	
7440-38-2	Arsenic	BRL		mg/l	0.0080	1	SW846 1312/6010B	06-Feb-09	06-Feb-09	9020351	
General Chemistry Parameters											
	% Solids	54.3		%		1	SM2540 G Mod.	14-Jan-09	14-Jan-09	9010819	

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010601 - SW846 5035A Soil (low level)										
Blank (9010601-BLK1)										
Prepared & Analyzed: 12-Jan-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg wet	5.0						
Acetone	BRL		µg/kg wet	50.0						
Acrylonitrile	BRL		µg/kg wet	5.0						
Benzene	BRL		µg/kg wet	5.0						
Bromobenzene	BRL		µg/kg wet	5.0						
Bromochloromethane	BRL		µg/kg wet	5.0						
Bromodichloromethane	BRL		µg/kg wet	5.0						
Bromoform	BRL		µg/kg wet	5.0						
Bromomethane	BRL		µg/kg wet	10.0						
2-Butanone (MEK)	BRL		µg/kg wet	50.0						
n-Butylbenzene	BRL		µg/kg wet	5.0						
sec-Butylbenzene	BRL		µg/kg wet	5.0						
tert-Butylbenzene	BRL		µg/kg wet	5.0						
Carbon disulfide	BRL		µg/kg wet	25.0						
Carbon tetrachloride	BRL		µg/kg wet	5.0						
Chlorobenzene	BRL		µg/kg wet	5.0						
Chloroethane	BRL		µg/kg wet	10.0						
Chloroform	BRL		µg/kg wet	5.0						
Chloromethane	BRL		µg/kg wet	10.0						
2-Chlorotoluene	BRL		µg/kg wet	5.0						
4-Chlorotoluene	BRL		µg/kg wet	5.0						
1,2-Dibromo-3-chloropropane	BRL		µg/kg wet	10.0						
Dibromochloromethane	BRL		µg/kg wet	5.0						
1,2-Dibromoethane (EDB)	BRL		µg/kg wet	5.0						
Dibromomethane	BRL		µg/kg wet	5.0						
1,2-Dichlorobenzene	BRL		µg/kg wet	5.0						
1,3-Dichlorobenzene	BRL		µg/kg wet	5.0						
1,4-Dichlorobenzene	BRL		µg/kg wet	5.0						
Dichlorodifluoromethane (Freon12)	BRL		µg/kg wet	10.0						
1,1-Dichloroethane	BRL		µg/kg wet	5.0						
1,2-Dichloroethane	BRL		µg/kg wet	5.0						
1,1-Dichloroethene	BRL		µg/kg wet	5.0						
cis-1,2-Dichloroethene	BRL		µg/kg wet	5.0						
trans-1,2-Dichloroethene	BRL		µg/kg wet	5.0						
1,2-Dichloropropane	BRL		µg/kg wet	5.0						
1,3-Dichloropropane	BRL		µg/kg wet	5.0						
2,2-Dichloropropane	BRL		µg/kg wet	5.0						
1,1-Dichloropropene	BRL		µg/kg wet	5.0						
cis-1,3-Dichloropropene	BRL		µg/kg wet	5.0						
trans-1,3-Dichloropropene	BRL		µg/kg wet	5.0						
Ethylbenzene	BRL		µg/kg wet	5.0						
Hexachlorobutadiene	BRL		µg/kg wet	5.0						
2-Hexanone (MBK)	BRL		µg/kg wet	50.0						
Isopropylbenzene	BRL		µg/kg wet	5.0						
4-Isopropyltoluene	BRL		µg/kg wet	5.0						
Methyl tert-butyl ether	BRL		µg/kg wet	5.0						
4-Methyl-2-pentanone (MIBK)	BRL		µg/kg wet	50.0						
Methylene chloride	BRL		µg/kg wet	50.0						
Naphthalene	BRL		µg/kg wet	5.0						

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010601 - SW846 5035A Soil (low level)										
Blank (9010601-BLK1)										
Prepared & Analyzed: 12-Jan-09										
n-Propylbenzene	BRL		µg/kg wet	5.0						
Styrene	BRL		µg/kg wet	5.0						
1,1,1,2-Tetrachloroethane	BRL		µg/kg wet	5.0						
1,1,2,2-Tetrachloroethane	BRL		µg/kg wet	5.0						
Tetrachloroethene	BRL		µg/kg wet	5.0						
Toluene	BRL		µg/kg wet	5.0						
1,2,3-Trichlorobenzene	BRL		µg/kg wet	5.0						
1,2,4-Trichlorobenzene	BRL		µg/kg wet	5.0						
1,3,5-Trichlorobenzene	BRL		µg/kg wet	5.0						
1,1,1-Trichloroethane	BRL		µg/kg wet	5.0						
1,1,2-Trichloroethane	BRL		µg/kg wet	5.0						
Trichloroethene	BRL		µg/kg wet	5.0						
Trichlorofluoromethane (Freon 11)	BRL		µg/kg wet	5.0						
1,2,3-Trichloropropane	BRL		µg/kg wet	5.0						
1,2,4-Trimethylbenzene	BRL		µg/kg wet	5.0						
1,3,5-Trimethylbenzene	BRL		µg/kg wet	5.0						
Vinyl chloride	BRL		µg/kg wet	5.0						
m,p-Xylene	BRL		µg/kg wet	10.0						
o-Xylene	BRL		µg/kg wet	5.0						
Tetrahydrofuran	BRL		µg/kg wet	50.0						
Ethyl ether	BRL		µg/kg wet	5.0						
Tert-amyl methyl ether	BRL		µg/kg wet	5.0						
Ethyl tert-butyl ether	BRL		µg/kg wet	5.0						
Di-isopropyl ether	BRL		µg/kg wet	5.0						
Tert-Butanol / butyl alcohol	BRL		µg/kg wet	50.0						
1,4-Dioxane	BRL		µg/kg wet	100						
trans-1,4-Dichloro-2-butene	BRL		µg/kg wet	25.0						
Ethanol	BRL		µg/kg wet	2000						
Surrogate: 4-Bromofluorobenzene	*43.9*		µg/kg wet		*50.0*		*88*	*70-130*		
Surrogate: Toluene-d8	*45.7*		µg/kg wet		*50.0*		*91*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*56.2*		µg/kg wet		*50.0*		*112*	*70-130*		
Surrogate: Dibromofluoromethane	*50.3*		µg/kg wet		*50.0*		*101*	*70-130*		
LCS (9010601-BS1)										
Prepared & Analyzed: 12-Jan-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	20.5		µg/kg wet		20.0		103	70-130		
Acetone	17.0		µg/kg wet		20.0		85	7.9-168		
Acrylonitrile	18.0		µg/kg wet		20.0		90	70-130		
Benzene	21.1		µg/kg wet		20.0		105	70-130		
Bromobenzene	18.0		µg/kg wet		20.0		90	70-130		
Bromochloromethane	18.0		µg/kg wet		20.0		90	70-130		
Bromodichloromethane	20.8		µg/kg wet		20.0		104	70-130		
Bromoform	19.1		µg/kg wet		20.0		95	70-130		
Bromomethane	16.0		µg/kg wet		20.0		80	50-134		
2-Butanone (MEK)	16.4		µg/kg wet		20.0		82	44.6-130		
n-Butylbenzene	21.4		µg/kg wet		20.0		107	70-130		
sec-Butylbenzene	19.6		µg/kg wet		20.0		98	70-130		
tert-Butylbenzene	19.0		µg/kg wet		20.0		95	70-130		
Carbon disulfide	21.4		µg/kg wet		20.0		107	70-130		
Carbon tetrachloride	20.6		µg/kg wet		20.0		103	70-130		
Chlorobenzene	20.2		µg/kg wet		20.0		101	70-130		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010601 - SW846 5035A Soil (low level)										
LCS (9010601-BS1)										
Prepared & Analyzed: 12-Jan-09										
Chloroethane	18.1		µg/kg wet		20.0		90	59.2-130		
Chloroform	18.4		µg/kg wet		20.0		92	70-130		
Chloromethane	16.1		µg/kg wet		20.0		80	70-130		
2-Chlorotoluene	20.6		µg/kg wet		20.0		103	70-130		
4-Chlorotoluene	19.0		µg/kg wet		20.0		95	70-130		
1,2-Dibromo-3-chloropropane	19.8		µg/kg wet		20.0		99	70-130		
Dibromochloromethane	18.7		µg/kg wet		20.0		94	63.8-130		
1,2-Dibromoethane (EDB)	17.7		µg/kg wet		20.0		89	70-130		
Dibromomethane	17.8		µg/kg wet		20.0		89	70-130		
1,2-Dichlorobenzene	20.0		µg/kg wet		20.0		100	70-130		
1,3-Dichlorobenzene	18.6		µg/kg wet		20.0		93	70-130		
1,4-Dichlorobenzene	19.8		µg/kg wet		20.0		99	70-130		
Dichlorodifluoromethane (Freon12)	14.1		µg/kg wet		20.0		71	41.8-130		
1,1-Dichloroethane	20.7		µg/kg wet		20.0		104	70-130		
1,2-Dichloroethane	19.0		µg/kg wet		20.0		95	70-130		
1,1-Dichloroethene	21.5		µg/kg wet		20.0		107	70-130		
cis-1,2-Dichloroethene	19.5		µg/kg wet		20.0		98	70-130		
trans-1,2-Dichloroethene	20.3		µg/kg wet		20.0		102	70-130		
1,2-Dichloropropane	20.5		µg/kg wet		20.0		103	70-130		
1,3-Dichloropropane	19.0		µg/kg wet		20.0		95	70-130		
2,2-Dichloropropane	18.8		µg/kg wet		20.0		94	70-130		
1,1-Dichloropropene	20.2		µg/kg wet		20.0		101	70-130		
cis-1,3-Dichloropropene	18.2		µg/kg wet		20.0		91	70-130		
trans-1,3-Dichloropropene	19.0		µg/kg wet		20.0		95	70-130		
Ethylbenzene	20.1		µg/kg wet		20.0		100	70-130		
Hexachlorobutadiene	18.8		µg/kg wet		20.0		94	68.3-130		
2-Hexanone (MBK)	16.6		µg/kg wet		20.0		83	70-130		
Isopropylbenzene	19.5		µg/kg wet		20.0		98	70-130		
4-Isopropyltoluene	20.7		µg/kg wet		20.0		103	70-130		
Methyl tert-butyl ether	19.0		µg/kg wet		20.0		95	70-130		
4-Methyl-2-pentanone (MIBK)	15.6		µg/kg wet		20.0		78	53.1-132		
Methylene chloride	18.8		µg/kg wet		20.0		94	70-130		
Naphthalene	16.9		µg/kg wet		20.0		84	70-130		
n-Propylbenzene	19.7		µg/kg wet		20.0		99	70-130		
Styrene	19.5		µg/kg wet		20.0		97	70-130		
1,1,1,2-Tetrachloroethane	19.8		µg/kg wet		20.0		99	70-130		
1,1,2,2-Tetrachloroethane	19.8		µg/kg wet		20.0		99	70-130		
Tetrachloroethene	18.5		µg/kg wet		20.0		92	70-130		
Toluene	17.4		µg/kg wet		20.0		87	70-130		
1,2,3-Trichlorobenzene	18.2		µg/kg wet		20.0		91	70-130		
1,2,4-Trichlorobenzene	17.3		µg/kg wet		20.0		87	70-130		
1,3,5-Trichlorobenzene	18.6		µg/kg wet		20.0		93	70-130		
1,1,1-Trichloroethane	20.2		µg/kg wet		20.0		101	70-130		
1,1,2-Trichloroethane	18.7		µg/kg wet		20.0		93	70-130		
Trichloroethene	20.3		µg/kg wet		20.0		101	70-130		
Trichlorofluoromethane (Freon 11)	19.7		µg/kg wet		20.0		98	68.2-130		
1,2,3-Trichloropropane	18.1		µg/kg wet		20.0		91	70-130		
1,2,4-Trimethylbenzene	19.2		µg/kg wet		20.0		96	70-130		
1,3,5-Trimethylbenzene	19.5		µg/kg wet		20.0		97	70-130		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010601 - SW846 5035A Soil (low level)										
LCS (9010601-BS1)										
Prepared & Analyzed: 12-Jan-09										
Vinyl chloride	18.8		µg/kg wet		20.0		94	70-130		
m,p-Xylene	40.6		µg/kg wet		40.0		101	70-130		
o-Xylene	20.3		µg/kg wet		20.0		102	70-130		
Tetrahydrofuran	17.3		µg/kg wet		20.0		86	70-130		
Ethyl ether	19.2		µg/kg wet		20.0		96	70-130		
Tert-amyl methyl ether	17.6		µg/kg wet		20.0		88	70-130		
Ethyl tert-butyl ether	19.9		µg/kg wet		20.0		99	70-130		
Di-isopropyl ether	19.9		µg/kg wet		20.0		100	70-130		
Tert-Butanol / butyl alcohol	191		µg/kg wet		200		95	70-130		
1,4-Dioxane	161		µg/kg wet		200		81	48.7-130		
trans-1,4-Dichloro-2-butene	16.4		µg/kg wet		20.0		82	70-130		
Ethanol	358		µg/kg wet		400		90	70-130		
Surrogate: 4-Bromofluorobenzene	*48.0*		µg/kg wet		*50.0*		*96*	*70-130*		
Surrogate: Toluene-d8	*46.9*		µg/kg wet		*50.0*		*94*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*46.0*		µg/kg wet		*50.0*		*92*	*70-130*		
Surrogate: Dibromofluoromethane	*47.1*		µg/kg wet		*50.0*		*94*	*70-130*		
LCS Dup (9010601-BSD1)										
Prepared & Analyzed: 12-Jan-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	21.1		µg/kg wet		20.0		105	70-130	3	25
Acetone	12.1		µg/kg wet		20.0		61	7.9-168	34	50
Acrylonitrile	17.8		µg/kg wet		20.0		89	70-130	0.9	25
Benzene	21.5		µg/kg wet		20.0		108	70-130	2	25
Bromobenzene	18.1		µg/kg wet		20.0		90	70-130	0.4	25
Bromochloromethane	17.1		µg/kg wet		20.0		85	70-130	5	25
Bromodichloromethane	20.7		µg/kg wet		20.0		104	70-130	0.7	25
Bromoform	20.0		µg/kg wet		20.0		100	70-130	5	25
Bromomethane	14.9		µg/kg wet		20.0		75	50-134	7	50
2-Butanone (MEK)	17.9		µg/kg wet		20.0		90	44.6-130	9	50
n-Butylbenzene	20.6		µg/kg wet		20.0		103	70-130	4	25
sec-Butylbenzene	18.5		µg/kg wet		20.0		93	70-130	6	25
tert-Butylbenzene	18.3		µg/kg wet		20.0		92	70-130	3	25
Carbon disulfide	20.8		µg/kg wet		20.0		104	70-130	3	25
Carbon tetrachloride	20.7		µg/kg wet		20.0		104	70-130	0.7	25
Chlorobenzene	20.1		µg/kg wet		20.0		101	70-130	0.1	25
Chloroethane	16.0		µg/kg wet		20.0		80	59.2-130	12	50
Chloroform	18.7		µg/kg wet		20.0		93	70-130	2	25
Chloromethane	14.1		µg/kg wet		20.0		71	70-130	13	25
2-Chlorotoluene	19.9		µg/kg wet		20.0		99	70-130	4	25
4-Chlorotoluene	18.6		µg/kg wet		20.0		93	70-130	2	25
1,2-Dibromo-3-chloropropane	20.0		µg/kg wet		20.0		100	70-130	1	25
Dibromochloromethane	17.9		µg/kg wet		20.0		89	63.8-130	5	50
1,2-Dibromoethane (EDB)	17.3		µg/kg wet		20.0		87	70-130	2	25
Dibromomethane	18.4		µg/kg wet		20.0		92	70-130	3	25
1,2-Dichlorobenzene	19.8		µg/kg wet		20.0		99	70-130	0.9	25
1,3-Dichlorobenzene	17.6		µg/kg wet		20.0		88	70-130	5	25
1,4-Dichlorobenzene	19.6		µg/kg wet		20.0		98	70-130	1	25
Dichlorodifluoromethane (Freon12)	12.6		µg/kg wet		20.0		63	41.8-130	12	50
1,1-Dichloroethane	20.7		µg/kg wet		20.0		104	70-130	0.05	25
1,2-Dichloroethane	19.1		µg/kg wet		20.0		96	70-130	0.4	25
1,1-Dichloroethene	21.0		µg/kg wet		20.0		105	70-130	3	25

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010601 - SW846 5035A Soil (low level)										
LCS Dup (9010601-BSD1)										
Prepared & Analyzed: 12-Jan-09										
cis-1,2-Dichloroethene	20.4		µg/kg wet		20.0		102	70-130	4	25
trans-1,2-Dichloroethene	20.7		µg/kg wet		20.0		103	70-130	2	25
1,2-Dichloropropane	21.3		µg/kg wet		20.0		107	70-130	4	25
1,3-Dichloropropane	18.7		µg/kg wet		20.0		94	70-130	2	25
2,2-Dichloropropane	18.6		µg/kg wet		20.0		93	70-130	1	25
1,1-Dichloropropene	20.5		µg/kg wet		20.0		102	70-130	1	25
cis-1,3-Dichloropropene	19.0		µg/kg wet		20.0		95	70-130	5	25
trans-1,3-Dichloropropene	19.2		µg/kg wet		20.0		96	70-130	1	25
Ethylbenzene	20.8		µg/kg wet		20.0		104	70-130	4	25
Hexachlorobutadiene	17.4		µg/kg wet		20.0		87	68.3-130	8	50
2-Hexanone (MBK)	16.6		µg/kg wet		20.0		83	70-130	0.06	25
Isopropylbenzene	19.0		µg/kg wet		20.0		95	70-130	3	25
4-Isopropyltoluene	20.6		µg/kg wet		20.0		103	70-130	0.1	25
Methyl tert-butyl ether	19.9		µg/kg wet		20.0		99	70-130	5	25
4-Methyl-2-pentanone (MIBK)	14.1		µg/kg wet		20.0		71	53.1-132	10	50
Methylene chloride	17.5		µg/kg wet		20.0		87	70-130	7	25
Naphthalene	15.9		µg/kg wet		20.0		79	70-130	6	25
n-Propylbenzene	19.1		µg/kg wet		20.0		95	70-130	3	25
Styrene	19.9		µg/kg wet		20.0		99	70-130	2	25
1,1,1,2-Tetrachloroethane	20.6		µg/kg wet		20.0		103	70-130	4	25
1,1,2,2-Tetrachloroethane	19.2		µg/kg wet		20.0		96	70-130	3	25
Tetrachloroethene	18.2		µg/kg wet		20.0		91	70-130	2	25
Toluene	17.4		µg/kg wet		20.0		87	70-130	0.3	25
1,2,3-Trichlorobenzene	16.4		µg/kg wet		20.0		82	70-130	10	25
1,2,4-Trichlorobenzene	16.2		µg/kg wet		20.0		81	70-130	6	25
1,3,5-Trichlorobenzene	18.0		µg/kg wet		20.0		90	70-130	3	25
1,1,1-Trichloroethane	20.6		µg/kg wet		20.0		103	70-130	2	25
1,1,2-Trichloroethane	18.8		µg/kg wet		20.0		94	70-130	0.9	25
Trichloroethene	19.9		µg/kg wet		20.0		100	70-130	2	25
Trichlorofluoromethane (Freon 11)	19.4		µg/kg wet		20.0		97	68.2-130	1	50
1,2,3-Trichloropropane	19.0		µg/kg wet		20.0		95	70-130	5	25
1,2,4-Trimethylbenzene	18.9		µg/kg wet		20.0		95	70-130	2	25
1,3,5-Trimethylbenzene	19.1		µg/kg wet		20.0		95	70-130	2	25
Vinyl chloride	17.3		µg/kg wet		20.0		87	70-130	8	25
m,p-Xylene	40.6		µg/kg wet		40.0		102	70-130	0.05	25
o-Xylene	20.2		µg/kg wet		20.0		101	70-130	0.5	25
Tetrahydrofuran	17.8		µg/kg wet		20.0		89	70-130	3	25
Ethyl ether	19.7		µg/kg wet		20.0		98	70-130	2	50
Tert-amyl methyl ether	16.6		µg/kg wet		20.0		83	70-130	6	25
Ethyl tert-butyl ether	20.1		µg/kg wet		20.0		100	70-130	1	25
Di-isopropyl ether	21.8		µg/kg wet		20.0		109	70-130	9	25
Tert-Butanol / butyl alcohol	171		µg/kg wet		200		86	70-130	11	25
1,4-Dioxane	144		µg/kg wet		200		72	48.7-130	11	25
trans-1,4-Dichloro-2-butene	18.5		µg/kg wet		20.0		93	70-130	12	25
Ethanol	314		µg/kg wet		400		78	70-130	13	30
Surrogate: 4-Bromofluorobenzene	*47.5*		µg/kg wet		*50.0*		*95*	*70-130*		
Surrogate: Toluene-d8	*46.2*		µg/kg wet		*50.0*		*92*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*46.9*		µg/kg wet		*50.0*		*94*	*70-130*		
Surrogate: Dibromofluoromethane	*47.3*		µg/kg wet		*50.0*		*95*	*70-130*		

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010669 - SW846 3550B										
Blank (9010669-BLK1)										
Prepared & Analyzed: 13-Jan-09										
Acenaphthene	BRL		µg/kg wet	330						
Acenaphthylene	BRL		µg/kg wet	330						
Aniline	BRL		µg/kg wet	330						
Anthracene	BRL		µg/kg wet	330						
Atrazine	BRL		µg/kg wet	330						
Azobenzene/Diphenyldiazine	BRL		µg/kg wet	330						
Benzidine	BRL		µg/kg wet	330						
Benzo (a) anthracene	BRL		µg/kg wet	330						
Benzo (a) pyrene	BRL		µg/kg wet	330						
Benzo (b) fluoranthene	BRL		µg/kg wet	330						
Benzo (g,h,i) perylene	BRL		µg/kg wet	330						
Benzo (k) fluoranthene	BRL		µg/kg wet	330						
Benzoic acid	BRL		µg/kg wet	330						
Benzyl alcohol	BRL		µg/kg wet	330						
Bis(2-chloroethoxy)methane	BRL		µg/kg wet	330						
Bis(2-chloroethyl)ether	BRL		µg/kg wet	330						
Bis(2-chloroisopropyl)ether	BRL		µg/kg wet	330						
Bis(2-ethylhexyl)phthalate	BRL		µg/kg wet	330						
4-Bromophenyl phenyl ether	BRL		µg/kg wet	330						
Butyl benzyl phthalate	BRL		µg/kg wet	330						
Carbazole	BRL		µg/kg wet	330						
4-Chloro-3-methylphenol	BRL		µg/kg wet	330						
4-Chloroaniline	BRL		µg/kg wet	330						
2-Chloronaphthalene	BRL		µg/kg wet	330						
2-Chlorophenol	BRL		µg/kg wet	330						
4-Chlorophenyl phenyl ether	BRL		µg/kg wet	330						
Chrysene	BRL		µg/kg wet	330						
Dibenzo (a,h) anthracene	BRL		µg/kg wet	330						
Dibenzofuran	BRL		µg/kg wet	330						
1,2-Dichlorobenzene	BRL		µg/kg wet	330						
1,3-Dichlorobenzene	BRL		µg/kg wet	330						
1,4-Dichlorobenzene	BRL		µg/kg wet	330						
3,3'-Dichlorobenzidine	BRL		µg/kg wet	330						
2,4-Dichlorophenol	BRL		µg/kg wet	330						
Diethyl phthalate	BRL		µg/kg wet	330						
Dimethyl phthalate	BRL		µg/kg wet	330						
2,4-Dimethylphenol	BRL		µg/kg wet	330						
Di-n-butyl phthalate	BRL		µg/kg wet	330						
4,6-Dinitro-2-methylphenol	BRL		µg/kg wet	330						
2,4-Dinitrophenol	BRL		µg/kg wet	330						
2,4-Dinitrotoluene	BRL		µg/kg wet	330						
2,6-Dinitrotoluene	BRL		µg/kg wet	330						
Di-n-octyl phthalate	BRL		µg/kg wet	330						
Fluoranthene	BRL		µg/kg wet	330						
Fluorene	BRL		µg/kg wet	330						
Hexachlorobenzene	BRL		µg/kg wet	330						
Hexachlorobutadiene	BRL		µg/kg wet	330						
Hexachlorocyclopentadiene	BRL		µg/kg wet	330						
Hexachloroethane	BRL		µg/kg wet	330						

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010669 - SW846 3550B										
Blank (9010669-BLK1)										
Prepared & Analyzed: 13-Jan-09										
Indeno (1,2,3-cd) pyrene	BRL		µg/kg wet	330						
Isophorone	BRL		µg/kg wet	330						
1-Methylnaphthalene	BRL		µg/kg wet	330						
2-Methylnaphthalene	BRL		µg/kg wet	330						
2-Methylphenol	BRL		µg/kg wet	330						
3 & 4-Methylphenol	BRL		µg/kg wet	330						
Naphthalene	BRL		µg/kg wet	330						
2-Nitroaniline	BRL		µg/kg wet	330						
3-Nitroaniline	BRL		µg/kg wet	330						
4-Nitroaniline	BRL		µg/kg wet	1320						
Nitrobenzene	BRL		µg/kg wet	330						
2-Nitrophenol	BRL		µg/kg wet	330						
4-Nitrophenol	BRL		µg/kg wet	1320						
N-Nitrosodimethylamine	BRL		µg/kg wet	330						
N-Nitrosodi-n-propylamine	BRL		µg/kg wet	330						
N-Nitrosodiphenylamine	BRL		µg/kg wet	330						
Pentachlorophenol	BRL		µg/kg wet	330						
Phenanthrene	BRL		µg/kg wet	330						
Phenol	BRL		µg/kg wet	330						
Pyrene	BRL		µg/kg wet	330						
Pyridine	BRL		µg/kg wet	330						
1,2,4-Trichlorobenzene	BRL		µg/kg wet	330						
2,4,5-Trichlorophenol	BRL		µg/kg wet	330						
2,4,6-Trichlorophenol	BRL		µg/kg wet	330						
Pentachloronitrobenzene	BRL		µg/kg wet	330						
1,2,4,5-Tetrachlorobenzene	BRL		µg/kg wet	330						
Surrogate: 2-Fluorobiphenyl	*2210*		µg/kg wet		*3330*		*66*	*30-130*		
Surrogate: 2-Fluorophenol	*2490*		µg/kg wet		*3330*		*75*	*15-110*		
Surrogate: Nitrobenzene-d5	*2210*		µg/kg wet		*3330*		*66*	*30-130*		
Surrogate: Phenol-d5	*2220*		µg/kg wet		*3330*		*67*	*15-110*		
Surrogate: Terphenyl-dl4	*2540*		µg/kg wet		*3330*		*76*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*2360*		µg/kg wet		*3330*		*71*	*15-110*		
LCS (9010669-BS1)										
Prepared & Analyzed: 13-Jan-09										
Acenaphthene	2580		µg/kg wet	330	3330		77	40-130		
Acenaphthylene	2480		µg/kg wet	330	3330		74	40-130		
Aniline	739	QC2	µg/kg wet	330	3330		22	40-130		
Anthracene	2390		µg/kg wet	330	3330		72	40-130		
Atrazine	1650		µg/kg wet	330	3330		50	40-130		
Azobenzene/Diphenyldiazine	2540		µg/kg wet	330	3330		76	40-130		
Benzidine	BRL		µg/kg wet	330	3330			0-130		
Benzo (a) anthracene	2930		µg/kg wet	330	3330		88	40-130		
Benzo (a) pyrene	2480		µg/kg wet	330	3330		74	40-130		
Benzo (b) fluoranthene	2560		µg/kg wet	330	3330		77	40-130		
Benzo (g,h,i) perylene	2420		µg/kg wet	330	3330		73	40-130		
Benzo (k) fluoranthene	2470		µg/kg wet	330	3330		74	40-130		
Benzoic acid	2160		µg/kg wet	330	3330		65	19.5-130		
Benzyl alcohol	2390		µg/kg wet	330	3330		72	40-130		
Bis(2-chloroethoxy)methane	2730		µg/kg wet	330	3330		82	40-130		
Bis(2-chloroethyl)ether	2960		µg/kg wet	330	3330		89	40-130		

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010669 - SW846 3550B										
LCS (9010669-BS1)										
Prepared & Analyzed: 13-Jan-09										
Bis(2-chloroisopropyl)ether	2880		µg/kg wet	330	3330		86	40-130		
Bis(2-ethylhexyl)phthalate	3510		µg/kg wet	330	3330		105	40-130		
4-Bromophenyl phenyl ether	2590		µg/kg wet	330	3330		78	40-130		
Butyl benzyl phthalate	3480		µg/kg wet	330	3330		104	40-130		
Carbazole	2390		µg/kg wet	330	3330		72	40-130		
4-Chloro-3-methylphenol	2630		µg/kg wet	330	3330		79	40-130		
4-Chloroaniline	1100	QC2	µg/kg wet	330	3330		33	40-130		
2-Chloronaphthalene	2380		µg/kg wet	330	3330		71	40-130		
2-Chlorophenol	2430		µg/kg wet	330	3330		73	40-130		
4-Chlorophenyl phenyl ether	2840		µg/kg wet	330	3330		85	40-130		
Chrysene	3050		µg/kg wet	330	3330		91	40-130		
Dibenzo (a,h) anthracene	2520		µg/kg wet	330	3330		76	40-130		
Dibenzofuran	2390		µg/kg wet	330	3330		72	40-130		
1,2-Dichlorobenzene	2260		µg/kg wet	330	3330		68	40-130		
1,3-Dichlorobenzene	2220		µg/kg wet	330	3330		67	40-130		
1,4-Dichlorobenzene	2470		µg/kg wet	330	3330		74	40-130		
3,3'-Dichlorobenzidine	2080		µg/kg wet	330	3330		62	40-130		
2,4-Dichlorophenol	2390		µg/kg wet	330	3330		72	40-130		
Diethyl phthalate	2890		µg/kg wet	330	3330		87	40-130		
Dimethyl phthalate	2900		µg/kg wet	330	3330		87	40-130		
2,4-Dimethylphenol	2400		µg/kg wet	330	3330		72	40-130		
Di-n-butyl phthalate	2790		µg/kg wet	330	3330		84	40-130		
4,6-Dinitro-2-methylphenol	2800		µg/kg wet	330	3330		84	40-130		
2,4-Dinitrophenol	2540		µg/kg wet	330	3330		76	40-130		
2,4-Dinitrotoluene	2710		µg/kg wet	330	3330		81	40-130		
2,6-Dinitrotoluene	2580		µg/kg wet	330	3330		77	40-130		
Di-n-octyl phthalate	2890		µg/kg wet	330	3330		87	40-130		
Fluoranthene	2400		µg/kg wet	330	3330		72	40-130		
Fluorene	2450		µg/kg wet	330	3330		73	40-130		
Hexachlorobenzene	2170		µg/kg wet	330	3330		65	40-130		
Hexachlorobutadiene	2220		µg/kg wet	330	3330		67	40-130		
Hexachlorocyclopentadiene	1930		µg/kg wet	330	3330		58	40-130		
Hexachloroethane	2330		µg/kg wet	330	3330		70	40-130		
Indeno (1,2,3-cd) pyrene	2610		µg/kg wet	330	3330		78	40-130		
Isophorone	2310		µg/kg wet	330	3330		69	40-130		
1-Methylnaphthalene	2540		µg/kg wet	330	3330		76	40-140		
2-Methylnaphthalene	2770		µg/kg wet	330	3330		83	40-130		
2-Methylphenol	2330		µg/kg wet	330	3330		70	40-130		
3 & 4-Methylphenol	2690		µg/kg wet	330	3330		81	40-130		
Naphthalene	2390		µg/kg wet	330	3330		72	40-130		
2-Nitroaniline	2560		µg/kg wet	330	3330		77	40-130		
3-Nitroaniline	1690		µg/kg wet	330	3330		51	40-130		
4-Nitroaniline	2360		µg/kg wet	1320	3330		71	40-130		
Nitrobenzene	2230		µg/kg wet	330	3330		67	40-130		
2-Nitrophenol	2450		µg/kg wet	330	3330		73	40-130		
4-Nitrophenol	2850		µg/kg wet	1320	3330		86	40-130		
N-Nitrosodimethylamine	2880		µg/kg wet	330	3330		87	40-130		
N-Nitrosodi-n-propylamine	2630		µg/kg wet	330	3330		79	40-130		
N-Nitrosodiphenylamine	2790		µg/kg wet	330	3330		84	40-130		

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010669 - SW846 3550B										
LCS (9010669-BS1)										
Prepared & Analyzed: 13-Jan-09										
Pentachlorophenol	2390		µg/kg wet	330	3330		72	40-130		
Phenanthrene	2400		µg/kg wet	330	3330		72	40-130		
Phenol	2440		µg/kg wet	330	3330		73	40-130		
Pyrene	2990		µg/kg wet	330	3330		90	40-130		
Pyridine	765		µg/kg wet	330	3330		23	0-130		
1,2,4-Trichlorobenzene	2270		µg/kg wet	330	3330		68	40-130		
2,4,5-Trichlorophenol	2470		µg/kg wet	330	3330		74	40-130		
2,4,6-Trichlorophenol	2420		µg/kg wet	330	3330		73	40-130		
Pentachloronitrobenzene	2330		µg/kg wet	330	3330		70	40-140		
1,2,4,5-Tetrachlorobenzene	2240		µg/kg wet	330	3330		67	40-140		
Surrogate: 2-Fluorobiphenyl	*2430*		µg/kg wet		*3330*		*73*	*30-130*		
Surrogate: 2-Fluorophenol	*2290*		µg/kg wet		*3330*		*69*	*15-110*		
Surrogate: Nitrobenzene-d5	*2400*		µg/kg wet		*3330*		*72*	*30-130*		
Surrogate: Phenol-d5	*2140*		µg/kg wet		*3330*		*64*	*15-110*		
Surrogate: Terphenyl-dl4	*2640*		µg/kg wet		*3330*		*79*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*2390*		µg/kg wet		*3330*		*72*	*15-110*		
Duplicate (9010669-DUP1) **Source: SA89650-03**										
Prepared: 13-Jan-09 Analyzed: 14-Jan-09										
Acenaphthene	BRL		µg/kg dry	423		BRL				50
Acenaphthylene	BRL		µg/kg dry	423		BRL				50
Aniline	BRL		µg/kg dry	423		BRL				50
Anthracene	BRL		µg/kg dry	423		BRL				50
Atrazine	BRL		µg/kg dry	423		BRL				50
Azobenzene/Diphenyldiazine	BRL		µg/kg dry	423		BRL				50
Benzidine	BRL		µg/kg dry	423		BRL				50
Benzo (a) anthracene	BRL		µg/kg dry	423		BRL				50
Benzo (a) pyrene	BRL		µg/kg dry	423		BRL				50
Benzo (b) fluoranthene	BRL		µg/kg dry	423		BRL				50
Benzo (g,h,i) perylene	BRL		µg/kg dry	423		BRL				50
Benzo (k) fluoranthene	BRL		µg/kg dry	423		BRL				50
Benzoic acid	BRL		µg/kg dry	423		BRL				50
Benzyl alcohol	BRL		µg/kg dry	423		BRL				50
Bis(2-chloroethoxy)methane	BRL		µg/kg dry	423		BRL				50
Bis(2-chloroethyl)ether	BRL		µg/kg dry	423		BRL				50
Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	423		BRL				50
Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	423		BRL				50
4-Bromophenyl phenyl ether	BRL		µg/kg dry	423		BRL				50
Butyl benzyl phthalate	BRL		µg/kg dry	423		BRL				50
Carbazole	BRL		µg/kg dry	423		BRL				50
4-Chloro-3-methylphenol	BRL		µg/kg dry	423		BRL				50
4-Chloroaniline	BRL		µg/kg dry	423		BRL				50
2-Chloronaphthalene	BRL		µg/kg dry	423		BRL				50
2-Chlorophenol	BRL		µg/kg dry	423		BRL				50
4-Chlorophenyl phenyl ether	BRL		µg/kg dry	423		BRL				50
Chrysene	BRL		µg/kg dry	423		BRL				50
Dibenzo (a,h) anthracene	BRL		µg/kg dry	423		BRL				50
Dibenzofuran	BRL		µg/kg dry	423		BRL				50
1,2-Dichlorobenzene	BRL		µg/kg dry	423		BRL				50
1,3-Dichlorobenzene	BRL		µg/kg dry	423		BRL				50
1,4-Dichlorobenzene	BRL		µg/kg dry	423		BRL				50

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010669 - SW846 3550B										
Duplicate (9010669-DUP1) **Source: SA89650-03**										
Prepared: 13-Jan-09 Analyzed: 14-Jan-09										
3,3'-Dichlorobenzidine	BRL		µg/kg dry	423		BRL				50
2,4-Dichlorophenol	BRL		µg/kg dry	423		BRL				50
Diethyl phthalate	BRL		µg/kg dry	423		BRL				50
Dimethyl phthalate	BRL		µg/kg dry	423		BRL				50
2,4-Dimethylphenol	BRL		µg/kg dry	423		BRL				50
Di-n-butyl phthalate	BRL		µg/kg dry	423		BRL				50
4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	423		BRL				50
2,4-Dinitrophenol	BRL		µg/kg dry	423		BRL				50
2,4-Dinitrotoluene	BRL		µg/kg dry	423		BRL				50
2,6-Dinitrotoluene	BRL		µg/kg dry	423		BRL				50
Di-n-octyl phthalate	BRL		µg/kg dry	423		BRL				50
Fluoranthene	BRL		µg/kg dry	423		BRL				50
Fluorene	BRL		µg/kg dry	423		BRL				50
Hexachlorobenzene	BRL		µg/kg dry	423		BRL				50
Hexachlorobutadiene	BRL		µg/kg dry	423		BRL				50
Hexachlorocyclopentadiene	BRL		µg/kg dry	423		BRL				50
Hexachloroethane	BRL		µg/kg dry	423		BRL				50
Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	423		BRL				50
1-Methylnaphthalene	BRL		µg/kg dry	423		BRL				50
Isophorone	BRL		µg/kg dry	423		BRL				50
2-Methylnaphthalene	BRL		µg/kg dry	423		BRL				50
2-Methylphenol	BRL		µg/kg dry	423		BRL				50
3 & 4-Methylphenol	BRL		µg/kg dry	423		BRL				50
Naphthalene	BRL		µg/kg dry	423		BRL				50
2-Nitroaniline	BRL		µg/kg dry	423		BRL				50
3-Nitroaniline	BRL		µg/kg dry	423		BRL				50
4-Nitroaniline	BRL		µg/kg dry	1690		BRL				50
Nitrobenzene	BRL		µg/kg dry	423		BRL				50
2-Nitrophenol	BRL		µg/kg dry	423		BRL				50
4-Nitrophenol	BRL		µg/kg dry	1690		BRL				50
N-Nitrosodimethylamine	BRL		µg/kg dry	423		BRL				50
N-Nitrosodi-n-propylamine	BRL		µg/kg dry	423		BRL				50
N-Nitrosodiphenylamine	BRL		µg/kg dry	423		BRL				50
Pentachlorophenol	BRL		µg/kg dry	423		BRL				50
Phenanthrene	BRL		µg/kg dry	423		BRL				50
Phenol	BRL		µg/kg dry	423		BRL				50
Pyrene	BRL		µg/kg dry	423		BRL				50
Pyridine	BRL		µg/kg dry	423		BRL				50
1,2,4-Trichlorobenzene	BRL		µg/kg dry	423		BRL				50
2,4,5-Trichlorophenol	BRL		µg/kg dry	423		BRL				50
2,4,6-Trichlorophenol	BRL		µg/kg dry	423		BRL				50
Pentachloronitrobenzene	BRL		µg/kg dry	423		BRL				50
1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	423		BRL				50
Surrogate: 2-Fluorobiphenyl	*1070*		µg/kg dry		*2140*		*50*	*30-130*		
Surrogate: 2-Fluorophenol	*1160*		µg/kg dry		*2140*		*54*	*15-110*		
Surrogate: Nitrobenzene-d5	*1080*		µg/kg dry		*2140*		*51*	*30-130*		
Surrogate: Phenol-d5	*1070*		µg/kg dry		*2140*		*50*	*15-110*		
Surrogate: Terphenyl-dl4	*1260*		µg/kg dry		*2140*		*59*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*1160*		µg/kg dry		*2140*		*54*	*15-110*		

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010669 - SW846 3550B										
Matrix Spike (9010669-MS1) **Source: SA89650-03**										
Prepared: 13-Jan-09 Analyzed: 14-Jan-09										
Acenaphthene	1230		µg/kg dry	215	2170	BRL	56	40-140		
Benzo (b) fluoranthene	1210		µg/kg dry	215	2170	BRL	56	40-140		
Benzo (k) fluoranthene	1220		µg/kg dry	215	2170	BRL	56	40-140		
4-Chloro-3-methylphenol	1150		µg/kg dry	215	2170	BRL	53	30-130		
2-Chlorophenol	1120		µg/kg dry	215	2170	BRL	52	30-130		
Chrysene	1520		µg/kg dry	215	2170	BRL	70	40-140		
1,4-Dichlorobenzene	1150		µg/kg dry	215	2170	BRL	53	40-140		
Indeno (1,2,3-cd) pyrene	1120		µg/kg dry	215	2170	BRL	51	40-140		
Naphthalene	1060		µg/kg dry	215	2170	BRL	49	40-140		
4-Nitrophenol	1280		µg/kg dry	861	2170	BRL	59	30-130		
N-Nitrosodi-n-propylamine	1380		µg/kg dry	215	2170	BRL	63	40-140		
Pentachlorophenol	1100		µg/kg dry	215	2170	BRL	51	30-130		
Phenol	1140		µg/kg dry	215	2170	BRL	53	30-130		
Pyrene	1570		µg/kg dry	215	2170	BRL	72	40-140		
1,2,4-Trichlorobenzene	1010		µg/kg dry	215	2170	BRL	46	40-140		
Surrogate: 2-Fluorobiphenyl	*1030*		µg/kg dry		*2170*		*47*	*30-130*		
Surrogate: 2-Fluorophenol	*998*		µg/kg dry		*2170*		*46*	*15-110*		
Surrogate: Nitrobenzene-d5	*1020*		µg/kg dry		*2170*		*47*	*30-130*		
Surrogate: Phenol-d5	*911*		µg/kg dry		*2170*		*42*	*15-110*		
Surrogate: Terphenyl-dl4	*1200*		µg/kg dry		*2170*		*55*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*1060*		µg/kg dry		*2170*		*49*	*15-110*		
Matrix Spike Dup (9010669-MSD1) **Source: SA89650-03**										
Prepared: 13-Jan-09 Analyzed: 14-Jan-09										
Acenaphthene	1460		µg/kg dry	213	2150	BRL	68	40-140	19	30
Benzo (b) fluoranthene	1400		µg/kg dry	213	2150	BRL	65	40-140	16	30
Benzo (k) fluoranthene	1430		µg/kg dry	213	2150	BRL	66	40-140	17	30
4-Chloro-3-methylphenol	1390		µg/kg dry	213	2150	BRL	64	30-130	19	30
2-Chlorophenol	1360		µg/kg dry	213	2150	BRL	63	30-130	21	30
Chrysene	1730		µg/kg dry	213	2150	BRL	80	40-140	14	30
1,4-Dichlorobenzene	1390		µg/kg dry	213	2150	BRL	65	40-140	20	30
Indeno (1,2,3-cd) pyrene	1390		µg/kg dry	213	2150	BRL	65	40-140	23	30
Naphthalene	1320		µg/kg dry	213	2150	BRL	62	40-140	23	30
4-Nitrophenol	1480		µg/kg dry	852	2150	BRL	69	30-130	15	30
N-Nitrosodi-n-propylamine	1590		µg/kg dry	213	2150	BRL	74	40-140	15	30
Pentachlorophenol	1320		µg/kg dry	213	2150	BRL	61	30-130	19	30
Phenol	1370		µg/kg dry	213	2150	BRL	64	30-130	19	30
Pyrene	1660		µg/kg dry	213	2150	BRL	77	40-140	7	30
1,2,4-Trichlorobenzene	1250		µg/kg dry	213	2150	BRL	58	40-140	23	30
Surrogate: 2-Fluorobiphenyl	*1260*		µg/kg dry		*2150*		*58*	*30-130*		
Surrogate: 2-Fluorophenol	*1170*		µg/kg dry		*2150*		*54*	*15-110*		
Surrogate: Nitrobenzene-d5	*1250*		µg/kg dry		*2150*		*58*	*30-130*		
Surrogate: Phenol-d5	*1080*		µg/kg dry		*2150*		*50*	*15-110*		
Surrogate: Terphenyl-dl4	*1360*		µg/kg dry		*2150*		*63*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*1240*		µg/kg dry		*2150*		*58*	*15-110*		

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010569 - SW846 3545A										
Blank (9010569-BLK1)										
Prepared & Analyzed: 12-Jan-09										
PCB 1016	BRL		µg/kg wet	20.0						
PCB 1221	BRL		µg/kg wet	20.0						
PCB 1232	BRL		µg/kg wet	20.0						
PCB 1242	BRL		µg/kg wet	20.0						
PCB 1248	BRL		µg/kg wet	20.0						
PCB 1254	BRL		µg/kg wet	20.0						
PCB 1260	BRL		µg/kg wet	20.0						
PCB 1262	BRL		µg/kg wet	20.0						
PCB 1268	BRL		µg/kg wet	20.0						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*15.6*		µg/kg wet		*20.0*		*78*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*16.7*		µg/kg wet		*20.0*		*84*	*30-150*		
LCS (9010569-BS1)										
Prepared & Analyzed: 12-Jan-09										
PCB 1016	196		µg/kg wet	20.0	250		79	40-140		
PCB 1260	173		µg/kg wet	20.0	250		69	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*15.0*		µg/kg wet		*20.0*		*75*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*14.1*		µg/kg wet		*20.0*		*70*	*30-150*		
LCS Dup (9010569-BSD1)										
Prepared & Analyzed: 12-Jan-09										
PCB 1016	193		µg/kg wet	20.0	250		77	40-140	2	30
PCB 1260	168		µg/kg wet	20.0	250		67	40-140	3	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*14.9*		µg/kg wet		*20.0*		*74*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*13.6*		µg/kg wet		*20.0*		*68*	*30-150*		
Duplicate (9010569-DUP1) **Source: SA89629-04**										
Prepared: 12-Jan-09 Analyzed: 13-Jan-09										
PCB 1016	BRL		µg/kg dry	20.7		BRL				40
PCB 1221	BRL		µg/kg dry	20.7		BRL				40
PCB 1232	BRL		µg/kg dry	20.7		BRL				40
PCB 1242	BRL		µg/kg dry	20.7		BRL				40
PCB 1248	BRL		µg/kg dry	20.7		BRL				40
PCB 1254	BRL		µg/kg dry	20.7		BRL				40
PCB 1260	BRL		µg/kg dry	20.7		BRL				40
PCB 1262	BRL		µg/kg dry	20.7		BRL				40
PCB 1268	BRL		µg/kg dry	20.7		BRL				40
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*21.3*		µg/kg dry		*20.7*		*103*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*29.7*		µg/kg dry		*20.7*		*144*	*30-150*		
Matrix Spike (9010569-MS1) **Source: SA89629-04**										
Prepared: 12-Jan-09 Analyzed: 13-Jan-09										
PCB 1016	303		µg/kg dry	21.0	262	BRL	115	40-140		
PCB 1260	312		µg/kg dry	21.0	262	BRL	119	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*21.8*		µg/kg dry		*21.0*		*104*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*27.3*		µg/kg dry		*21.0*		*130*	*30-150*		
Matrix Spike Dup (9010569-MSD1) **Source: SA89629-04**										
Prepared: 12-Jan-09 Analyzed: 13-Jan-09										
PCB 1016	303		µg/kg dry	21.5	268	BRL	113	40-140	2	50
PCB 1260	309		µg/kg dry	21.5	268	BRL	115	40-140	3	50
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*21.4*		µg/kg dry		*21.4*		*100*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*28.6*		µg/kg dry		*21.4*		*133*	*30-150*		
Batch 9010861 - SW846 3550B										

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010861 - SW846 3550B										
Blank (9010861-BLK1)										
Prepared: 15-Jan-09 Analyzed: 16-Jan-09										
2,4,5-T	BRL		µg/kg wet	6.70						
2,4,5-T [2C]	BRL		µg/kg wet	6.70						
2,4,5-TP (Silvex)	BRL		µg/kg wet	6.70						
2,4,5-TP (Silvex) [2C]	BRL		µg/kg wet	6.70						
2,4-D	BRL		µg/kg wet	6.70						
2,4-D [2C]	BRL		µg/kg wet	6.70						
2,4-DB	BRL		µg/kg wet	6.70						
2,4-DB [2C]	BRL		µg/kg wet	6.70						
Dalapon	BRL		µg/kg wet	6.70						
Dalapon [2C]	BRL		µg/kg wet	6.70						
Dicamba	BRL		µg/kg wet	6.70						
Dicamba [2C]	BRL		µg/kg wet	6.70						
Dichlorprop	BRL		µg/kg wet	6.70						
Dichlorprop [2C]	BRL		µg/kg wet	6.70						
Dinoseb	BRL		µg/kg wet	6.70						
Dinoseb [2C]	BRL		µg/kg wet	6.70						
MCPA	BRL		µg/kg wet	670						
MCPA [2C]	BRL		µg/kg wet	670						
MCPB	BRL		µg/kg wet	670						
MCPB [2C]	BRL		µg/kg wet	670						
MCPP	BRL		µg/kg wet	670						
MCPP [2C]	BRL		µg/kg wet	670						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*11.2*		µg/kg wet		*13.3*		*84*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [	*10.5*		µg/kg wet		*13.3*		*79*	*30-150*		
LCS (9010861-BS1)										
Prepared: 15-Jan-09 Analyzed: 16-Jan-09										
2,4,5-T	26.7		µg/kg wet	6.70	33.3		80	40-140		
2,4,5-T [2C]	28.8		µg/kg wet	6.70	33.3		86	40-140		
2,4,5-TP (Silvex)	27.9		µg/kg wet	6.70	33.3		84	40-140		
2,4,5-TP (Silvex) [2C]	28.7		µg/kg wet	6.70	33.3		86	40-140		
2,4-D	26.7		µg/kg wet	6.70	33.3		80	40-140		
2,4-D [2C]	27.7		µg/kg wet	6.70	33.3		83	40-140		
2,4-DB	29.8		µg/kg wet	6.70	33.3		89	40-140		
2,4-DB [2C]	29.9		µg/kg wet	6.70	33.3		90	40-140		
Dalapon	22.9		µg/kg wet	6.70	33.3		69	40-140		
Dalapon [2C]	20.4		µg/kg wet	6.70	33.3		61	40-140		
Dicamba	27.7		µg/kg wet	6.70	33.3		83	40-140		
Dicamba [2C]	28.1		µg/kg wet	6.70	33.3		84	40-140		
Dichlorprop	30.0		µg/kg wet	6.70	33.3		90	40-140		
Dichlorprop [2C]	30.7		µg/kg wet	6.70	33.3		92	40-140		
Dinoseb	27.9		µg/kg wet	6.70	33.3		84	40-140		
Dinoseb [2C]	28.5		µg/kg wet	6.70	33.3		85	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*10.3*		µg/kg wet		*13.3*		*77*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [	*10.7*		µg/kg wet		*13.3*		*80*	*30-150*		
LCS (9010861-BS2)										
Prepared: 15-Jan-09 Analyzed: 17-Jan-09										
MCPA	8730		µg/kg wet	670	10000		87	40-140		
MCPA [2C]	8470		µg/kg wet	670	10000		85	40-140		
MCPB	9270		µg/kg wet	670	10000		93	40-140		

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010861 - SW846 3550B										
LCS (9010861-BS2)										
Prepared: 15-Jan-09 Analyzed: 17-Jan-09										
MCPB [2C]	9270		µg/kg wet	670	10000		93	40-140		
MCPP	9330		µg/kg wet	670	10000		93	40-140		
MCPP [2C]	9670		µg/kg wet	670	10000		97	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*10.3*		µg/kg wet		*13.3*		*77*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [:	*9.93*		µg/kg wet		*13.3*		*75*	*30-150*		
LCS Dup (9010861-BSD1)										
Prepared: 15-Jan-09 Analyzed: 17-Jan-09										
2,4,5-T	27.3		µg/kg wet	6.70	33.3		82	40-140	2	25
2,4,5-T [2C]	30.1		µg/kg wet	6.70	33.3		90	40-140	5	25
2,4,5-TP (Silvex)	28.4		µg/kg wet	6.70	33.3		85	40-140	2	25
2,4,5-TP (Silvex) [2C]	30.1		µg/kg wet	6.70	33.3		90	40-140	5	25
2,4-D	28.1		µg/kg wet	6.70	33.3		84	40-140	5	25
2,4-D [2C]	27.6		µg/kg wet	6.70	33.3		83	40-140	0.2	25
2,4-DB	30.1		µg/kg wet	6.70	33.3		90	40-140	1	25
2,4-DB [2C]	31.3		µg/kg wet	6.70	33.3		94	40-140	5	25
Dalapon	22.2		µg/kg wet	6.70	33.3		67	40-140	3	25
Dalapon [2C]	21.9		µg/kg wet	6.70	33.3		66	40-140	7	25
Dicamba	27.7		µg/kg wet	6.70	33.3		83	40-140	0.2	25
Dicamba [2C]	28.7		µg/kg wet	6.70	33.3		86	40-140	2	25
Dichlorprop	31.7		µg/kg wet	6.70	33.3		95	40-140	6	25
Dichlorprop [2C]	31.3		µg/kg wet	6.70	33.3		94	40-140	2	25
Dinoseb	27.9		µg/kg wet	6.70	33.3		84	40-140	0.2	25
Dinoseb [2C]	29.1		µg/kg wet	6.70	33.3		87	40-140	2	25
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*10.2*		µg/kg wet		*13.3*		*77*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [:	*11.1*		µg/kg wet		*13.3*		*83*	*30-150*		
LCS Dup (9010861-BSD2)										
Prepared: 15-Jan-09 Analyzed: 17-Jan-09										
MCPA	9000		µg/kg wet	670	10000		90	40-140	3	25
MCPA [2C]	8930		µg/kg wet	670	10000		89	40-140	5	25
MCPB	9730		µg/kg wet	670	10000		97	40-140	5	25
MCPB [2C]	9730		µg/kg wet	670	10000		97	40-140	5	25
MCPP	9600		µg/kg wet	670	10000		96	40-140	3	25
MCPP [2C]	10100		µg/kg wet	670	10000		101	40-140	4	25
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*10.4*		µg/kg wet		*13.3*		*78*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [:	*10.4*		µg/kg wet		*13.3*		*78*	*30-150*		
Duplicate (9010861-DUP1) **Source: SA89735-01**										
Prepared: 15-Jan-09 Analyzed: 17-Jan-09										
2,4,5-T	BRL		µg/kg dry	6.70		BRL				30
2,4,5-T [2C]	BRL		µg/kg dry	6.70		BRL				30
2,4,5-TP (Silvex)	BRL		µg/kg dry	6.70		BRL				30
2,4,5-TP (Silvex) [2C]	BRL		µg/kg dry	6.70		BRL				30
2,4-D	BRL		µg/kg dry	6.70		BRL				30
2,4-D [2C]	BRL		µg/kg dry	6.70		BRL				30
2,4-DB	BRL		µg/kg dry	6.70		BRL				30
2,4-DB [2C]	BRL		µg/kg dry	6.70		BRL				30
Dalapon	BRL		µg/kg dry	6.70		BRL				30
Dalapon [2C]	BRL		µg/kg dry	6.70		BRL				30
Dicamba	BRL		µg/kg dry	6.70		BRL				30
Dicamba [2C]	BRL		µg/kg dry	6.70		BRL				30

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010861 - SW846 3550B										
Duplicate (9010861-DUP1) **Source: SA89735-01**										
Prepared: 15-Jan-09 Analyzed: 17-Jan-09										
Dichlorprop	BRL		µg/kg dry	6.70		BRL				30
Dichlorprop [2C]	BRL		µg/kg dry	6.70		BRL				30
Dinoseb	BRL		µg/kg dry	6.70		BRL				30
Dinoseb [2C]	BRL		µg/kg dry	6.70		BRL				30
MCPA	BRL		µg/kg dry	670		BRL				30
MCPA [2C]	BRL		µg/kg dry	670		BRL				30
MCPB	BRL		µg/kg dry	670		BRL				30
MCPB [2C]	BRL		µg/kg dry	670		BRL				30
MCPP	BRL		µg/kg dry	670		BRL				30
MCPP [2C]	BRL		µg/kg dry	670		BRL				30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*15.1*		µg/kg dry		*16.4*		*92*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [:	*12.8*		µg/kg dry		*16.4*		*78*	*30-150*		

Extractable Petroleum Hydrocarbons - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010672 - SW846 3550B										
Blank (9010672-BLK1)										
Prepared: 13-Jan-09 Analyzed: 14-Jan-09										
Gasoline	BRL		mg/kg wet	13.3						
Fuel Oil #2	BRL		mg/kg wet	13.3						
Fuel Oil #4	BRL		mg/kg wet	13.3						
Fuel Oil #6	BRL		mg/kg wet	13.3						
Motor Oil	BRL		mg/kg wet	13.3						
Aviation Fuel	BRL		mg/kg wet	13.3						
Unidentified	BRL		mg/kg wet	13.3						
Other Oil	BRL		mg/kg wet	13.3						
Total Petroleum Hydrocarbons	BRL		mg/kg wet	13.3						
C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg wet	13.3						
Surrogate: 1-Chlorooctadecane	*3.22*		mg/kg wet		*3.33*		*97*	*50-150*		
LCS (9010672-BS1)										
Prepared: 13-Jan-09 Analyzed: 14-Jan-09										
C9-C36 Aliphatic Hydrocarbons	95.3		mg/kg wet	13.3	93.3		102	60-120		
Surrogate: 1-Chlorooctadecane	*3.33*		mg/kg wet		*3.33*		*100*	*50-150*		
Duplicate (9010672-DUP1) **Source: SA89650-03**										
Prepared: 13-Jan-09 Analyzed: 14-Jan-09										
Gasoline	BRL		mg/kg dry	17.0		BRL				50
Fuel Oil #2	BRL		mg/kg dry	17.0		BRL				50
Fuel Oil #4	BRL		mg/kg dry	17.0		BRL				50
Fuel Oil #6	BRL		mg/kg dry	17.0		BRL				50
Motor Oil	BRL		mg/kg dry	17.0		BRL				50
Aviation Fuel	BRL		mg/kg dry	17.0		BRL				50
Unidentified	BRL		mg/kg dry	17.0		BRL				50
Other Oil	BRL		mg/kg dry	17.0		BRL				50
Total Petroleum Hydrocarbons	BRL		mg/kg dry	17.0		BRL				50
C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	17.0		BRL				50
Surrogate: 1-Chlorooctadecane	*2.05*		mg/kg dry		*2.14*		*96*	*50-150*		
Matrix Spike (9010672-MS1) **Source: SA89650-03**										
Prepared: 13-Jan-09 Analyzed: 14-Jan-09										
C9-C36 Aliphatic Hydrocarbons	105		mg/kg dry	16.6	117	BRL	90	50-150		
Surrogate: 1-Chlorooctadecane	*3.68*		mg/kg dry		*4.17*		*88*	*50-150*		
Matrix Spike Dup (9010672-MSD1) **Source: SA89650-03**										
Prepared: 13-Jan-09 Analyzed: 14-Jan-09										
C9-C36 Aliphatic Hydrocarbons	116		mg/kg dry	16.9	119	BRL	97	50-150	8	30
Surrogate: 1-Chlorooctadecane	*4.06*		mg/kg dry		*4.24*		*96*	*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 9010598 - SW846 3050B										
Blank (9010598-BLK1)										
Prepared: 14-Jan-09 Analyzed: 15-Jan-09										
Lead	BRL		mg/kg wet	1.48						
Selenium	BRL		mg/kg wet	1.48						
Cadmium	BRL		mg/kg wet	0.494						
Chromium	BRL		mg/kg wet	0.989						
Arsenic	BRL		mg/kg wet	1.48						
Silver	BRL		mg/kg wet	1.48						
Barium	BRL		mg/kg wet	0.989						
Duplicate (9010598-DUP1) **Source: SA89630-20**										
Prepared: 14-Jan-09 Analyzed: 15-Jan-09										
Lead	3.98		mg/kg dry	1.54		4.03			1	20
Selenium	1.13	J	mg/kg dry	1.54		1.28			12	20
Silver	BRL		mg/kg dry	1.54		BRL				20
Chromium	10.2		mg/kg dry	1.03		10.4			2	20
Arsenic	6.51		mg/kg dry	1.54		7.23			11	20
Cadmium	0.314	J	mg/kg dry	0.514		0.344			9	20
Barium	18.0		mg/kg dry	1.03		19.3			7	20
Matrix Spike (9010598-MS1) **Source: SA89641-01**										
Prepared: 14-Jan-09 Analyzed: 15-Jan-09										
Selenium	160		mg/kg dry	1.91	159	4.27	98	75-125		
Lead	166		mg/kg dry	1.91	159	13.5	96	75-125		
Cadmium	155		mg/kg dry	0.635	159	0.360	97	75-125		
Arsenic	158		mg/kg dry	1.91	159	6.43	95	75-125		
Chromium	187		mg/kg dry	1.27	159	36.4	95	75-125		
Silver	151		mg/kg dry	1.91	159	BRL	95	75-125		
Barium	252		mg/kg dry	1.27	159	103	94	75-125		
Matrix Spike Dup (9010598-MSD1) **Source: SA89641-01**										
Prepared: 14-Jan-09 Analyzed: 15-Jan-09										
Lead	164		mg/kg dry	1.90	159	13.5	95	75-125	2	20
Selenium	157		mg/kg dry	1.90	159	4.27	96	75-125	2	20
Chromium	184		mg/kg dry	1.27	159	36.4	93	75-125	1	20
Cadmium	152		mg/kg dry	0.635	159	0.360	95	75-125	2	20
Arsenic	155		mg/kg dry	1.90	159	6.43	94	75-125	2	20
Silver	148		mg/kg dry	1.90	159	BRL	94	75-125	2	20
Barium	247		mg/kg dry	1.27	159	103	91	75-125	2	20
Post Spike (9010598-PS1) **Source: SA89641-01**										
Prepared: 14-Jan-09 Analyzed: 15-Jan-09										
Lead	156		mg/kg dry	1.76	147	13.5	97	80-120		
Selenium	148		mg/kg dry	1.76	147	4.27	98	80-120		
Chromium	174		mg/kg dry	1.18	147	36.4	93	80-120		
Arsenic	147		mg/kg dry	1.76	147	6.43	96	80-120		
Silver	140		mg/kg dry	1.76	147	BRL	96	80-120		
Cadmium	143		mg/kg dry	0.588	147	0.360	97	80-120		
Barium	230		mg/kg dry	1.18	147	103	86	80-120		
Reference (9010598-SRM1)										
Prepared: 14-Jan-09 Analyzed: 15-Jan-09										
Lead	43.9		mg/kg wet	1.50	44.3		99	78.8-120.9		
Selenium	150		mg/kg wet	1.50	147		102	76.6-123.1		

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

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010598 - SW846 3050B										
Reference (9010598-SRM1)										
Prepared: 14-Jan-09 Analyzed: 15-Jan-09										
Silver	15.1		mg/kg wet	1.50	15.5		97	66.4-133.6		
Chromium	120		mg/kg wet	1.00	122		99	79.7-120.3		
Arsenic	52.8		mg/kg wet	1.50	53.6		99	77.6-123.1		
Cadmium	30.7		mg/kg wet	0.500	31.3		98	80.9-119.3		
Barium	98.0		mg/kg wet	1.00	102		96	79.8-119.7		
Reference (9010598-SRM2)										
Prepared: 14-Jan-09 Analyzed: 15-Jan-09										
Lead	42.7		mg/kg wet	1.50	44.2		97	78.8-120.9		
Selenium	147		mg/kg wet	1.50	147		100	76.6-123.1		
Cadmium	30.1		mg/kg wet	0.500	31.2		97	80.9-119.3		
Chromium	116		mg/kg wet	1.00	121		96	79.7-120.3		
Arsenic	52.6		mg/kg wet	1.50	53.4		98	77.6-123.1		
Silver	15.3		mg/kg wet	1.50	15.5		99	66.4-133.6		
Barium	105		mg/kg wet	1.00	102		103	79.8-119.7		
Batch 9010600 - EPA200/SW7000 Series										
Blank (9010600-BLK1)										
Prepared: 13-Jan-09 Analyzed: 15-Jan-09										
Mercury	BRL		mg/kg wet	0.0278						
Duplicate (9010600-DUP1) **Source: SA89630-20**										
Prepared: 13-Jan-09 Analyzed: 15-Jan-09										
Mercury	BRL		mg/kg dry	0.0316		BRL				20
Matrix Spike (9010600-MS1) **Source: SA89641-01**										
Prepared: 13-Jan-09 Analyzed: 15-Jan-09										
Mercury	0.668		mg/kg dry	0.0372	0.516	0.0927	111	75-125		
Matrix Spike Dup (9010600-MSD1) **Source: SA89641-01**										
Prepared: 13-Jan-09 Analyzed: 15-Jan-09										
Mercury	0.693		mg/kg dry	0.0389	0.540	0.0927	111	75-125	4	20
Post Spike (9010600-PS1) **Source: SA89641-01**										
Prepared: 13-Jan-09 Analyzed: 15-Jan-09										
Mercury	0.629		mg/kg dry	0.0347	0.482	0.0927	111	80-120		
Reference (9010600-SRM1)										
Prepared: 13-Jan-09 Analyzed: 15-Jan-09										
Mercury	2.28		mg/kg wet	0.0300	2.16		105	71.7-128.8		

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

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9020349 - SW846 3050B Mod.										
Blank (9020349-BLK1)										
Prepared & Analyzed: 06-Feb-09										
Lead	BRL		mg/l	0.0075						
LCS (9020349-BS1)										
Prepared & Analyzed: 06-Feb-09										
Lead	1.23		mg/l	0.0075	1.25		98	85-115		
LCS Dup (9020349-BSD1)										
Prepared & Analyzed: 06-Feb-09										
Lead	1.22		mg/l	0.0075	1.25		98	85-115	0.5	20
Duplicate (9020349-DUP1)	**Source: SA89497-05**									
Prepared & Analyzed: 06-Feb-09										
Lead	0.0238		mg/l	0.0075		0.0226			5	20
Matrix Spike (9020349-MS1)	**Source: SA89650-04**									
Prepared & Analyzed: 06-Feb-09										
Lead	1.26		mg/l	0.0075	1.25	0.0076	100	75-125		
Matrix Spike Dup (9020349-MSD1)	**Source: SA89650-04**									
Prepared & Analyzed: 06-Feb-09										
Lead	1.26		mg/l	0.0075	1.25	0.0076	100	75-125	0.08	20
Post Spike (9020349-PS1)	**Source: SA89650-04**									
Prepared & Analyzed: 06-Feb-09										
Lead	1.26		mg/l	0.0075	1.25	0.0076	100	75-125		

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

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9020351 - SW846 3010A										
Blank (9020351-BLK1)										
Prepared & Analyzed: 06-Feb-09										
Arsenic	BRL		mg/l	0.0080						
LCS (9020351-BS1)										
Prepared & Analyzed: 06-Feb-09										
Arsenic	2.40		mg/l	0.0080	2.50		96	85-115		
LCS Dup (9020351-BSD1)										
Prepared & Analyzed: 06-Feb-09										
Arsenic	2.42		mg/l	0.0080	2.50		97	85-115	0.5	20
Duplicate (9020351-DUP1)	**Source: SA90580-01**									
Prepared & Analyzed: 06-Feb-09										
Arsenic	BRL		mg/l	0.0080		BRL				20
Matrix Spike (9020351-MS1)	**Source: SA90569-01**									
Prepared & Analyzed: 06-Feb-09										
Arsenic	2.42		mg/l	0.0080	2.50	BRL	97	75-125		
Matrix Spike Dup (9020351-MSD1)	**Source: SA90569-01**									
Prepared & Analyzed: 06-Feb-09										
Arsenic	2.40		mg/l	0.0080	2.50	BRL	96	75-125	1	20
Post Spike (9020351-PS1)	**Source: SA90569-01**									
Prepared & Analyzed: 06-Feb-09										
Arsenic	2.37		mg/l	0.0080	2.50	BRL	95	75-125		

General Chemistry Parameters - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010819 - General Preparation										
Duplicate (9010819-DUP1)	**Source: SA89603-01**									
Prepared & Analyzed: 14-Jan-09										
% Solids	82.3		%			83.8			2	20

Notes and Definitions

QC2	Analyte out of acceptance range in QC spike but no reportable concentration present in sample.
BRL	Below Reporting Limit - Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference
J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).

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

Interpretation of Total Petroleum Hydrocarbon Report

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

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

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

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

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

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

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

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

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

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

Validated by:
Hanibal C. Tayeh, Ph.D.
Nicole Leja
Rebecca Merz

SA89608 EM

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

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

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

Project Mgr.: David Brassard

Invoice To: DAS # 44236

P.O. No.: _____ RQN: _____

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

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

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

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	VOC 8260	SVOC 8270	CT ETPH	PCB 8082	Herbicides 8151	Total Recoverable Metals	
89608-01	RSB-C43	1/7/09	1030	G	SO	1	3	2			X	X	X	X	X	X	
1 oz	RSB-C44	"	930	G	SO	1	3	2			X	X	X	X	X	X	

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

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

State specific reporting standards: CT

Relinquished by:	Received by:	Date:	Time:
Patrick de Park		1.09	1350
		1/8/09	1520

☐ Fax results when available to (____) _____
☒ E-mail to patrick.depaula@tetratech.com
EDD Format _____
Condition upon receipt: ☐ Iced ☐ Ambient ☐ °C 1.3

SA89608 EM

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

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

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

Project Mgr.: David Brassard

Invoice To: DAS # 44236

P.O. No.: _____ RQN: _____

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

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

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

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic		VOC 8260	SVOC 8270	CT ETPH	PCB 8080	Herbicides 8151	Total RCRA8 Metals	TCLP Pb	SPLP As
89608-01	RSB-C43	1/7/09	1030	G	SO	7	3	2				X	X	X	X	X	X		
↓ 02	RSB-C44	"	930	G	SO	7	3	2				X	X	X	X	X	X	X	X

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

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

State specific reporting standards: CT

ADDED ANALYSIS 2/3/09
See attached

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

Condition upon receipt: ☐ Iced ☐ Ambient ☐ °C 1.3

Relinquished by:	Received by:	Date:	Time:
Patrick de Paula	[signature]	1/09	1310
[signature]	[signature]	1/5/09	1520

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

Report Date:
10-Feb-09 12:48

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

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

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

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SA89544-01	RSB-C45	Soil	06-Jan-09 13:30	07-Jan-09 11:55
SA89544-02	RSB-C46	Soil	06-Jan-09 12:30	07-Jan-09 11:55
SA89544-03	RSB-C47	Soil	06-Jan-09 11:00	07-Jan-09 11:55
SA89544-04	RSB-C48	Soil	06-Jan-09 10:00	07-Jan-09 11:55
SA89544-05	RSB-C49	Soil	06-Jan-09 08:30	07-Jan-09 11:55

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

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

Authorized by:

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

Technical Reviewer's Initial:

Spectrum Analytical holds certification in the State of New York for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of New York does not offer certification for all analytes.
Please note that this report contains 49 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supercedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report is available upon request. This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

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

Please contact the Laboratory or Technical Director at 800-789-9115 with any questions regarding the data contained in this laboratory report.

CASE NARRATIVE:

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

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

SW846 6010B

Laboratory Control Samples:

9010410-SRM2

Analyte out of acceptance range.

Lead

Duplicates:

9010410-DUP1 *Source: SA89539-05*

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

Arsenic

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

Chromium
Lead

SW846 8260B

Samples:

SA89544-02 *RSB-C46*

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

SA89544-05 *RSB-C49*

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

SW846 8270C

Laboratory Control Samples:

9010464-BS1

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

4-Chloroaniline
Aniline

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C45 SA89544-01	127-17797-08011	Soil	06-Jan-09 13:30	07-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	08-Jan-09	08-Jan-09	9010416	
Volatile Organic Compounds					Initial weight: 6.12 g						
Prepared by method SW846 5035A Soil (low level)											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	10.6	1	SW846 8260B	09-Jan-09	09-Jan-09	9010479	X
67-64-1	Acetone	BRL		µg/kg dry	106	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	10.6	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	10.6	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	10.6	1	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	10.6	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	10.6	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	10.6	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	21.2	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	106	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	10.6	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	10.6	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	10.6	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	53.0	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	10.6	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	10.6	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	21.2	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	10.6	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	21.2	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	10.6	1	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	10.6	1	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	21.2	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	10.6	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	10.6	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	10.6	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	10.6	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	10.6	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	10.6	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	21.2	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	10.6	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	10.6	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	10.6	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	10.6	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	10.6	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	10.6	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	10.6	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	10.6	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	10.6	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	10.6	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	10.6	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	10.6	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	10.6	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	106	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	10.6	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	10.6	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	10.6	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	106	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	106	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	10.6	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C45 SA89544-01	127-17797-08011	Soil	06-Jan-09 13:30	07-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
Volatile Organic Compounds											
Prepared by method SW846 5035A Soil (low level)						Initial weight: 6.12 g					
103-65-1	n-Propylbenzene	BRL		µg/kg dry	10.6	1	SW846 8260B	09-Jan-09	09-Jan-09	9010479	X
100-42-5	Styrene	BRL		µg/kg dry	10.6	1	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	10.6	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	10.6	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	10.6	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	10.6	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	10.6	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	10.6	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	10.6	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	10.6	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	10.6	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	10.6	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	10.6	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	10.6	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	10.6	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	10.6	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	10.6	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	21.2	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	10.6	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	106	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	10.6	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	10.6	1	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	10.6	1	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	10.6	1	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	106	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	212	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	53.0	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	4240	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*85*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*90*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*115*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*102*		*70-130 %*			"	"	"	"	
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
83-32-9	Acenaphthene	BRL		µg/kg dry	281	1	SW846 8270C	09-Jan-09	13-Jan-09	9010464	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	281	1	"	"	"	"	X
62-53-3	Aniline	BRL		µg/kg dry	281	1	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	281	1	"	"	"	"	X
1912-24-9	Atrazine	BRL		µg/kg dry	281	1	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/kg dry	281	1	"	"	"	"	
92-87-5	Benzidine	BRL		µg/kg dry	281	1	"	"	"	"	X
56-55-3	Benzo (a) anthracene	496		µg/kg dry	281	1	"	"	"	"	X
50-32-8	Benzo (a) pyrene	381		µg/kg dry	281	1	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	561		µg/kg dry	281	1	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	281	1	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	409		µg/kg dry	281	1	"	"	"	"	X
65-85-0	Benzoic acid	BRL		µg/kg dry	281	1	"	"	"	"	X
100-51-6	Benzyl alcohol	BRL		µg/kg dry	281	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C45 SA89544-01	127-17797-08011	Soil	06-Jan-09 13:30	07-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
111-91-1	Bis(2-chloroethoxy)methane	BRL		µg/kg dry	281	1	SW846 8270C	09-Jan-09	13-Jan-09	9010464	X
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/kg dry	281	1	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	281	1	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	281	1	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/kg dry	281	1	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	BRL		µg/kg dry	281	1	"	"	"	"	X
86-74-8	Carbazole	BRL		µg/kg dry	281	1	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	BRL		µg/kg dry	281	1	"	"	"	"	X
106-47-8	4-Chloroaniline	BRL		µg/kg dry	281	1	"	"	"	"	X
91-58-7	2-Chloronaphthalene	BRL		µg/kg dry	281	1	"	"	"	"	X
95-57-8	2-Chlorophenol	BRL		µg/kg dry	281	1	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/kg dry	281	1	"	"	"	"	X
218-01-9	Chrysene	567		µg/kg dry	281	1	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	281	1	"	"	"	"	X
132-64-9	Dibenzofuran	BRL		µg/kg dry	281	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	281	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	281	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	281	1	"	"	"	"	X
91-94-1	3,3'-Dichlorobenzidine	BRL		µg/kg dry	281	1	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	BRL		µg/kg dry	281	1	"	"	"	"	X
84-66-2	Diethyl phthalate	BRL		µg/kg dry	281	1	"	"	"	"	X
131-11-3	Dimethyl phthalate	BRL		µg/kg dry	281	1	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	BRL		µg/kg dry	281	1	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	BRL		µg/kg dry	281	1	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	281	1	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	BRL		µg/kg dry	281	1	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	BRL		µg/kg dry	281	1	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	BRL		µg/kg dry	281	1	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	BRL		µg/kg dry	281	1	"	"	"	"	X
206-44-0	Fluoranthene	681		µg/kg dry	281	1	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	281	1	"	"	"	"	X
118-74-1	Hexachlorobenzene	BRL		µg/kg dry	281	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	281	1	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	BRL		µg/kg dry	281	1	"	"	"	"	X
67-72-1	Hexachloroethane	BRL		µg/kg dry	281	1	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	290		µg/kg dry	281	1	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	281	1	"	"	"	"	
78-59-1	Isophorone	BRL		µg/kg dry	281	1	"	"	"	"	X
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	281	1	"	"	"	"	X
95-48-7	2-Methylphenol	BRL		µg/kg dry	281	1	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	BRL		µg/kg dry	281	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	281	1	"	"	"	"	X
88-74-4	2-Nitroaniline	BRL		µg/kg dry	281	1	"	"	"	"	X
99-09-2	3-Nitroaniline	BRL		µg/kg dry	281	1	"	"	"	"	X
100-01-6	4-Nitroaniline	BRL		µg/kg dry	1120	1	"	"	"	"	X
98-95-3	Nitrobenzene	BRL		µg/kg dry	281	1	"	"	"	"	X
88-75-5	2-Nitrophenol	BRL		µg/kg dry	281	1	"	"	"	"	X
100-02-7	4-Nitrophenol	BRL		µg/kg dry	1120	1	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	BRL		µg/kg dry	281	1	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/kg dry	281	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C45	127-17797-08011	Soil	06-Jan-09 13:30	07-Jan-09
SA89544-01				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
86-30-6	N-Nitrosodiphenylamine	BRL		µg/kg dry	281	1	SW846 8270C	09-Jan-09	13-Jan-09	9010464	X
87-86-5	Pentachlorophenol	BRL		µg/kg dry	281	1	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	281	1	"	"	"	"	X
108-95-2	Phenol	BRL		µg/kg dry	281	1	"	"	"	"	X
129-00-0	Pyrene	747		µg/kg dry	281	1	"	"	"	"	X
110-86-1	Pyridine	BRL		µg/kg dry	281	1	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	281	1	"	"	"	"	X
95-95-4	2,4,5-Trichlorophenol	BRL		µg/kg dry	281	1	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	BRL		µg/kg dry	281	1	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	BRL		µg/kg dry	281	1	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	281	1	"	"	"	"	X
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*67*		*30-130 %*			"	"	"	"	
367-12-4	*2-Fluorophenol*	*65*		*15-110 %*			"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*63*		*30-130 %*			"	"	"	"	
4165-62-2	*Phenol-d5*	*62*		*15-110 %*			"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*76*		*30-130 %*			"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*74*		*15-110 %*			"	"	"	"	
Semivolatile Organic Compounds by GC											
Polychlorinated Biphenyls by SW846 8082											
Prepared by method SW846 3545A											
12674-11-2	PCB 1016	BRL		µg/kg dry	32.4	1	SW846 8082	09-Jan-09	10-Jan-09	9010461	X
11104-28-2	PCB 1221	BRL		µg/kg dry	32.4	1	"	"	"	"	X
11141-16-5	PCB 1232	BRL		µg/kg dry	32.4	1	"	"	"	"	X
53469-21-9	PCB 1242	BRL		µg/kg dry	32.4	1	"	"	"	"	X
12672-29-6	PCB 1248	BRL		µg/kg dry	32.4	1	"	"	"	"	X
11097-69-1	PCB 1254	BRL		µg/kg dry	32.4	1	"	"	"	"	X
11096-82-5	PCB 1260	BRL		µg/kg dry	32.4	1	"	"	"	"	X
37324-23-5	PCB 1262	BRL		µg/kg dry	32.4	1	"	"	"	"	X
11100-14-4	PCB 1268	BRL		µg/kg dry	32.4	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*56*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*66*		*30-150 %*			"	"	"	"	
Chlorinated Herbicides by SW846 8151A											
Prepared by method SW846 3550B											
93-76-5	2,4,5-T	BRL		µg/kg dry	6.70	1	SW846 8151A	09-Jan-09	13-Jan-09	9010470	X
93-72-1	2,4,5-TP (Silvex)	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-75-7	2,4-D	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-82-6	2,4-DB	BRL		µg/kg dry	6.70	1	"	"	"	"	X
75-99-0	Dalapon	BRL		µg/kg dry	6.70	1	"	"	"	"	X
1918-00-9	Dicamba	BRL		µg/kg dry	6.70	1	"	"	"	"	X
120-36-5	Dichlorprop	BRL		µg/kg dry	6.70	1	"	"	"	"	X
88-85-7	Dinoseb	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-74-6	MCPA	BRL		µg/kg dry	670	1	"	"	"	"	X
94-81-5	MCPB	BRL		µg/kg dry	670	1	"	"	"	"	
93-65-2	MCPP	BRL		µg/kg dry	670	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*112*		*30-150 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											

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

* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C45 SA89544-01	127-17797-08011	Soil	06-Jan-09 13:30	07-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3550B											
8006-61-9	Gasoline	BRL		mg/kg dry	22.7	1	+CT ETPH	09-Jan-09	12-Jan-09	9010462	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	22.7	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	22.7	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	22.7	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	22.7	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	22.7	1	"	"	"	"	
	Unidentified	74.0		mg/kg dry	22.7	1	"	"	"	"	
	Other Oil	Calculated as		mg/kg dry	22.7	1	"	"	"	"	
	Total Petroleum Hydrocarbons	74.0		mg/kg dry	22.7	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	74.0		mg/kg dry	22.7	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	97		*50-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	BRL		mg/kg dry	2.28	1	SW846 6010B	08-Jan-09	09-Jan-09	9010410	X
7440-38-2	Arsenic	130		mg/kg dry	2.28	1	"	"	"	"	X
7440-39-3	Barium	99.3		mg/kg dry	1.52	1	"	"	"	"	X
7440-43-9	Cadmium	BRL		mg/kg dry	0.759	1	"	"	"	"	X
7440-47-3	Chromium	12.6		mg/kg dry	1.52	1	"	"	"	"	X
7439-97-6	Mercury	0.104		mg/kg dry	0.0477	1	SW846 7471A	"	14-Jan-09	9010411	X
7439-92-1	Lead	139		mg/kg dry	2.28	1	SW846 6010B	"	09-Jan-09	9010410	X
7782-49-2	Selenium	2.88		mg/kg dry	2.28	1	"	"	"	"	X
TCLP Metals by EPA 1311 & 6000/7000 Series Methods											
	TCLP Extraction	Completed		N/A		1	SW846 1311	03-Feb-09	03-Feb-09	9020220	X
7440-38-2	Arsenic	BRL		mg/l	0.0080	1	SW846 1311/6010B	05-Feb-09	05-Feb-09	9020245	X
7439-92-1	Lead	BRL		mg/l	0.0150	1	"	"	"	"	X
SPLP Metals by EPA 1312 & 6000/7000 Series Methods											
	SPLP Extraction	Completed		N/A		1	SW846 1312	19-Jan-09	19-Jan-09	9011115	
7440-38-2	Arsenic	BRL		mg/l	0.0080	1	SW846 1312/6010B	20-Jan-09	20-Jan-09	9011167	
7440-47-3	Chromium	BRL		mg/l	0.0100	1	"	"	"	"	
7439-92-1	Lead	BRL		mg/l	0.0150	1	"	"	"	"	
General Chemistry Parameters											
	% Solids	58.3		%		1	SM2540 G Mod.	08-Jan-09	08-Jan-09	9010422	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C46	127-17797-08011	Soil	06-Jan-09 12:30	07-Jan-09
SA89544-02				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	08-Jan-09	08-Jan-09	9010416	
Volatile Organic Compounds			VC10								
Prepared by method SW846 5035A Soil (low level)					Initial weight: 6.91 g						
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	6.6	1	SW846 8260B	09-Jan-09	09-Jan-09	9010479	X
67-64-1	Acetone	BRL		µg/kg dry	66.1	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	6.6	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	6.6	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	6.6	1	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	6.6	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	6.6	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	6.6	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	13.2	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	66.1	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	6.6	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	6.6	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	6.6	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	33.0	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	6.6	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	6.6	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	13.2	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	6.6	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	13.2	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	6.6	1	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	6.6	1	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	13.2	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	6.6	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	6.6	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	6.6	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	6.6	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	6.6	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	6.6	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	13.2	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	6.6	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	6.6	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	6.6	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	6.6	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	6.6	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	6.6	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	6.6	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	6.6	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	6.6	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	6.6	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	6.6	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	6.6	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	6.6	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	66.1	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	6.6	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	6.6	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	6.6	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	66.1	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	66.1	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	6.6	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C46 SA89544-02	127-17797-08011	Soil	06-Jan-09 12:30	07-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
Volatile Organic Compounds			VC10			Initial weight: 6.91 g					
Prepared by method SW846 5035A Soil (low level)											
103-65-1	n-Propylbenzene	BRL		µg/kg dry	6.6	1	SW846 8260B	09-Jan-09	09-Jan-09	9010479	X
100-42-5	Styrene	BRL		µg/kg dry	6.6	1	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	6.6	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	6.6	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	6.6	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	6.6	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	6.6	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	6.6	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	6.6	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	6.6	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	6.6	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	6.6	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	6.6	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	6.6	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	6.6	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	6.6	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	6.6	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	13.2	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	6.6	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	66.1	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	6.6	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	6.6	1	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	6.6	1	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	6.6	1	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	66.1	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	132	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	33.0	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	2640	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*84*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*91*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*112*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*102*		*70-130 %*			"	"	"	"	
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
83-32-9	Acenaphthene	BRL		µg/kg dry	441	1	SW846 8270C	09-Jan-09	12-Jan-09	9010464	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	441	1	"	"	"	"	X
62-53-3	Aniline	BRL		µg/kg dry	441	1	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	441	1	"	"	"	"	X
1912-24-9	Atrazine	BRL		µg/kg dry	441	1	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/kg dry	441	1	"	"	"	"	
92-87-5	Benzidine	BRL		µg/kg dry	441	1	"	"	"	"	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	441	1	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	441	1	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	441	1	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	441	1	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	441	1	"	"	"	"	X
65-85-0	Benzoic acid	BRL		µg/kg dry	441	1	"	"	"	"	X
100-51-6	Benzyl alcohol	BRL		µg/kg dry	441	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C46	127-17797-08011	Soil	06-Jan-09 12:30	07-Jan-09
SA89544-02				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
111-91-1	Bis(2-chloroethoxy)methane	BRL		µg/kg dry	441	1	SW846 8270C	09-Jan-09	12-Jan-09	9010464	X
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/kg dry	441	1	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	441	1	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	441	1	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/kg dry	441	1	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	BRL		µg/kg dry	441	1	"	"	"	"	X
86-74-8	Carbazole	BRL		µg/kg dry	441	1	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	BRL		µg/kg dry	441	1	"	"	"	"	X
106-47-8	4-Chloroaniline	BRL		µg/kg dry	441	1	"	"	"	"	X
91-58-7	2-Chloronaphthalene	BRL		µg/kg dry	441	1	"	"	"	"	X
95-57-8	2-Chlorophenol	BRL		µg/kg dry	441	1	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/kg dry	441	1	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	441	1	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	441	1	"	"	"	"	X
132-64-9	Dibenzofuran	BRL		µg/kg dry	441	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	441	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	441	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	441	1	"	"	"	"	X
91-94-1	3,3'-Dichlorobenzidine	BRL		µg/kg dry	441	1	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	BRL		µg/kg dry	441	1	"	"	"	"	X
84-66-2	Diethyl phthalate	BRL		µg/kg dry	441	1	"	"	"	"	X
131-11-3	Dimethyl phthalate	BRL		µg/kg dry	441	1	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	BRL		µg/kg dry	441	1	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	BRL		µg/kg dry	441	1	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	441	1	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	BRL		µg/kg dry	441	1	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	BRL		µg/kg dry	441	1	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	BRL		µg/kg dry	441	1	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	BRL		µg/kg dry	441	1	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	441	1	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	441	1	"	"	"	"	X
118-74-1	Hexachlorobenzene	BRL		µg/kg dry	441	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	441	1	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	BRL		µg/kg dry	441	1	"	"	"	"	X
67-72-1	Hexachloroethane	BRL		µg/kg dry	441	1	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	441	1	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	441	1	"	"	"	"	
78-59-1	Isophorone	BRL		µg/kg dry	441	1	"	"	"	"	X
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	441	1	"	"	"	"	X
95-48-7	2-Methylphenol	BRL		µg/kg dry	441	1	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	BRL		µg/kg dry	441	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	441	1	"	"	"	"	X
88-74-4	2-Nitroaniline	BRL		µg/kg dry	441	1	"	"	"	"	X
99-09-2	3-Nitroaniline	BRL		µg/kg dry	441	1	"	"	"	"	X
100-01-6	4-Nitroaniline	BRL		µg/kg dry	1760	1	"	"	"	"	X
98-95-3	Nitrobenzene	BRL		µg/kg dry	441	1	"	"	"	"	X
88-75-5	2-Nitrophenol	BRL		µg/kg dry	441	1	"	"	"	"	X
100-02-7	4-Nitrophenol	BRL		µg/kg dry	1760	1	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	BRL		µg/kg dry	441	1	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/kg dry	441	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C46 SA89544-02	127-17797-08011	Soil	06-Jan-09 12:30	07-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
86-30-6	N-Nitrosodiphenylamine	BRL		µg/kg dry	441	1	SW846 8270C	09-Jan-09	12-Jan-09	9010464	X
87-86-5	Pentachlorophenol	BRL		µg/kg dry	441	1	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	441	1	"	"	"	"	X
108-95-2	Phenol	BRL		µg/kg dry	441	1	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	441	1	"	"	"	"	X
110-86-1	Pyridine	BRL		µg/kg dry	441	1	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	441	1	"	"	"	"	X
95-95-4	2,4,5-Trichlorophenol	BRL		µg/kg dry	441	1	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	BRL		µg/kg dry	441	1	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	BRL		µg/kg dry	441	1	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	441	1	"	"	"	"	X
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*82*		*30-130 %*			"	"	"	"	
367-12-4	*2-Fluorophenol*	*92*		*15-110 %*			"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*84*		*30-130 %*			"	"	"	"	
4165-62-2	*Phenol-d5*	*79*		*15-110 %*			"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*116*		*30-130 %*			"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*83*		*15-110 %*			"	"	"	"	
Semivolatile Organic Compounds by GC											
Polychlorinated Biphenyls by SW846 8082											
Prepared by method SW846 3545A											
12674-11-2	PCB 1016	BRL		µg/kg dry	25.2	1	SW846 8082	09-Jan-09	10-Jan-09	9010461	X
11104-28-2	PCB 1221	BRL		µg/kg dry	25.2	1	"	"	"	"	X
11141-16-5	PCB 1232	BRL		µg/kg dry	25.2	1	"	"	"	"	X
53469-21-9	PCB 1242	BRL		µg/kg dry	25.2	1	"	"	"	"	X
12672-29-6	PCB 1248	BRL		µg/kg dry	25.2	1	"	"	"	"	X
11097-69-1	PCB 1254	BRL		µg/kg dry	25.2	1	"	"	"	"	X
11096-82-5	PCB 1260	BRL		µg/kg dry	25.2	1	"	"	"	"	X
37324-23-5	PCB 1262	BRL		µg/kg dry	25.2	1	"	"	"	"	X
11100-14-4	PCB 1268	BRL		µg/kg dry	25.2	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*75*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*76*		*30-150 %*			"	"	"	"	
Chlorinated Herbicides by SW846 8151A											
Prepared by method SW846 3550B											
93-76-5	2,4,5-T	BRL		µg/kg dry	6.70	1	SW846 8151A	09-Jan-09	13-Jan-09	9010470	X
93-72-1	2,4,5-TP (Silvex)	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-75-7	2,4-D	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-82-6	2,4-DB	BRL		µg/kg dry	6.70	1	"	"	"	"	X
75-99-0	Dalapon	BRL		µg/kg dry	6.70	1	"	"	"	"	X
1918-00-9	Dicamba	BRL		µg/kg dry	6.70	1	"	"	"	"	X
120-36-5	Dichlorprop	BRL		µg/kg dry	6.70	1	"	"	"	"	X
88-85-7	Dinoseb	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-74-6	MCPA	BRL		µg/kg dry	670	1	"	"	"	"	X
94-81-5	MCPB	BRL		µg/kg dry	670	1	"	"	"	"	
93-65-2	MCPP	BRL		µg/kg dry	670	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*104*		*30-150 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C46 SA89544-02	127-17797-08011	Soil	06-Jan-09 12:30	07-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3550B											
8006-61-9	Gasoline	BRL		mg/kg dry	17.8	1	+CT ETPH	09-Jan-09	12-Jan-09	9010462	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	17.8	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	17.8	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	17.8	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	17.8	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	17.8	1	"	"	"	"	
	Unidentified	BRL		mg/kg dry	17.8	1	"	"	"	"	
	Other Oil	BRL		mg/kg dry	17.8	1	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL		mg/kg dry	17.8	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	17.8	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*95*		*50-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	BRL		mg/kg dry	1.85	1	SW846 6010B	08-Jan-09	09-Jan-09	9010410	X
7440-38-2	Arsenic	BRL		mg/kg dry	1.85	1	"	"	"	"	X
7440-39-3	Barium	31.4		mg/kg dry	1.23	1	"	"	"	"	X
7440-43-9	Cadmium	BRL		mg/kg dry	0.615	1	"	"	"	"	X
7440-47-3	Chromium	12.2		mg/kg dry	1.23	1	"	"	"	"	X
7439-97-6	Mercury	BRL		mg/kg dry	0.0373	1	SW846 7471A	"	14-Jan-09	9010411	X
7439-92-1	Lead	6.47		mg/kg dry	1.85	1	SW846 6010B	"	09-Jan-09	9010410	X
7782-49-2	Selenium	BRL		mg/kg dry	1.85	1	"	"	"	"	X
General Chemistry Parameters											
	% Solids	74.2		%		1	SM2540 G Mod.	08-Jan-09	08-Jan-09	9010422	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C47 SA89544-03	127-17797-08011	Soil	06-Jan-09 11:00	07-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	08-Jan-09	08-Jan-09	9010416	
Volatile Organic Compounds						Initial weight: 5.99 g					
Prepared by method SW846 5035A Soil (low level)											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	9.3	1	SW846 8260B	09-Jan-09	09-Jan-09	9010479	X
67-64-1	Acetone	BRL		µg/kg dry	93.0	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	9.3	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	9.3	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	9.3	1	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	9.3	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	9.3	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	9.3	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	18.6	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	93.0	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	9.3	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	9.3	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	9.3	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	46.5	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	9.3	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	9.3	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	18.6	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	9.3	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	18.6	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	9.3	1	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	9.3	1	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	18.6	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	9.3	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	9.3	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	9.3	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	9.3	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	9.3	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	9.3	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	18.6	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	9.3	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	9.3	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	9.3	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	9.3	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	9.3	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	9.3	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	9.3	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	9.3	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	9.3	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	9.3	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	9.3	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	9.3	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	9.3	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	93.0	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	9.3	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	9.3	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	9.3	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	93.0	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	93.0	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	9.3	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C47 SA89544-03	127-17797-08011	Soil	06-Jan-09 11:00	07-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
Volatile Organic Compounds											
Prepared by method SW846 5035A Soil (low level)					Initial weight: 5.99 g						
103-65-1	n-Propylbenzene	BRL		µg/kg dry	9.3	1	SW846 8260B	09-Jan-09	09-Jan-09	9010479	X
100-42-5	Styrene	BRL		µg/kg dry	9.3	1	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	9.3	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	9.3	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	9.3	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	9.3	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	9.3	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	9.3	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	9.3	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	9.3	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	9.3	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	9.3	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	9.3	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	9.3	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	9.3	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	9.3	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	9.3	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	18.6	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	9.3	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	93.0	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	9.3	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	9.3	1	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	9.3	1	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	9.3	1	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	93.0	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	186	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	46.5	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	3720	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*86*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*91*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*113*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*103*		*70-130 %*			"	"	"	"	
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
83-32-9	Acenaphthene	BRL		µg/kg dry	510	1	SW846 8270C	09-Jan-09	10-Jan-09	9010464	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	510	1	"	"	"	"	X
62-53-3	Aniline	BRL		µg/kg dry	510	1	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	510	1	"	"	"	"	X
1912-24-9	Atrazine	BRL		µg/kg dry	510	1	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/kg dry	510	1	"	"	"	"	
92-87-5	Benzidine	BRL		µg/kg dry	510	1	"	"	"	"	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	510	1	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	510	1	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	510	1	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	510	1	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	510	1	"	"	"	"	X
65-85-0	Benzoic acid	BRL		µg/kg dry	510	1	"	"	"	"	X
100-51-6	Benzyl alcohol	BRL		µg/kg dry	510	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C47 SA89544-03	127-17797-08011	Soil	06-Jan-09 11:00	07-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
111-91-1	Bis(2-chloroethoxy)methane	BRL		µg/kg dry	510	1	SW846 8270C	09-Jan-09	10-Jan-09	9010464	X
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/kg dry	510	1	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	510	1	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	510	1	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/kg dry	510	1	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	BRL		µg/kg dry	510	1	"	"	"	"	X
86-74-8	Carbazole	BRL		µg/kg dry	510	1	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	BRL		µg/kg dry	510	1	"	"	"	"	X
106-47-8	4-Chloroaniline	BRL		µg/kg dry	510	1	"	"	"	"	X
91-58-7	2-Chloronaphthalene	BRL		µg/kg dry	510	1	"	"	"	"	X
95-57-8	2-Chlorophenol	BRL		µg/kg dry	510	1	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/kg dry	510	1	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	510	1	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	510	1	"	"	"	"	X
132-64-9	Dibenzofuran	BRL		µg/kg dry	510	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	510	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	510	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	510	1	"	"	"	"	X
91-94-1	3,3'-Dichlorobenzidine	BRL		µg/kg dry	510	1	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	BRL		µg/kg dry	510	1	"	"	"	"	X
84-66-2	Diethyl phthalate	BRL		µg/kg dry	510	1	"	"	"	"	X
131-11-3	Dimethyl phthalate	BRL		µg/kg dry	510	1	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	BRL		µg/kg dry	510	1	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	BRL		µg/kg dry	510	1	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	510	1	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	BRL		µg/kg dry	510	1	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	BRL		µg/kg dry	510	1	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	BRL		µg/kg dry	510	1	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	BRL		µg/kg dry	510	1	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	510	1	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	510	1	"	"	"	"	X
118-74-1	Hexachlorobenzene	BRL		µg/kg dry	510	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	510	1	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	BRL		µg/kg dry	510	1	"	"	"	"	X
67-72-1	Hexachloroethane	BRL		µg/kg dry	510	1	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	510	1	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	510	1	"	"	"	"	
78-59-1	Isophorone	BRL		µg/kg dry	510	1	"	"	"	"	X
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	510	1	"	"	"	"	X
95-48-7	2-Methylphenol	BRL		µg/kg dry	510	1	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	BRL		µg/kg dry	510	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	510	1	"	"	"	"	X
88-74-4	2-Nitroaniline	BRL		µg/kg dry	510	1	"	"	"	"	X
99-09-2	3-Nitroaniline	BRL		µg/kg dry	510	1	"	"	"	"	X
100-01-6	4-Nitroaniline	BRL		µg/kg dry	2040	1	"	"	"	"	X
98-95-3	Nitrobenzene	BRL		µg/kg dry	510	1	"	"	"	"	X
88-75-5	2-Nitrophenol	BRL		µg/kg dry	510	1	"	"	"	"	X
100-02-7	4-Nitrophenol	BRL		µg/kg dry	2040	1	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	BRL		µg/kg dry	510	1	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/kg dry	510	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C47	127-17797-08011	Soil	06-Jan-09 11:00	07-Jan-09
SA89544-03				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
86-30-6	N-Nitrosodiphenylamine	BRL		µg/kg dry	510	1	SW846 8270C	09-Jan-09	10-Jan-09	9010464	X
87-86-5	Pentachlorophenol	BRL		µg/kg dry	510	1	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	510	1	"	"	"	"	X
108-95-2	Phenol	BRL		µg/kg dry	510	1	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	510	1	"	"	"	"	X
110-86-1	Pyridine	BRL		µg/kg dry	510	1	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	510	1	"	"	"	"	X
95-95-4	2,4,5-Trichlorophenol	BRL		µg/kg dry	510	1	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	BRL		µg/kg dry	510	1	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	BRL		µg/kg dry	510	1	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	510	1	"	"	"	"	X
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*79*		*30-130 %*			"	"	"	"	
367-12-4	*2-Fluorophenol*	*86*		*15-110 %*			"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*77*		*30-130 %*			"	"	"	"	
4165-62-2	*Phenol-d5*	*77*		*15-110 %*			"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*91*		*30-130 %*			"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*85*		*15-110 %*			"	"	"	"	
Semivolatile Organic Compounds by GC											
Polychlorinated Biphenyls by SW846 8082											
Prepared by method SW846 3545A											
12674-11-2	PCB 1016	BRL		µg/kg dry	29.5	1	SW846 8082	09-Jan-09	10-Jan-09	9010461	X
11104-28-2	PCB 1221	BRL		µg/kg dry	29.5	1	"	"	"	"	X
11141-16-5	PCB 1232	BRL		µg/kg dry	29.5	1	"	"	"	"	X
53469-21-9	PCB 1242	BRL		µg/kg dry	29.5	1	"	"	"	"	X
12672-29-6	PCB 1248	BRL		µg/kg dry	29.5	1	"	"	"	"	X
11097-69-1	PCB 1254	BRL		µg/kg dry	29.5	1	"	"	"	"	X
11096-82-5	PCB 1260	BRL		µg/kg dry	29.5	1	"	"	"	"	X
37324-23-5	PCB 1262	BRL		µg/kg dry	29.5	1	"	"	"	"	X
11100-14-4	PCB 1268	BRL		µg/kg dry	29.5	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*73*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*77*		*30-150 %*			"	"	"	"	
Chlorinated Herbicides by SW846 8151A											
Prepared by method SW846 3550B											
93-76-5	2,4,5-T	BRL		µg/kg dry	6.70	1	SW846 8151A	09-Jan-09	13-Jan-09	9010470	X
93-72-1	2,4,5-TP (Silvex)	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-75-7	2,4-D	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-82-6	2,4-DB	BRL		µg/kg dry	6.70	1	"	"	"	"	X
75-99-0	Dalapon	BRL		µg/kg dry	6.70	1	"	"	"	"	X
1918-00-9	Dicamba	BRL		µg/kg dry	6.70	1	"	"	"	"	X
120-36-5	Dichlorprop	BRL		µg/kg dry	6.70	1	"	"	"	"	X
88-85-7	Dinoseb	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-74-6	MCPA	BRL		µg/kg dry	670	1	"	"	"	"	X
94-81-5	MCPB	BRL		µg/kg dry	670	1	"	"	"	"	
93-65-2	MCPP	BRL		µg/kg dry	670	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*120*		*30-150 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C47 SA89544-03	127-17797-08011	Soil	06-Jan-09 11:00	07-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3550B											
8006-61-9	Gasoline	BRL		mg/kg dry	20.6	1	+CT ETPH	09-Jan-09	12-Jan-09	9010462	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	20.6	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	20.6	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	20.6	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	20.6	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	20.6	1	"	"	"	"	
	Unidentified	BRL		mg/kg dry	20.6	1	"	"	"	"	
	Other Oil	BRL		mg/kg dry	20.6	1	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL		mg/kg dry	20.6	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	20.6	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*93*		*50-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	BRL		mg/kg dry	2.11	1	SW846 6010B	08-Jan-09	09-Jan-09	9010410	X
7440-38-2	Arsenic	2.13		mg/kg dry	2.11	1	"	"	"	"	X
7440-39-3	Barium	80.2		mg/kg dry	1.41	1	"	"	"	"	X
7440-43-9	Cadmium	BRL		mg/kg dry	0.704	1	"	"	"	"	X
7440-47-3	Chromium	22.5		mg/kg dry	1.41	1	"	"	"	"	X
7439-97-6	Mercury	BRL		mg/kg dry	0.0432	1	SW846 7471A	"	14-Jan-09	9010411	X
7439-92-1	Lead	9.40		mg/kg dry	2.11	1	SW846 6010B	"	09-Jan-09	9010410	X
7782-49-2	Selenium	3.93		mg/kg dry	2.11	1	"	"	"	"	X
General Chemistry Parameters											
	% Solids	64.2		%		1	SM2540 G Mod.	08-Jan-09	08-Jan-09	9010422	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C48 SA89544-04	127-17797-08011	Soil	06-Jan-09 10:00	07-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	08-Jan-09	08-Jan-09	9010416	
Volatile Organic Compounds						Initial weight: 6.07 g					
Prepared by method SW846 5035A Soil (low level)											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	6.9	1	SW846 8260B	09-Jan-09	09-Jan-09	9010479	X
67-64-1	Acetone	BRL		µg/kg dry	69.1	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	6.9	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	6.9	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	6.9	1	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	6.9	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	6.9	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	6.9	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	13.8	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	69.1	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	6.9	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	6.9	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	6.9	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	34.5	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	6.9	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	6.9	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	13.8	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	6.9	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	13.8	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	6.9	1	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	6.9	1	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	13.8	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	6.9	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	6.9	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	6.9	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	6.9	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	6.9	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	6.9	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	13.8	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	6.9	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	6.9	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	6.9	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	6.9	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	6.9	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	6.9	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	6.9	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	6.9	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	6.9	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	6.9	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	6.9	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	6.9	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	6.9	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	69.1	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	6.9	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	6.9	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	6.9	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	69.1	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	69.1	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	6.9	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C48 SA89544-04	127-17797-08011	Soil	06-Jan-09 10:00	07-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
Volatile Organic Compounds						Initial weight: 6.07 g					
Prepared by method SW846 5035A Soil (low level)											
103-65-1	n-Propylbenzene	BRL		µg/kg dry	6.9	1	SW846 8260B	09-Jan-09	09-Jan-09	9010479	X
100-42-5	Styrene	BRL		µg/kg dry	6.9	1	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	6.9	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	6.9	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	6.9	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	6.9	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	6.9	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	6.9	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	6.9	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	6.9	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	6.9	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	6.9	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	6.9	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	6.9	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	6.9	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	6.9	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	6.9	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	13.8	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	6.9	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	69.1	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	6.9	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	6.9	1	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	6.9	1	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	6.9	1	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	69.1	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	138	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	34.5	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	2760	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*82*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*91*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*117*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*104*		*70-130 %*			"	"	"	"	
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
83-32-9	Acenaphthene	BRL		µg/kg dry	423	1	SW846 8270C	09-Jan-09	12-Jan-09	9010464	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	423	1	"	"	"	"	X
62-53-3	Aniline	BRL		µg/kg dry	423	1	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	423	1	"	"	"	"	X
1912-24-9	Atrazine	BRL		µg/kg dry	423	1	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/kg dry	423	1	"	"	"	"	
92-87-5	Benzidine	BRL		µg/kg dry	423	1	"	"	"	"	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	423	1	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	423	1	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	423	1	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	423	1	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	423	1	"	"	"	"	X
65-85-0	Benzoic acid	BRL		µg/kg dry	423	1	"	"	"	"	X
100-51-6	Benzyl alcohol	BRL		µg/kg dry	423	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C48	127-17797-08011	Soil	06-Jan-09 10:00	07-Jan-09
SA89544-04				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
111-91-1	Bis(2-chloroethoxy)methane	BRL		µg/kg dry	423	1	SW846 8270C	09-Jan-09	12-Jan-09	9010464	X
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/kg dry	423	1	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	423	1	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	423	1	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/kg dry	423	1	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	BRL		µg/kg dry	423	1	"	"	"	"	X
86-74-8	Carbazole	BRL		µg/kg dry	423	1	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	BRL		µg/kg dry	423	1	"	"	"	"	X
106-47-8	4-Chloroaniline	BRL		µg/kg dry	423	1	"	"	"	"	X
91-58-7	2-Chloronaphthalene	BRL		µg/kg dry	423	1	"	"	"	"	X
95-57-8	2-Chlorophenol	BRL		µg/kg dry	423	1	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/kg dry	423	1	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	423	1	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	423	1	"	"	"	"	X
132-64-9	Dibenzofuran	BRL		µg/kg dry	423	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	423	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	423	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	423	1	"	"	"	"	X
91-94-1	3,3'-Dichlorobenzidine	BRL		µg/kg dry	423	1	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	BRL		µg/kg dry	423	1	"	"	"	"	X
84-66-2	Diethyl phthalate	BRL		µg/kg dry	423	1	"	"	"	"	X
131-11-3	Dimethyl phthalate	BRL		µg/kg dry	423	1	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	BRL		µg/kg dry	423	1	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	BRL		µg/kg dry	423	1	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	423	1	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	BRL		µg/kg dry	423	1	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	BRL		µg/kg dry	423	1	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	BRL		µg/kg dry	423	1	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	BRL		µg/kg dry	423	1	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	423	1	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	423	1	"	"	"	"	X
118-74-1	Hexachlorobenzene	BRL		µg/kg dry	423	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	423	1	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	BRL		µg/kg dry	423	1	"	"	"	"	X
67-72-1	Hexachloroethane	BRL		µg/kg dry	423	1	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	423	1	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	423	1	"	"	"	"	
78-59-1	Isophorone	BRL		µg/kg dry	423	1	"	"	"	"	X
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	423	1	"	"	"	"	X
95-48-7	2-Methylphenol	BRL		µg/kg dry	423	1	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	BRL		µg/kg dry	423	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	423	1	"	"	"	"	X
88-74-4	2-Nitroaniline	BRL		µg/kg dry	423	1	"	"	"	"	X
99-09-2	3-Nitroaniline	BRL		µg/kg dry	423	1	"	"	"	"	X
100-01-6	4-Nitroaniline	BRL		µg/kg dry	1690	1	"	"	"	"	X
98-95-3	Nitrobenzene	BRL		µg/kg dry	423	1	"	"	"	"	X
88-75-5	2-Nitrophenol	BRL		µg/kg dry	423	1	"	"	"	"	X
100-02-7	4-Nitrophenol	BRL		µg/kg dry	1690	1	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	BRL		µg/kg dry	423	1	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/kg dry	423	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C48 SA89544-04	127-17797-08011	Soil	06-Jan-09 10:00	07-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
86-30-6	N-Nitrosodiphenylamine	BRL		µg/kg dry	423	1	SW846 8270C	09-Jan-09	12-Jan-09	9010464	X
87-86-5	Pentachlorophenol	BRL		µg/kg dry	423	1	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	423	1	"	"	"	"	X
108-95-2	Phenol	BRL		µg/kg dry	423	1	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	423	1	"	"	"	"	X
110-86-1	Pyridine	BRL		µg/kg dry	423	1	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	423	1	"	"	"	"	X
95-95-4	2,4,5-Trichlorophenol	BRL		µg/kg dry	423	1	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	BRL		µg/kg dry	423	1	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	BRL		µg/kg dry	423	1	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	423	1	"	"	"	"	X
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*64*		*30-130 %*			"	"	"	"	
367-12-4	*2-Fluorophenol*	*68*		*15-110 %*			"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*60*		*30-130 %*			"	"	"	"	
4165-62-2	*Phenol-d5*	*58*		*15-110 %*			"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*91*		*30-130 %*			"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*65*		*15-110 %*			"	"	"	"	
Semivolatile Organic Compounds by GC											
Polychlorinated Biphenyls by SW846 8082											
Prepared by method SW846 3545A											
12674-11-2	PCB 1016	BRL		µg/kg dry	25.4	1	SW846 8082	09-Jan-09	10-Jan-09	9010461	X
11104-28-2	PCB 1221	BRL		µg/kg dry	25.4	1	"	"	"	"	X
11141-16-5	PCB 1232	BRL		µg/kg dry	25.4	1	"	"	"	"	X
53469-21-9	PCB 1242	BRL		µg/kg dry	25.4	1	"	"	"	"	X
12672-29-6	PCB 1248	BRL		µg/kg dry	25.4	1	"	"	"	"	X
11097-69-1	PCB 1254	BRL		µg/kg dry	25.4	1	"	"	"	"	X
11096-82-5	PCB 1260	BRL		µg/kg dry	25.4	1	"	"	"	"	X
37324-23-5	PCB 1262	BRL		µg/kg dry	25.4	1	"	"	"	"	X
11100-14-4	PCB 1268	BRL		µg/kg dry	25.4	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*78*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*82*		*30-150 %*			"	"	"	"	
Chlorinated Herbicides by SW846 8151A											
Prepared by method SW846 3550B											
93-76-5	2,4,5-T	BRL		µg/kg dry	6.70	1	SW846 8151A	09-Jan-09	13-Jan-09	9010470	X
93-72-1	2,4,5-TP (Silvex)	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-75-7	2,4-D	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-82-6	2,4-DB	BRL		µg/kg dry	6.70	1	"	"	"	"	X
75-99-0	Dalapon	BRL		µg/kg dry	6.70	1	"	"	"	"	X
1918-00-9	Dicamba	BRL		µg/kg dry	6.70	1	"	"	"	"	X
120-36-5	Dichlorprop	BRL		µg/kg dry	6.70	1	"	"	"	"	X
88-85-7	Dinoseb	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-74-6	MCPA	BRL		µg/kg dry	670	1	"	"	"	"	X
94-81-5	MCPB	BRL		µg/kg dry	670	1	"	"	"	"	
93-65-2	MCPP	BRL		µg/kg dry	670	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*122*		*30-150 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C48	127-17797-08011	Soil	06-Jan-09 10:00	07-Jan-09
SA89544-04				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3550B											
8006-61-9	Gasoline	BRL		mg/kg dry	17.1	1	+CT ETPH	09-Jan-09	12-Jan-09	9010462	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	17.1	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	17.1	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	17.1	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	17.1	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	17.1	1	"	"	"	"	
	Unidentified	BRL		mg/kg dry	17.1	1	"	"	"	"	
	Other Oil	BRL		mg/kg dry	17.1	1	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL		mg/kg dry	17.1	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	17.1	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*97*		*50-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	BRL		mg/kg dry	1.78	1	SW846 6010B	08-Jan-09	09-Jan-09	9010410	X
7440-38-2	Arsenic	7.03		mg/kg dry	1.78	1	"	"	"	"	X
7440-39-3	Barium	49.7		mg/kg dry	1.19	1	"	"	"	"	X
7440-43-9	Cadmium	BRL		mg/kg dry	0.594	1	"	"	"	"	X
7440-47-3	Chromium	12.0		mg/kg dry	1.19	1	"	"	"	"	X
7439-97-6	Mercury	0.676		mg/kg dry	0.0376	1	SW846 7471A	"	14-Jan-09	9010411	X
7439-92-1	Lead	62.8		mg/kg dry	1.78	1	SW846 6010B	"	09-Jan-09	9010410	X
7782-49-2	Selenium	2.37		mg/kg dry	1.78	1	"	"	"	"	X
General Chemistry Parameters											
	% Solids	76.6		%		1	SM2540 G Mod.	08-Jan-09	08-Jan-09	9010422	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C49 SA89544-05	127-17797-08011	Soil	06-Jan-09 08:30	07-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	08-Jan-09	08-Jan-09	9010416	
Volatile Organic Compounds			VC10			Initial weight: 6.55 g					
Prepared by method SW846 5035A Soil (low level)											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	8.3	1	SW846 8260B	09-Jan-09	10-Jan-09	9010479	X
67-64-1	Acetone	BRL		µg/kg dry	82.9	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	8.3	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	8.3	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	8.3	1	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	8.3	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	8.3	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	8.3	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	16.6	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	82.9	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	8.3	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	8.3	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	8.3	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	41.4	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	8.3	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	8.3	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	16.6	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	8.3	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	16.6	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	8.3	1	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	8.3	1	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	16.6	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	8.3	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	8.3	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	8.3	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	8.3	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	8.3	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	8.3	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	16.6	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	8.3	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	8.3	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	8.3	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	8.3	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	8.3	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	8.3	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	8.3	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	8.3	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	8.3	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	8.3	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	8.3	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	8.3	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	8.3	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	82.9	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	8.3	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	8.3	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	8.3	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	82.9	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	82.9	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	8.3	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C49 SA89544-05	127-17797-08011	Soil	06-Jan-09 08:30	07-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
Volatile Organic Compounds			VC10								
Prepared by method SW846 5035A Soil (low level)					Initial weight: 6.55 g						
103-65-1	n-Propylbenzene	BRL		µg/kg dry	8.3	1	SW846 8260B	09-Jan-09	10-Jan-09	9010479	X
100-42-5	Styrene	BRL		µg/kg dry	8.3	1	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	8.3	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	8.3	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	8.3	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	8.3	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	8.3	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	8.3	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	8.3	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	8.3	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	8.3	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	8.3	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	8.3	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	8.3	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	8.3	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	8.3	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	8.3	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	16.6	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	8.3	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	82.9	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	8.3	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	8.3	1	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	8.3	1	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	8.3	1	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	82.9	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	166	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	41.4	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	3310	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*84*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*91*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*112*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*102*		*70-130 %*			"	"	"	"	
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
83-32-9	Acenaphthene	BRL		µg/kg dry	488	1	SW846 8270C	09-Jan-09	12-Jan-09	9010464	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	488	1	"	"	"	"	X
62-53-3	Aniline	BRL		µg/kg dry	488	1	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	488	1	"	"	"	"	X
1912-24-9	Atrazine	BRL		µg/kg dry	488	1	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/kg dry	488	1	"	"	"	"	
92-87-5	Benzidine	BRL		µg/kg dry	488	1	"	"	"	"	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	488	1	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	488	1	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	488	1	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	488	1	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	488	1	"	"	"	"	X
65-85-0	Benzoic acid	BRL		µg/kg dry	488	1	"	"	"	"	X
100-51-6	Benzyl alcohol	BRL		µg/kg dry	488	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C49 SA89544-05	127-17797-08011	Soil	06-Jan-09 08:30	07-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
111-91-1	Bis(2-chloroethoxy)methane	BRL		µg/kg dry	488	1	SW846 8270C	09-Jan-09	12-Jan-09	9010464	X
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/kg dry	488	1	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	488	1	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	488	1	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/kg dry	488	1	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	BRL		µg/kg dry	488	1	"	"	"	"	X
86-74-8	Carbazole	BRL		µg/kg dry	488	1	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	BRL		µg/kg dry	488	1	"	"	"	"	X
106-47-8	4-Chloroaniline	BRL		µg/kg dry	488	1	"	"	"	"	X
91-58-7	2-Chloronaphthalene	BRL		µg/kg dry	488	1	"	"	"	"	X
95-57-8	2-Chlorophenol	BRL		µg/kg dry	488	1	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/kg dry	488	1	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	488	1	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	488	1	"	"	"	"	X
132-64-9	Dibenzofuran	BRL		µg/kg dry	488	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	488	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	488	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	488	1	"	"	"	"	X
91-94-1	3,3'-Dichlorobenzidine	BRL		µg/kg dry	488	1	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	BRL		µg/kg dry	488	1	"	"	"	"	X
84-66-2	Diethyl phthalate	BRL		µg/kg dry	488	1	"	"	"	"	X
131-11-3	Dimethyl phthalate	BRL		µg/kg dry	488	1	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	BRL		µg/kg dry	488	1	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	BRL		µg/kg dry	488	1	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	488	1	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	BRL		µg/kg dry	488	1	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	BRL		µg/kg dry	488	1	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	BRL		µg/kg dry	488	1	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	BRL		µg/kg dry	488	1	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	488	1	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	488	1	"	"	"	"	X
118-74-1	Hexachlorobenzene	BRL		µg/kg dry	488	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	488	1	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	BRL		µg/kg dry	488	1	"	"	"	"	X
67-72-1	Hexachloroethane	BRL		µg/kg dry	488	1	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	488	1	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	488	1	"	"	"	"	
78-59-1	Isophorone	BRL		µg/kg dry	488	1	"	"	"	"	X
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	488	1	"	"	"	"	X
95-48-7	2-Methylphenol	BRL		µg/kg dry	488	1	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	BRL		µg/kg dry	488	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	488	1	"	"	"	"	X
88-74-4	2-Nitroaniline	BRL		µg/kg dry	488	1	"	"	"	"	X
99-09-2	3-Nitroaniline	BRL		µg/kg dry	488	1	"	"	"	"	X
100-01-6	4-Nitroaniline	BRL		µg/kg dry	1950	1	"	"	"	"	X
98-95-3	Nitrobenzene	BRL		µg/kg dry	488	1	"	"	"	"	X
88-75-5	2-Nitrophenol	BRL		µg/kg dry	488	1	"	"	"	"	X
100-02-7	4-Nitrophenol	BRL		µg/kg dry	1950	1	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	BRL		µg/kg dry	488	1	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/kg dry	488	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C49 SA89544-05	127-17797-08011	Soil	06-Jan-09 08:30	07-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
86-30-6	N-Nitrosodiphenylamine	BRL		µg/kg dry	488	1	SW846 8270C	09-Jan-09	12-Jan-09	9010464	X
87-86-5	Pentachlorophenol	BRL		µg/kg dry	488	1	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	488	1	"	"	"	"	X
108-95-2	Phenol	BRL		µg/kg dry	488	1	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	488	1	"	"	"	"	X
110-86-1	Pyridine	BRL		µg/kg dry	488	1	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	488	1	"	"	"	"	X
95-95-4	2,4,5-Trichlorophenol	BRL		µg/kg dry	488	1	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	BRL		µg/kg dry	488	1	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	BRL		µg/kg dry	488	1	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	488	1	"	"	"	"	X
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*73*		*30-130 %*			"	"	"	"	
367-12-4	*2-Fluorophenol*	*82*		*15-110 %*			"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*72*		*30-130 %*			"	"	"	"	
4165-62-2	*Phenol-d5*	*72*		*15-110 %*			"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*108*		*30-130 %*			"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*75*		*15-110 %*			"	"	"	"	
Semivolatile Organic Compounds by GC											
Polychlorinated Biphenyls by SW846 8082											
Prepared by method SW846 3545A											
12674-11-2	PCB 1016	BRL		µg/kg dry	28.3	1	SW846 8082	09-Jan-09	10-Jan-09	9010461	X
11104-28-2	PCB 1221	BRL		µg/kg dry	28.3	1	"	"	"	"	X
11141-16-5	PCB 1232	BRL		µg/kg dry	28.3	1	"	"	"	"	X
53469-21-9	PCB 1242	BRL		µg/kg dry	28.3	1	"	"	"	"	X
12672-29-6	PCB 1248	BRL		µg/kg dry	28.3	1	"	"	"	"	X
11097-69-1	PCB 1254	BRL		µg/kg dry	28.3	1	"	"	"	"	X
11096-82-5	PCB 1260	BRL		µg/kg dry	28.3	1	"	"	"	"	X
37324-23-5	PCB 1262	BRL		µg/kg dry	28.3	1	"	"	"	"	X
11100-14-4	PCB 1268	BRL		µg/kg dry	28.3	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*82*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*85*		*30-150 %*			"	"	"	"	
Chlorinated Herbicides by SW846 8151A											
Prepared by method SW846 3550B											
93-76-5	2,4,5-T	BRL		µg/kg dry	6.70	1	SW846 8151A	09-Jan-09	13-Jan-09	9010470	X
93-72-1	2,4,5-TP (Silvex)	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-75-7	2,4-D	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-82-6	2,4-DB	BRL		µg/kg dry	6.70	1	"	"	"	"	X
75-99-0	Dalapon	BRL		µg/kg dry	6.70	1	"	"	"	"	X
1918-00-9	Dicamba	BRL		µg/kg dry	6.70	1	"	"	"	"	X
120-36-5	Dichlorprop	BRL		µg/kg dry	6.70	1	"	"	"	"	X
88-85-7	Dinoseb	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-74-6	MCPA	BRL		µg/kg dry	670	1	"	"	"	"	X
94-81-5	MCPB	BRL		µg/kg dry	670	1	"	"	"	"	
93-65-2	MCPP	BRL		µg/kg dry	670	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*104*		*30-150 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C49 SA89544-05	127-17797-08011	Soil	06-Jan-09 08:30	07-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3550B											
8006-61-9	Gasoline	BRL		mg/kg dry	19.7	1	+CT ETPH	09-Jan-09	12-Jan-09	9010462	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	19.7	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	19.7	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	19.7	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	19.7	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	19.7	1	"	"	"	"	
	Unidentified	BRL		mg/kg dry	19.7	1	"	"	"	"	
	Other Oil	BRL		mg/kg dry	19.7	1	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL		mg/kg dry	19.7	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	19.7	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*100*		*50-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	BRL		mg/kg dry	1.97	1	SW846 6010B	08-Jan-09	09-Jan-09	9010410	X
7440-38-2	Arsenic	11.1		mg/kg dry	1.97	1	"	"	"	"	X
7440-39-3	Barium	65.4		mg/kg dry	1.31	1	"	"	"	"	X
7440-43-9	Cadmium	BRL		mg/kg dry	0.655	1	"	"	"	"	X
7440-47-3	Chromium	15.9		mg/kg dry	1.31	1	"	"	"	"	X
7439-97-6	Mercury	0.0515		mg/kg dry	0.0393	1	SW846 7471A	"	14-Jan-09	9010411	X
7439-92-1	Lead	22.9		mg/kg dry	1.97	1	SW846 6010B	"	09-Jan-09	9010410	X
7782-49-2	Selenium	2.72		mg/kg dry	1.97	1	"	"	"	"	X
SPLP Metals by EPA 1312 & 6000/7000 Series Methods											
	SPLP Extraction	Completed		N/A		1	SW846 1312	19-Jan-09	19-Jan-09	9011115	
7440-38-2	Arsenic	BRL		mg/l	0.0080	1	SW846 1312/6010B	20-Jan-09	20-Jan-09	9011167	
7440-47-3	Chromium	BRL		mg/l	0.0100	1	"	"	"	"	
7439-92-1	Lead	BRL		mg/l	0.0150	1	"	"	"	"	
General Chemistry Parameters											
	% Solids	66.4		%		1	SM2540 G Mod.	08-Jan-09	08-Jan-09	9010422	

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010479 - SW846 5035A Soil (low level)										
Blank (9010479-BLK1)										
Prepared & Analyzed: 09-Jan-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg wet	5.0						
Acetone	BRL		µg/kg wet	50.0						
Acrylonitrile	BRL		µg/kg wet	5.0						
Benzene	BRL		µg/kg wet	5.0						
Bromobenzene	BRL		µg/kg wet	5.0						
Bromochloromethane	BRL		µg/kg wet	5.0						
Bromodichloromethane	BRL		µg/kg wet	5.0						
Bromoform	BRL		µg/kg wet	5.0						
Bromomethane	BRL		µg/kg wet	10.0						
2-Butanone (MEK)	BRL		µg/kg wet	50.0						
n-Butylbenzene	BRL		µg/kg wet	5.0						
sec-Butylbenzene	BRL		µg/kg wet	5.0						
tert-Butylbenzene	BRL		µg/kg wet	5.0						
Carbon disulfide	BRL		µg/kg wet	25.0						
Carbon tetrachloride	BRL		µg/kg wet	5.0						
Chlorobenzene	BRL		µg/kg wet	5.0						
Chloroethane	BRL		µg/kg wet	10.0						
Chloroform	BRL		µg/kg wet	5.0						
Chloromethane	BRL		µg/kg wet	10.0						
2-Chlorotoluene	BRL		µg/kg wet	5.0						
4-Chlorotoluene	BRL		µg/kg wet	5.0						
1,2-Dibromo-3-chloropropane	BRL		µg/kg wet	10.0						
Dibromochloromethane	BRL		µg/kg wet	5.0						
1,2-Dibromoethane (EDB)	BRL		µg/kg wet	5.0						
Dibromomethane	BRL		µg/kg wet	5.0						
1,2-Dichlorobenzene	BRL		µg/kg wet	5.0						
1,3-Dichlorobenzene	BRL		µg/kg wet	5.0						
1,4-Dichlorobenzene	BRL		µg/kg wet	5.0						
Dichlorodifluoromethane (Freon12)	BRL		µg/kg wet	10.0						
1,1-Dichloroethane	BRL		µg/kg wet	5.0						
1,2-Dichloroethane	BRL		µg/kg wet	5.0						
1,1-Dichloroethene	BRL		µg/kg wet	5.0						
cis-1,2-Dichloroethene	BRL		µg/kg wet	5.0						
trans-1,2-Dichloroethene	BRL		µg/kg wet	5.0						
1,2-Dichloropropane	BRL		µg/kg wet	5.0						
1,3-Dichloropropane	BRL		µg/kg wet	5.0						
2,2-Dichloropropane	BRL		µg/kg wet	5.0						
1,1-Dichloropropene	BRL		µg/kg wet	5.0						
cis-1,3-Dichloropropene	BRL		µg/kg wet	5.0						
trans-1,3-Dichloropropene	BRL		µg/kg wet	5.0						
Ethylbenzene	BRL		µg/kg wet	5.0						
Hexachlorobutadiene	BRL		µg/kg wet	5.0						
2-Hexanone (MBK)	BRL		µg/kg wet	50.0						
Isopropylbenzene	BRL		µg/kg wet	5.0						
4-Isopropyltoluene	BRL		µg/kg wet	5.0						
Methyl tert-butyl ether	BRL		µg/kg wet	5.0						
4-Methyl-2-pentanone (MIBK)	BRL		µg/kg wet	50.0						
Methylene chloride	BRL		µg/kg wet	50.0						
Naphthalene	BRL		µg/kg wet	5.0						

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010479 - SW846 5035A Soil (low level)										
Blank (9010479-BLK1)										
Prepared & Analyzed: 09-Jan-09										
n-Propylbenzene	BRL		µg/kg wet	5.0						
Styrene	BRL		µg/kg wet	5.0						
1,1,1,2-Tetrachloroethane	BRL		µg/kg wet	5.0						
1,1,2,2-Tetrachloroethane	BRL		µg/kg wet	5.0						
Tetrachloroethene	BRL		µg/kg wet	5.0						
Toluene	BRL		µg/kg wet	5.0						
1,2,3-Trichlorobenzene	BRL		µg/kg wet	5.0						
1,2,4-Trichlorobenzene	BRL		µg/kg wet	5.0						
1,3,5-Trichlorobenzene	BRL		µg/kg wet	5.0						
1,1,1-Trichloroethane	BRL		µg/kg wet	5.0						
1,1,2-Trichloroethane	BRL		µg/kg wet	5.0						
Trichloroethene	BRL		µg/kg wet	5.0						
Trichlorofluoromethane (Freon 11)	BRL		µg/kg wet	5.0						
1,2,3-Trichloropropane	BRL		µg/kg wet	5.0						
1,2,4-Trimethylbenzene	BRL		µg/kg wet	5.0						
1,3,5-Trimethylbenzene	BRL		µg/kg wet	5.0						
Vinyl chloride	BRL		µg/kg wet	5.0						
m,p-Xylene	BRL		µg/kg wet	10.0						
o-Xylene	BRL		µg/kg wet	5.0						
Tetrahydrofuran	BRL		µg/kg wet	50.0						
Ethyl ether	BRL		µg/kg wet	5.0						
Tert-amyl methyl ether	BRL		µg/kg wet	5.0						
Ethyl tert-butyl ether	BRL		µg/kg wet	5.0						
Di-isopropyl ether	BRL		µg/kg wet	5.0						
Tert-Butanol / butyl alcohol	BRL		µg/kg wet	50.0						
1,4-Dioxane	BRL		µg/kg wet	100						
trans-1,4-Dichloro-2-butene	BRL		µg/kg wet	25.0						
Ethanol	BRL		µg/kg wet	2000						
Surrogate: 4-Bromofluorobenzene	*46.4*		µg/kg wet		*50.0*		*93*	*70-130*		
Surrogate: Toluene-d8	*47.3*		µg/kg wet		*50.0*		*95*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*58.2*		µg/kg wet		*50.0*		*116*	*70-130*		
Surrogate: Dibromofluoromethane	*51.2*		µg/kg wet		*50.0*		*102*	*70-130*		
LCS (9010479-BS1)										
Prepared & Analyzed: 09-Jan-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	21.0		µg/kg wet		20.0		105	70-130		
Acetone	13.3		µg/kg wet		20.0		67	7.9-168		
Acrylonitrile	17.9		µg/kg wet		20.0		89	70-130		
Benzene	21.2		µg/kg wet		20.0		106	70-130		
Bromobenzene	18.3		µg/kg wet		20.0		92	70-130		
Bromochloromethane	17.7		µg/kg wet		20.0		89	70-130		
Bromodichloromethane	19.8		µg/kg wet		20.0		99	70-130		
Bromoform	19.5		µg/kg wet		20.0		97	70-130		
Bromomethane	15.7		µg/kg wet		20.0		79	50-134		
2-Butanone (MEK)	15.1		µg/kg wet		20.0		76	44.6-130		
n-Butylbenzene	21.8		µg/kg wet		20.0		109	70-130		
sec-Butylbenzene	19.6		µg/kg wet		20.0		98	70-130		
tert-Butylbenzene	18.9		µg/kg wet		20.0		95	70-130		
Carbon disulfide	20.8		µg/kg wet		20.0		104	70-130		
Carbon tetrachloride	20.5		µg/kg wet		20.0		103	70-130		
Chlorobenzene	20.2		µg/kg wet		20.0		101	70-130		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010479 - SW846 5035A Soil (low level)										
LCS (9010479-BS1)										
Prepared & Analyzed: 09-Jan-09										
Chloroethane	16.9		µg/kg wet		20.0		84	59.2-130		
Chloroform	19.2		µg/kg wet		20.0		96	70-130		
Chloromethane	14.7		µg/kg wet		20.0		73	70-130		
2-Chlorotoluene	20.3		µg/kg wet		20.0		102	70-130		
4-Chlorotoluene	19.3		µg/kg wet		20.0		97	70-130		
1,2-Dibromo-3-chloropropane	22.2		µg/kg wet		20.0		111	70-130		
Dibromochloromethane	19.3		µg/kg wet		20.0		97	63.8-130		
1,2-Dibromoethane (EDB)	17.8		µg/kg wet		20.0		89	70-130		
Dibromomethane	18.5		µg/kg wet		20.0		92	70-130		
1,2-Dichlorobenzene	20.4		µg/kg wet		20.0		102	70-130		
1,3-Dichlorobenzene	18.0		µg/kg wet		20.0		90	70-130		
1,4-Dichlorobenzene	21.0		µg/kg wet		20.0		105	70-130		
Dichlorodifluoromethane (Freon12)	13.8		µg/kg wet		20.0		69	41.8-130		
1,1-Dichloroethane	20.1		µg/kg wet		20.0		100	70-130		
1,2-Dichloroethane	18.6		µg/kg wet		20.0		93	70-130		
1,1-Dichloroethene	20.7		µg/kg wet		20.0		104	70-130		
cis-1,2-Dichloroethene	20.2		µg/kg wet		20.0		101	70-130		
trans-1,2-Dichloroethene	20.4		µg/kg wet		20.0		102	70-130		
1,2-Dichloropropane	20.5		µg/kg wet		20.0		103	70-130		
1,3-Dichloropropane	18.0		µg/kg wet		20.0		90	70-130		
2,2-Dichloropropane	18.2		µg/kg wet		20.0		91	70-130		
1,1-Dichloropropene	20.9		µg/kg wet		20.0		105	70-130		
cis-1,3-Dichloropropene	18.4		µg/kg wet		20.0		92	70-130		
trans-1,3-Dichloropropene	19.4		µg/kg wet		20.0		97	70-130		
Ethylbenzene	20.3		µg/kg wet		20.0		101	70-130		
Hexachlorobutadiene	18.1		µg/kg wet		20.0		91	68.3-130		
2-Hexanone (MBK)	14.4		µg/kg wet		20.0		72	70-130		
Isopropylbenzene	19.2		µg/kg wet		20.0		96	70-130		
4-Isopropyltoluene	20.9		µg/kg wet		20.0		104	70-130		
Methyl tert-butyl ether	20.1		µg/kg wet		20.0		100	70-130		
4-Methyl-2-pentanone (MIBK)	17.2		µg/kg wet		20.0		86	53.1-132		
Methylene chloride	17.6		µg/kg wet		20.0		88	70-130		
Naphthalene	17.2		µg/kg wet		20.0		86	70-130		
n-Propylbenzene	19.7		µg/kg wet		20.0		99	70-130		
Styrene	19.8		µg/kg wet		20.0		99	70-130		
1,1,1,2-Tetrachloroethane	19.9		µg/kg wet		20.0		100	70-130		
1,1,2,2-Tetrachloroethane	19.1		µg/kg wet		20.0		96	70-130		
Tetrachloroethene	18.2		µg/kg wet		20.0		91	70-130		
Toluene	17.7		µg/kg wet		20.0		88	70-130		
1,2,3-Trichlorobenzene	17.9		µg/kg wet		20.0		90	70-130		
1,2,4-Trichlorobenzene	17.8		µg/kg wet		20.0		89	70-130		
1,3,5-Trichlorobenzene	20.0		µg/kg wet		20.0		100	70-130		
1,1,1-Trichloroethane	20.0		µg/kg wet		20.0		100	70-130		
1,1,2-Trichloroethane	18.5		µg/kg wet		20.0		93	70-130		
Trichloroethene	19.6		µg/kg wet		20.0		98	70-130		
Trichlorofluoromethane (Freon 11)	18.3		µg/kg wet		20.0		92	68.2-130		
1,2,3-Trichloropropane	18.9		µg/kg wet		20.0		94	70-130		
1,2,4-Trimethylbenzene	19.2		µg/kg wet		20.0		96	70-130		
1,3,5-Trimethylbenzene	19.6		µg/kg wet		20.0		98	70-130		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010479 - SW846 5035A Soil (low level)										
LCS (9010479-BS1)										
Prepared & Analyzed: 09-Jan-09										
Vinyl chloride	17.3		µg/kg wet		20.0		86	70-130		
m,p-Xylene	41.2		µg/kg wet		40.0		103	70-130		
o-Xylene	20.6		µg/kg wet		20.0		103	70-130		
Tetrahydrofuran	18.8		µg/kg wet		20.0		94	70-130		
Ethyl ether	20.1		µg/kg wet		20.0		101	70-130		
Tert-amyl methyl ether	17.8		µg/kg wet		20.0		89	70-130		
Ethyl tert-butyl ether	20.4		µg/kg wet		20.0		102	70-130		
Di-isopropyl ether	21.0		µg/kg wet		20.0		105	70-130		
Tert-Butanol / butyl alcohol	184		µg/kg wet		200		92	70-130		
1,4-Dioxane	162		µg/kg wet		200		81	48.7-130		
trans-1,4-Dichloro-2-butene	19.6		µg/kg wet		20.0		98	70-130		
Ethanol	369		µg/kg wet		400		92	70-130		
Surrogate: 4-Bromofluorobenzene	*48.0*		µg/kg wet		*50.0*		*96*	*70-130*		
Surrogate: Toluene-d8	*46.8*		µg/kg wet		*50.0*		*94*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*47.0*		µg/kg wet		*50.0*		*94*	*70-130*		
Surrogate: Dibromofluoromethane	*46.2*		µg/kg wet		*50.0*		*92*	*70-130*		
LCS Dup (9010479-BSD1)										
Prepared & Analyzed: 09-Jan-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	19.9		µg/kg wet		20.0		100	70-130	5	25
Acetone	10.7		µg/kg wet		20.0		53	7.9-168	22	50
Acrylonitrile	18.4		µg/kg wet		20.0		92	70-130	3	25
Benzene	20.7		µg/kg wet		20.0		103	70-130	3	25
Bromobenzene	18.8		µg/kg wet		20.0		94	70-130	2	25
Bromochloromethane	17.0		µg/kg wet		20.0		85	70-130	4	25
Bromodichloromethane	19.8		µg/kg wet		20.0		99	70-130	0	25
Bromoform	19.2		µg/kg wet		20.0		96	70-130	2	25
Bromomethane	15.4		µg/kg wet		20.0		77	50-134	2	50
2-Butanone (MEK)	16.8		µg/kg wet		20.0		84	44.6-130	11	50
n-Butylbenzene	21.4		µg/kg wet		20.0		107	70-130	2	25
sec-Butylbenzene	19.2		µg/kg wet		20.0		96	70-130	2	25
tert-Butylbenzene	18.5		µg/kg wet		20.0		92	70-130	2	25
Carbon disulfide	20.5		µg/kg wet		20.0		103	70-130	1	25
Carbon tetrachloride	20.4		µg/kg wet		20.0		102	70-130	0.7	25
Chlorobenzene	19.8		µg/kg wet		20.0		99	70-130	2	25
Chloroethane	16.6		µg/kg wet		20.0		83	59.2-130	2	50
Chloroform	18.0		µg/kg wet		20.0		90	70-130	6	25
Chloromethane	14.6		µg/kg wet		20.0		73	70-130	0.5	25
2-Chlorotoluene	20.0		µg/kg wet		20.0		100	70-130	2	25
4-Chlorotoluene	19.3		µg/kg wet		20.0		96	70-130	0.2	25
1,2-Dibromo-3-chloropropane	19.5		µg/kg wet		20.0		98	70-130	13	25
Dibromochloromethane	18.0		µg/kg wet		20.0		90	63.8-130	7	50
1,2-Dibromoethane (EDB)	17.3		µg/kg wet		20.0		87	70-130	3	25
Dibromomethane	17.2		µg/kg wet		20.0		86	70-130	8	25
1,2-Dichlorobenzene	19.5		µg/kg wet		20.0		97	70-130	4	25
1,3-Dichlorobenzene	18.0		µg/kg wet		20.0		90	70-130	0.2	25
1,4-Dichlorobenzene	19.8		µg/kg wet		20.0		99	70-130	6	25
Dichlorodifluoromethane (Freon12)	13.1		µg/kg wet		20.0		65	41.8-130	6	50
1,1-Dichloroethane	19.7		µg/kg wet		20.0		98	70-130	2	25
1,2-Dichloroethane	18.1		µg/kg wet		20.0		90	70-130	3	25
1,1-Dichloroethene	21.5		µg/kg wet		20.0		108	70-130	4	25

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010479 - SW846 5035A Soil (low level)										
LCS Dup (9010479-BSD1)										
Prepared & Analyzed: 09-Jan-09										
cis-1,2-Dichloroethene	19.4		µg/kg wet		20.0		97	70-130	4	25
trans-1,2-Dichloroethene	19.3		µg/kg wet		20.0		96	70-130	5	25
1,2-Dichloropropane	20.4		µg/kg wet		20.0		102	70-130	0.7	25
1,3-Dichloropropane	17.4		µg/kg wet		20.0		87	70-130	3	25
2,2-Dichloropropane	18.2		µg/kg wet		20.0		91	70-130	0.2	25
1,1-Dichloropropene	21.0		µg/kg wet		20.0		105	70-130	0.3	25
cis-1,3-Dichloropropene	18.5		µg/kg wet		20.0		92	70-130	0.4	25
trans-1,3-Dichloropropene	18.9		µg/kg wet		20.0		94	70-130	3	25
Ethylbenzene	20.4		µg/kg wet		20.0		102	70-130	0.6	25
Hexachlorobutadiene	17.7		µg/kg wet		20.0		89	68.3-130	2	50
2-Hexanone (MBK)	16.2		µg/kg wet		20.0		81	70-130	12	25
Isopropylbenzene	19.3		µg/kg wet		20.0		96	70-130	0.6	25
4-Isopropyltoluene	20.5		µg/kg wet		20.0		103	70-130	2	25
Methyl tert-butyl ether	18.7		µg/kg wet		20.0		94	70-130	7	25
4-Methyl-2-pentanone (MIBK)	15.9		µg/kg wet		20.0		79	53.1-132	8	50
Methylene chloride	17.6		µg/kg wet		20.0		88	70-130	0.5	25
Naphthalene	16.5		µg/kg wet		20.0		82	70-130	4	25
n-Propylbenzene	19.5		µg/kg wet		20.0		98	70-130	1	25
Styrene	19.2		µg/kg wet		20.0		96	70-130	3	25
1,1,1,2-Tetrachloroethane	19.8		µg/kg wet		20.0		99	70-130	0.4	25
1,1,2,2-Tetrachloroethane	18.4		µg/kg wet		20.0		92	70-130	4	25
Tetrachloroethene	17.9		µg/kg wet		20.0		89	70-130	2	25
Toluene	17.1		µg/kg wet		20.0		85	70-130	3	25
1,2,3-Trichlorobenzene	17.5		µg/kg wet		20.0		87	70-130	2	25
1,2,4-Trichlorobenzene	17.4		µg/kg wet		20.0		87	70-130	2	25
1,3,5-Trichlorobenzene	18.4		µg/kg wet		20.0		92	70-130	8	25
1,1,1-Trichloroethane	20.1		µg/kg wet		20.0		101	70-130	0.5	25
1,1,2-Trichloroethane	17.5		µg/kg wet		20.0		88	70-130	6	25
Trichloroethene	19.4		µg/kg wet		20.0		97	70-130	0.9	25
Trichlorofluoromethane (Freon 11)	19.0		µg/kg wet		20.0		95	68.2-130	4	50
1,2,3-Trichloropropane	17.9		µg/kg wet		20.0		89	70-130	5	25
1,2,4-Trimethylbenzene	19.0		µg/kg wet		20.0		95	70-130	1	25
1,3,5-Trimethylbenzene	19.6		µg/kg wet		20.0		98	70-130	0.4	25
Vinyl chloride	17.1		µg/kg wet		20.0		85	70-130	1	25
m,p-Xylene	40.6		µg/kg wet		40.0		102	70-130	1	25
o-Xylene	19.5		µg/kg wet		20.0		97	70-130	5	25
Tetrahydrofuran	18.2		µg/kg wet		20.0		91	70-130	3	25
Ethyl ether	20.0		µg/kg wet		20.0		100	70-130	0.3	50
Tert-amyl methyl ether	18.0		µg/kg wet		20.0		90	70-130	1	25
Ethyl tert-butyl ether	19.7		µg/kg wet		20.0		99	70-130	3	25
Di-isopropyl ether	20.1		µg/kg wet		20.0		101	70-130	4	25
Tert-Butanol / butyl alcohol	172		µg/kg wet		200		86	70-130	7	25
1,4-Dioxane	171		µg/kg wet		200		86	48.7-130	6	25
trans-1,4-Dichloro-2-butene	18.3		µg/kg wet		20.0		92	70-130	6	25
Ethanol	343		µg/kg wet		400		86	70-130	7	30
Surrogate: 4-Bromofluorobenzene	*47.1*		µg/kg wet		*50.0*		*94*	*70-130*		
Surrogate: Toluene-d8	*47.2*		µg/kg wet		*50.0*		*94*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*46.2*		µg/kg wet		*50.0*		*92*	*70-130*		
Surrogate: Dibromofluoromethane	*47.1*		µg/kg wet		*50.0*		*94*	*70-130*		

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010464 - SW846 3550B										
Blank (9010464-BLK1)										
Prepared: 09-Jan-09 Analyzed: 10-Jan-09										
Acenaphthene	BRL		µg/kg wet	330						
Acenaphthylene	BRL		µg/kg wet	330						
Aniline	BRL		µg/kg wet	330						
Anthracene	BRL		µg/kg wet	330						
Atrazine	BRL		µg/kg wet	330						
Azobenzene/Diphenyldiazine	BRL		µg/kg wet	330						
Benzidine	BRL		µg/kg wet	330						
Benzo (a) anthracene	BRL		µg/kg wet	330						
Benzo (a) pyrene	BRL		µg/kg wet	330						
Benzo (b) fluoranthene	BRL		µg/kg wet	330						
Benzo (g,h,i) perylene	BRL		µg/kg wet	330						
Benzo (k) fluoranthene	BRL		µg/kg wet	330						
Benzoic acid	BRL		µg/kg wet	330						
Benzyl alcohol	BRL		µg/kg wet	330						
Bis(2-chloroethoxy)methane	BRL		µg/kg wet	330						
Bis(2-chloroethyl)ether	BRL		µg/kg wet	330						
Bis(2-chloroisopropyl)ether	BRL		µg/kg wet	330						
Bis(2-ethylhexyl)phthalate	BRL		µg/kg wet	330						
4-Bromophenyl phenyl ether	BRL		µg/kg wet	330						
Butyl benzyl phthalate	BRL		µg/kg wet	330						
Carbazole	BRL		µg/kg wet	330						
4-Chloro-3-methylphenol	BRL		µg/kg wet	330						
4-Chloroaniline	BRL		µg/kg wet	330						
2-Chloronaphthalene	BRL		µg/kg wet	330						
2-Chlorophenol	BRL		µg/kg wet	330						
4-Chlorophenyl phenyl ether	BRL		µg/kg wet	330						
Chrysene	BRL		µg/kg wet	330						
Dibenzo (a,h) anthracene	BRL		µg/kg wet	330						
Dibenzofuran	BRL		µg/kg wet	330						
1,2-Dichlorobenzene	BRL		µg/kg wet	330						
1,3-Dichlorobenzene	BRL		µg/kg wet	330						
1,4-Dichlorobenzene	BRL		µg/kg wet	330						
3,3'-Dichlorobenzidine	BRL		µg/kg wet	330						
2,4-Dichlorophenol	BRL		µg/kg wet	330						
Diethyl phthalate	BRL		µg/kg wet	330						
Dimethyl phthalate	BRL		µg/kg wet	330						
2,4-Dimethylphenol	BRL		µg/kg wet	330						
Di-n-butyl phthalate	BRL		µg/kg wet	330						
4,6-Dinitro-2-methylphenol	BRL		µg/kg wet	330						
2,4-Dinitrophenol	BRL		µg/kg wet	330						
2,4-Dinitrotoluene	BRL		µg/kg wet	330						
2,6-Dinitrotoluene	BRL		µg/kg wet	330						
Di-n-octyl phthalate	BRL		µg/kg wet	330						
Fluoranthene	BRL		µg/kg wet	330						
Fluorene	BRL		µg/kg wet	330						
Hexachlorobenzene	BRL		µg/kg wet	330						
Hexachlorobutadiene	BRL		µg/kg wet	330						
Hexachlorocyclopentadiene	BRL		µg/kg wet	330						
Hexachloroethane	BRL		µg/kg wet	330						

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010464 - SW846 3550B										
Blank (9010464-BLK1)										
Prepared: 09-Jan-09 Analyzed: 10-Jan-09										
Indeno (1,2,3-cd) pyrene	BRL		µg/kg wet	330						
Isophorone	BRL		µg/kg wet	330						
1-Methylnaphthalene	BRL		µg/kg wet	330						
2-Methylnaphthalene	BRL		µg/kg wet	330						
2-Methylphenol	BRL		µg/kg wet	330						
3 & 4-Methylphenol	BRL		µg/kg wet	330						
Naphthalene	BRL		µg/kg wet	330						
2-Nitroaniline	BRL		µg/kg wet	330						
3-Nitroaniline	BRL		µg/kg wet	330						
4-Nitroaniline	BRL		µg/kg wet	1320						
Nitrobenzene	BRL		µg/kg wet	330						
2-Nitrophenol	BRL		µg/kg wet	330						
4-Nitrophenol	BRL		µg/kg wet	1320						
N-Nitrosodimethylamine	BRL		µg/kg wet	330						
N-Nitrosodi-n-propylamine	BRL		µg/kg wet	330						
N-Nitrosodiphenylamine	BRL		µg/kg wet	330						
Pentachlorophenol	BRL		µg/kg wet	330						
Phenanthrene	BRL		µg/kg wet	330						
Phenol	BRL		µg/kg wet	330						
Pyrene	BRL		µg/kg wet	330						
Pyridine	BRL		µg/kg wet	330						
1,2,4-Trichlorobenzene	BRL		µg/kg wet	330						
2,4,5-Trichlorophenol	BRL		µg/kg wet	330						
2,4,6-Trichlorophenol	BRL		µg/kg wet	330						
Pentachloronitrobenzene	BRL		µg/kg wet	330						
1,2,4,5-Tetrachlorobenzene	BRL		µg/kg wet	330						
Surrogate: 2-Fluorobiphenyl	*2250*		µg/kg wet		*3330*		*68*	*30-130*		
Surrogate: 2-Fluorophenol	*2400*		µg/kg wet		*3330*		*72*	*15-110*		
Surrogate: Nitrobenzene-d5	*2210*		µg/kg wet		*3330*		*66*	*30-130*		
Surrogate: Phenol-d5	*2170*		µg/kg wet		*3330*		*65*	*15-110*		
Surrogate: Terphenyl-dl4	*2600*		µg/kg wet		*3330*		*78*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*2420*		µg/kg wet		*3330*		*73*	*15-110*		
LCS (9010464-BS1)										
Prepared: 09-Jan-09 Analyzed: 10-Jan-09										
Acenaphthene	2430		µg/kg wet	330	3330		73	40-130		
Acenaphthylene	2380		µg/kg wet	330	3330		71	40-130		
Aniline	545	QC2	µg/kg wet	330	3330		16	40-130		
Anthracene	2310		µg/kg wet	330	3330		69	40-130		
Atrazine	1830		µg/kg wet	330	3330		55	40-130		
Azobenzene/Diphenyldiazine	2430		µg/kg wet	330	3330		73	40-130		
Benzidine	BRL		µg/kg wet	330	3330			0-130		
Benzo (a) anthracene	2940		µg/kg wet	330	3330		88	40-130		
Benzo (a) pyrene	2360		µg/kg wet	330	3330		71	40-130		
Benzo (b) fluoranthene	2600		µg/kg wet	330	3330		78	40-130		
Benzo (g,h,i) perylene	2500		µg/kg wet	330	3330		75	40-130		
Benzo (k) fluoranthene	2180		µg/kg wet	330	3330		65	40-130		
Benzoic acid	1860		µg/kg wet	330	3330		56	19.5-130		
Benzyl alcohol	2310		µg/kg wet	330	3330		69	40-130		
Bis(2-chloroethoxy)methane	2660		µg/kg wet	330	3330		80	40-130		
Bis(2-chloroethyl)ether	2710		µg/kg wet	330	3330		81	40-130		

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010464 - SW846 3550B										
LCS (9010464-BS1)										
Prepared: 09-Jan-09 Analyzed: 10-Jan-09										
Bis(2-chloroisopropyl)ether	2750		µg/kg wet	330	3330		82	40-130		
Bis(2-ethylhexyl)phthalate	3400		µg/kg wet	330	3330		102	40-130		
4-Bromophenyl phenyl ether	2570		µg/kg wet	330	3330		77	40-130		
Butyl benzyl phthalate	3330		µg/kg wet	330	3330		100	40-130		
Carbazole	2190		µg/kg wet	330	3330		66	40-130		
4-Chloro-3-methylphenol	2400		µg/kg wet	330	3330		72	40-130		
4-Chloroaniline	1250	QC2	µg/kg wet	330	3330		38	40-130		
2-Chloronaphthalene	2280		µg/kg wet	330	3330		68	40-130		
2-Chlorophenol	2420		µg/kg wet	330	3330		73	40-130		
4-Chlorophenyl phenyl ether	2730		µg/kg wet	330	3330		82	40-130		
Chrysene	2900		µg/kg wet	330	3330		87	40-130		
Dibenzo (a,h) anthracene	2500		µg/kg wet	330	3330		75	40-130		
Dibenzofuran	2330		µg/kg wet	330	3330		70	40-130		
1,2-Dichlorobenzene	2200		µg/kg wet	330	3330		66	40-130		
1,3-Dichlorobenzene	2030		µg/kg wet	330	3330		61	40-130		
1,4-Dichlorobenzene	2210		µg/kg wet	330	3330		66	40-130		
3,3'-Dichlorobenzidine	1620		µg/kg wet	330	3330		49	40-130		
2,4-Dichlorophenol	2330		µg/kg wet	330	3330		70	40-130		
Diethyl phthalate	2750		µg/kg wet	330	3330		82	40-130		
Dimethyl phthalate	2800		µg/kg wet	330	3330		84	40-130		
2,4-Dimethylphenol	2260		µg/kg wet	330	3330		68	40-130		
Di-n-butyl phthalate	2740		µg/kg wet	330	3330		82	40-130		
4,6-Dinitro-2-methylphenol	2320		µg/kg wet	330	3330		70	40-130		
2,4-Dinitrophenol	2170		µg/kg wet	330	3330		65	40-130		
2,4-Dinitrotoluene	2510		µg/kg wet	330	3330		75	40-130		
2,6-Dinitrotoluene	2380		µg/kg wet	330	3330		71	40-130		
Di-n-octyl phthalate	2700		µg/kg wet	330	3330		81	40-130		
Fluoranthene	2420		µg/kg wet	330	3330		73	40-130		
Fluorene	2330		µg/kg wet	330	3330		70	40-130		
Hexachlorobenzene	2200		µg/kg wet	330	3330		66	40-130		
Hexachlorobutadiene	2220		µg/kg wet	330	3330		67	40-130		
Hexachlorocyclopentadiene	1750		µg/kg wet	330	3330		53	40-130		
Hexachloroethane	2280		µg/kg wet	330	3330		68	40-130		
Indeno (1,2,3-cd) pyrene	2530		µg/kg wet	330	3330		76	40-130		
Isophorone	2240		µg/kg wet	330	3330		67	40-130		
1-Methylnaphthalene	2470		µg/kg wet	330	3330		74	40-140		
2-Methylnaphthalene	3130		µg/kg wet	330	3330		94	40-130		
2-Methylphenol	2290		µg/kg wet	330	3330		69	40-130		
3 & 4-Methylphenol	2520		µg/kg wet	330	3330		76	40-130		
Naphthalene	2340		µg/kg wet	330	3330		70	40-130		
2-Nitroaniline	2500		µg/kg wet	330	3330		75	40-130		
3-Nitroaniline	1650		µg/kg wet	330	3330		50	40-130		
4-Nitroaniline	2050		µg/kg wet	1320	3330		62	40-130		
Nitrobenzene	2220		µg/kg wet	330	3330		67	40-130		
2-Nitrophenol	2390		µg/kg wet	330	3330		72	40-130		
4-Nitrophenol	2500		µg/kg wet	1320	3330		75	40-130		
N-Nitrosodimethylamine	2690		µg/kg wet	330	3330		81	40-130		
N-Nitrosodi-n-propylamine	2710		µg/kg wet	330	3330		81	40-130		
N-Nitrosodiphenylamine	2720		µg/kg wet	330	3330		82	40-130		

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010464 - SW846 3550B										
LCS (9010464-BS1)										
Prepared: 09-Jan-09 Analyzed: 10-Jan-09										
Pentachlorophenol	2270		µg/kg wet	330	3330		68	40-130		
Phenanthrene	2370		µg/kg wet	330	3330		71	40-130		
Phenol	2330		µg/kg wet	330	3330		70	40-130		
Pyrene	2930		µg/kg wet	330	3330		88	40-130		
Pyridine	360		µg/kg wet	330	3330		11	0-130		
1,2,4-Trichlorobenzene	2250		µg/kg wet	330	3330		67	40-130		
2,4,5-Trichlorophenol	2460		µg/kg wet	330	3330		74	40-130		
2,4,6-Trichlorophenol	2380		µg/kg wet	330	3330		72	40-130		
Pentachloronitrobenzene	2220		µg/kg wet	330	3330		67	40-140		
1,2,4,5-Tetrachlorobenzene	2200		µg/kg wet	330	3330		66	40-140		
Surrogate: 2-Fluorobiphenyl	*2480*		µg/kg wet		*3330*		*74*	*30-130*		
Surrogate: 2-Fluorophenol	*2370*		µg/kg wet		*3330*		*71*	*15-110*		
Surrogate: Nitrobenzene-d5	*2510*		µg/kg wet		*3330*		*75*	*30-130*		
Surrogate: Phenol-d5	*2490*		µg/kg wet		*3330*		*75*	*15-110*		
Surrogate: Terphenyl-dl4	*2740*		µg/kg wet		*3330*		*82*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*2590*		µg/kg wet		*3330*		*78*	*15-110*		
Duplicate (9010464-DUP1) **Source: SA89544-03**										
Prepared: 09-Jan-09 Analyzed: 10-Jan-09										
Acenaphthene	BRL		µg/kg dry	253		BRL				50
Acenaphthylene	BRL		µg/kg dry	253		BRL				50
Aniline	BRL		µg/kg dry	253		BRL				50
Anthracene	BRL		µg/kg dry	253		BRL				50
Atrazine	BRL		µg/kg dry	253		BRL				50
Azobenzene/Diphenyldiazine	BRL		µg/kg dry	253		BRL				50
Benzidine	BRL		µg/kg dry	253		BRL				50
Benzo (a) anthracene	BRL		µg/kg dry	253		BRL				50
Benzo (a) pyrene	BRL		µg/kg dry	253		BRL				50
Benzo (b) fluoranthene	BRL		µg/kg dry	253		BRL				50
Benzo (g,h,i) perylene	BRL		µg/kg dry	253		BRL				50
Benzo (k) fluoranthene	BRL		µg/kg dry	253		BRL				50
Benzoic acid	BRL		µg/kg dry	253		BRL				50
Benzyl alcohol	BRL		µg/kg dry	253		BRL				50
Bis(2-chloroethoxy)methane	BRL		µg/kg dry	253		BRL				50
Bis(2-chloroethyl)ether	BRL		µg/kg dry	253		BRL				50
Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	253		BRL				50
Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	253		BRL				50
4-Bromophenyl phenyl ether	BRL		µg/kg dry	253		BRL				50
Butyl benzyl phthalate	BRL		µg/kg dry	253		BRL				50
Carbazole	BRL		µg/kg dry	253		BRL				50
4-Chloro-3-methylphenol	BRL		µg/kg dry	253		BRL				50
4-Chloroaniline	BRL		µg/kg dry	253		BRL				50
2-Chloronaphthalene	BRL		µg/kg dry	253		BRL				50
2-Chlorophenol	BRL		µg/kg dry	253		BRL				50
4-Chlorophenyl phenyl ether	BRL		µg/kg dry	253		BRL				50
Chrysene	BRL		µg/kg dry	253		BRL				50
Dibenzo (a,h) anthracene	BRL		µg/kg dry	253		BRL				50
Dibenzofuran	BRL		µg/kg dry	253		BRL				50
1,2-Dichlorobenzene	BRL		µg/kg dry	253		BRL				50
1,3-Dichlorobenzene	BRL		µg/kg dry	253		BRL				50
1,4-Dichlorobenzene	BRL		µg/kg dry	253		BRL				50

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010464 - SW846 3550B										
Duplicate (9010464-DUP1) **Source: SA89544-03**										
Prepared: 09-Jan-09 Analyzed: 10-Jan-09										
3,3'-Dichlorobenzidine	BRL		µg/kg dry	253		BRL				50
2,4-Dichlorophenol	BRL		µg/kg dry	253		BRL				50
Diethyl phthalate	BRL		µg/kg dry	253		BRL				50
Dimethyl phthalate	BRL		µg/kg dry	253		BRL				50
2,4-Dimethylphenol	BRL		µg/kg dry	253		BRL				50
Di-n-butyl phthalate	BRL		µg/kg dry	253		BRL				50
4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	253		BRL				50
2,4-Dinitrophenol	BRL		µg/kg dry	253		BRL				50
2,4-Dinitrotoluene	BRL		µg/kg dry	253		BRL				50
2,6-Dinitrotoluene	BRL		µg/kg dry	253		BRL				50
Di-n-octyl phthalate	BRL		µg/kg dry	253		BRL				50
Fluoranthene	BRL		µg/kg dry	253		BRL				50
Fluorene	BRL		µg/kg dry	253		BRL				50
Hexachlorobenzene	BRL		µg/kg dry	253		BRL				50
Hexachlorobutadiene	BRL		µg/kg dry	253		BRL				50
Hexachlorocyclopentadiene	BRL		µg/kg dry	253		BRL				50
Hexachloroethane	BRL		µg/kg dry	253		BRL				50
Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	253		BRL				50
Isophorone	BRL		µg/kg dry	253		BRL				50
1-Methylnaphthalene	BRL		µg/kg dry	253		BRL				50
2-Methylnaphthalene	BRL		µg/kg dry	253		BRL				50
2-Methylphenol	BRL		µg/kg dry	253		BRL				50
3 & 4-Methylphenol	BRL		µg/kg dry	253		BRL				50
Naphthalene	BRL		µg/kg dry	253		BRL				50
2-Nitroaniline	BRL		µg/kg dry	253		BRL				50
3-Nitroaniline	BRL		µg/kg dry	253		BRL				50
4-Nitroaniline	BRL		µg/kg dry	1010		BRL				50
Nitrobenzene	BRL		µg/kg dry	253		BRL				50
2-Nitrophenol	BRL		µg/kg dry	253		BRL				50
4-Nitrophenol	BRL		µg/kg dry	1010		BRL				50
N-Nitrosodimethylamine	BRL		µg/kg dry	253		BRL				50
N-Nitrosodi-n-propylamine	BRL		µg/kg dry	253		BRL				50
N-Nitrosodiphenylamine	BRL		µg/kg dry	253		BRL				50
Pentachlorophenol	BRL		µg/kg dry	253		BRL				50
Phenanthrene	BRL		µg/kg dry	253		BRL				50
Phenol	BRL		µg/kg dry	253		BRL				50
Pyrene	BRL		µg/kg dry	253		BRL				50
Pyridine	BRL		µg/kg dry	253		BRL				50
1,2,4-Trichlorobenzene	BRL		µg/kg dry	253		BRL				50
2,4,5-Trichlorophenol	BRL		µg/kg dry	253		BRL				50
2,4,6-Trichlorophenol	BRL		µg/kg dry	253		BRL				50
Pentachloronitrobenzene	BRL		µg/kg dry	253		BRL				50
1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	253		BRL				50
Surrogate: 2-Fluorobiphenyl	*917*		µg/kg dry		*2550*		*36*	*30-130*		
Surrogate: 2-Fluorophenol	*1010*		µg/kg dry		*2550*		*40*	*15-110*		
Surrogate: Nitrobenzene-d5	*883*		µg/kg dry		*2550*		*35*	*30-130*		
Surrogate: Phenol-d5	*876*		µg/kg dry		*2550*		*34*	*15-110*		
Surrogate: Terphenyl-d14	*1060*		µg/kg dry		*2550*		*42*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*963*		µg/kg dry		*2550*		*38*	*15-110*		

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010464 - SW846 3550B										
Matrix Spike (9010464-MS1) **Source: SA89544-03**										
Prepared: 09-Jan-09 Analyzed: 10-Jan-09										
Acenaphthene	1600		µg/kg dry	253	2550	BRL	63	40-140		
Benzo (b) fluoranthene	1640		µg/kg dry	253	2550	BRL	64	40-140		
Benzo (k) fluoranthene	1530		µg/kg dry	253	2550	BRL	60	40-140		
4-Chloro-3-methylphenol	1540		µg/kg dry	253	2550	BRL	60	30-130		
2-Chlorophenol	1550		µg/kg dry	253	2550	BRL	61	30-130		
Chrysene	1970		µg/kg dry	253	2550	BRL	77	40-140		
1,4-Dichlorobenzene	1700		µg/kg dry	253	2550	BRL	67	40-140		
Indeno (1,2,3-cd) pyrene	1620		µg/kg dry	253	2550	BRL	64	40-140		
Naphthalene	1490		µg/kg dry	253	2550	BRL	58	40-140		
4-Nitrophenol	1630		µg/kg dry	1010	2550	BRL	64	30-130		
N-Nitrosodi-n-propylamine	1760		µg/kg dry	253	2550	BRL	69	40-140		
Pentachlorophenol	1430		µg/kg dry	253	2550	BRL	56	30-130		
Phenol	1450		µg/kg dry	253	2550	BRL	57	30-130		
Pyrene	1910		µg/kg dry	253	2550	BRL	75	40-140		
1,2,4-Trichlorobenzene	1450		µg/kg dry	253	2550	BRL	57	40-140		
Surrogate: 2-Fluorobiphenyl	*1560*		µg/kg dry		*2550*		*61*	*30-130*		
Surrogate: 2-Fluorophenol	*1470*		µg/kg dry		*2550*		*58*	*15-110*		
Surrogate: Nitrobenzene-d5	*1580*		µg/kg dry		*2550*		*62*	*30-130*		
Surrogate: Phenol-d5	*1580*		µg/kg dry		*2550*		*62*	*15-110*		
Surrogate: Terphenyl-dl4	*1740*		µg/kg dry		*2550*		*68*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*1620*		µg/kg dry		*2550*		*63*	*15-110*		
Matrix Spike Dup (9010464-MSD1) **Source: SA89544-03**										
Prepared: 09-Jan-09 Analyzed: 10-Jan-09										
Acenaphthene	1660		µg/kg dry	252	2540	BRL	65	40-140	4	30
Benzo (b) fluoranthene	1650		µg/kg dry	252	2540	BRL	65	40-140	1	30
Benzo (k) fluoranthene	1650		µg/kg dry	252	2540	BRL	65	40-140	8	30
4-Chloro-3-methylphenol	1620		µg/kg dry	252	2540	BRL	63	30-130	5	30
2-Chlorophenol	1650		µg/kg dry	252	2540	BRL	65	30-130	6	30
Chrysene	2070		µg/kg dry	252	2540	BRL	81	40-140	5	30
1,4-Dichlorobenzene	1790		µg/kg dry	252	2540	BRL	70	40-140	5	30
Indeno (1,2,3-cd) pyrene	1650		µg/kg dry	252	2540	BRL	65	40-140	2	30
Naphthalene	1580		µg/kg dry	252	2540	BRL	62	40-140	6	30
4-Nitrophenol	1720		µg/kg dry	1010	2540	BRL	67	30-130	6	30
N-Nitrosodi-n-propylamine	1830		µg/kg dry	252	2540	BRL	72	40-140	4	30
Pentachlorophenol	1490		µg/kg dry	252	2540	BRL	58	30-130	4	30
Phenol	1600		µg/kg dry	252	2540	BRL	63	30-130	10	30
Pyrene	2030		µg/kg dry	252	2540	BRL	80	40-140	6	30
1,2,4-Trichlorobenzene	1520		µg/kg dry	252	2540	BRL	60	40-140	5	30
Surrogate: 2-Fluorobiphenyl	*1550*		µg/kg dry		*2540*		*61*	*30-130*		
Surrogate: 2-Fluorophenol	*1460*		µg/kg dry		*2540*		*57*	*15-110*		
Surrogate: Nitrobenzene-d5	*1570*		µg/kg dry		*2540*		*62*	*30-130*		
Surrogate: Phenol-d5	*1540*		µg/kg dry		*2540*		*60*	*15-110*		
Surrogate: Terphenyl-dl4	*1750*		µg/kg dry		*2540*		*69*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*1620*		µg/kg dry		*2540*		*64*	*15-110*		

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010461 - SW846 3545A										
Blank (9010461-BLK1)										
Prepared & Analyzed: 09-Jan-09										
PCB 1016	BRL		µg/kg wet	20.0						
PCB 1221	BRL		µg/kg wet	20.0						
PCB 1232	BRL		µg/kg wet	20.0						
PCB 1242	BRL		µg/kg wet	20.0						
PCB 1248	BRL		µg/kg wet	20.0						
PCB 1254	BRL		µg/kg wet	20.0						
PCB 1260	BRL		µg/kg wet	20.0						
PCB 1262	BRL		µg/kg wet	20.0						
PCB 1268	BRL		µg/kg wet	20.0						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*14.1*		µg/kg wet		*20.0*		*70*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*16.5*		µg/kg wet		*20.0*		*82*	*30-150*		
LCS (9010461-BS1)										
Prepared & Analyzed: 09-Jan-09										
PCB 1016	216		µg/kg wet	20.0	250		86	40-140		
PCB 1260	212		µg/kg wet	20.0	250		85	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*13.8*		µg/kg wet		*20.0*		*69*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*13.7*		µg/kg wet		*20.0*		*68*	*30-150*		
LCS Dup (9010461-BSD1)										
Prepared & Analyzed: 09-Jan-09										
PCB 1016	215		µg/kg wet	20.0	250		86	40-140	0.1	30
PCB 1260	221		µg/kg wet	20.0	250		88	40-140	4	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*13.8*		µg/kg wet		*20.0*		*69*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*13.7*		µg/kg wet		*20.0*		*68*	*30-150*		
Duplicate (9010461-DUP1) **Source: SA89577-02**										
Prepared & Analyzed: 09-Jan-09										
PCB 1016	BRL		µg/kg dry	19.9		BRL				40
PCB 1221	BRL		µg/kg dry	19.9		BRL				40
PCB 1232	BRL		µg/kg dry	19.9		BRL				40
PCB 1242	BRL		µg/kg dry	19.9		BRL				40
PCB 1248	BRL		µg/kg dry	19.9		BRL				40
PCB 1254	BRL		µg/kg dry	19.9		BRL				40
PCB 1260	BRL		µg/kg dry	19.9		BRL				40
PCB 1262	BRL		µg/kg dry	19.9		BRL				40
PCB 1268	BRL		µg/kg dry	19.9		BRL				40
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*15.1*		µg/kg dry		*19.8*		*76*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*15.3*		µg/kg dry		*19.8*		*77*	*30-150*		
Matrix Spike (9010461-MS1) **Source: SA89577-02**										
Prepared & Analyzed: 09-Jan-09										
PCB 1016	217		µg/kg dry	20.2	252	BRL	86	40-140		
PCB 1260	225		µg/kg dry	20.2	252	BRL	89	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*15.4*		µg/kg dry		*20.2*		*77*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*14.6*		µg/kg dry		*20.2*		*72*	*30-150*		
Matrix Spike Dup (9010461-MSD1) **Source: SA89577-02**										
Prepared: 09-Jan-09 Analyzed: 10-Jan-09										
PCB 1016	227		µg/kg dry	20.9	261	BRL	87	40-140	1	50
PCB 1260	236		µg/kg dry	20.9	261	BRL	91	40-140	1	50
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*15.6*		µg/kg dry		*20.8*		*75*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*15.1*		µg/kg dry		*20.8*		*72*	*30-150*		
Batch 9010470 - SW846 3550B										

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010470 - SW846 3550B										
Blank (9010470-BLK1)										
Prepared: 09-Jan-09 Analyzed: 12-Jan-09										
2,4,5-T	BRL		µg/kg wet	6.70						
2,4,5-T [2C]	BRL		µg/kg wet	6.70						
2,4,5-TP (Silvex)	BRL		µg/kg wet	6.70						
2,4,5-TP (Silvex) [2C]	BRL		µg/kg wet	6.70						
2,4-D	BRL		µg/kg wet	6.70						
2,4-D [2C]	BRL		µg/kg wet	6.70						
2,4-DB	BRL		µg/kg wet	6.70						
2,4-DB [2C]	BRL		µg/kg wet	6.70						
Dalapon	BRL		µg/kg wet	6.70						
Dalapon [2C]	BRL		µg/kg wet	6.70						
Dicamba	BRL		µg/kg wet	6.70						
Dicamba [2C]	BRL		µg/kg wet	6.70						
Dichlorprop	BRL		µg/kg wet	6.70						
Dichlorprop [2C]	BRL		µg/kg wet	6.70						
Dinoseb	BRL		µg/kg wet	6.70						
Dinoseb [2C]	BRL		µg/kg wet	6.70						
MCPA	BRL		µg/kg wet	670						
MCPA [2C]	BRL		µg/kg wet	670						
MCPB	BRL		µg/kg wet	670						
MCPB [2C]	BRL		µg/kg wet	670						
MCPP	BRL		µg/kg wet	670						
MCPP [2C]	BRL		µg/kg wet	670						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*15.7*		µg/kg wet		*13.3*		*118*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [	*12.7*		µg/kg wet		*13.3*		*96*	*30-150*		
LCS (9010470-BS1)										
Prepared: 09-Jan-09 Analyzed: 12-Jan-09										
2,4,5-T	20.3		µg/kg wet	6.70	33.3		61	40-140		
2,4,5-T [2C]	19.2		µg/kg wet	6.70	33.3		58	40-140		
2,4,5-TP (Silvex)	21.8		µg/kg wet	6.70	33.3		65	40-140		
2,4,5-TP (Silvex) [2C]	22.7		µg/kg wet	6.70	33.3		68	40-140		
2,4-D	18.1		µg/kg wet	6.70	33.3		54	40-140		
2,4-D [2C]	17.1		µg/kg wet	6.70	33.3		51	40-140		
2,4-DB	19.9		µg/kg wet	6.70	33.3		60	40-140		
2,4-DB [2C]	17.5		µg/kg wet	6.70	33.3		53	40-140		
Dalapon	19.1		µg/kg wet	6.70	33.3		57	40-140		
Dalapon [2C]	18.6		µg/kg wet	6.70	33.3		56	40-140		
Dicamba	21.0		µg/kg wet	6.70	33.3		63	40-140		
Dicamba [2C]	20.9		µg/kg wet	6.70	33.3		63	40-140		
Dichlorprop	24.9		µg/kg wet	6.70	33.3		75	40-140		
Dichlorprop [2C]	22.8		µg/kg wet	6.70	33.3		68	40-140		
Dinoseb	20.0		µg/kg wet	6.70	33.3		60	40-140		
Dinoseb [2C]	21.1		µg/kg wet	6.70	33.3		63	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*15.5*		µg/kg wet		*13.3*		*116*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [	*13.6*		µg/kg wet		*13.3*		*102*	*30-150*		
LCS (9010470-BS2)										
Prepared: 09-Jan-09 Analyzed: 12-Jan-09										
MCPA	8600		µg/kg wet	670	10000		86	40-140		
MCPA [2C]	8870		µg/kg wet	670	10000		89	40-140		
MCPB	8800		µg/kg wet	670	10000		88	40-140		

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010470 - SW846 3550B										
LCS (9010470-BS2)										
Prepared: 09-Jan-09 Analyzed: 12-Jan-09										
MCPB [2C]	8870		µg/kg wet	670	10000		89	40-140		
MCPP	7400		µg/kg wet	670	10000		74	40-140		
MCPP [2C]	8730		µg/kg wet	670	10000		87	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*16.3*		µg/kg wet		*13.3*		*122*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2	*14.8*		µg/kg wet		*13.3*		*111*	*30-150*		
LCS Dup (9010470-BSD1)										
Prepared: 09-Jan-09 Analyzed: 12-Jan-09										
2,4,5-T	21.3		µg/kg wet	6.70	33.3		64	40-140	4	25
2,4,5-T [2C]	20.6		µg/kg wet	6.70	33.3		62	40-140	7	25
2,4,5-TP (Silvex)	22.1		µg/kg wet	6.70	33.3		66	40-140	2	25
2,4,5-TP (Silvex) [2C]	22.1		µg/kg wet	6.70	33.3		66	40-140	2	25
2,4-D	20.3		µg/kg wet	6.70	33.3		61	40-140	11	25
2,4-D [2C]	18.3		µg/kg wet	6.70	33.3		55	40-140	6	25
2,4-DB	19.3		µg/kg wet	6.70	33.3		58	40-140	3	25
2,4-DB [2C]	16.1		µg/kg wet	6.70	33.3		48	40-140	8	25
Dalapon	19.0		µg/kg wet	6.70	33.3		57	40-140	0.4	25
Dalapon [2C]	18.3		µg/kg wet	6.70	33.3		55	40-140	1	25
Dicamba	22.2		µg/kg wet	6.70	33.3		67	40-140	6	25
Dicamba [2C]	21.1		µg/kg wet	6.70	33.3		63	40-140	1	25
Dichlorprop	24.5		µg/kg wet	6.70	33.3		74	40-140	1	25
Dichlorprop [2C]	23.4		µg/kg wet	6.70	33.3		70	40-140	3	25
Dinoseb	20.5		µg/kg wet	6.70	33.3		61	40-140	2	25
Dinoseb [2C]	20.9		µg/kg wet	6.70	33.3		63	40-140	0.6	25
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*15.9*		µg/kg wet		*13.3*		*119*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2	*13.7*		µg/kg wet		*13.3*		*102*	*30-150*		
LCS Dup (9010470-BSD2)										
Prepared: 09-Jan-09 Analyzed: 13-Jan-09										
MCPA	8400		µg/kg wet	670	10000		84	40-140	2	25
MCPA [2C]	8330		µg/kg wet	670	10000		83	40-140	6	25
MCPB	8470		µg/kg wet	670	10000		85	40-140	4	25
MCPB [2C]	8130		µg/kg wet	670	10000		81	40-140	9	25
MCPP	7200		µg/kg wet	670	10000		72	40-140	3	25
MCPP [2C]	8530		µg/kg wet	670	10000		85	40-140	2	25
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*15.6*		µg/kg wet		*13.3*		*117*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2	*14.3*		µg/kg wet		*13.3*		*107*	*30-150*		
Duplicate (9010470-DUP1) **Source: SA89544-02**										
Prepared: 09-Jan-09 Analyzed: 13-Jan-09										
2,4,5-T	BRL		µg/kg dry	6.70		BRL				30
2,4,5-T [2C]	BRL		µg/kg dry	6.70		BRL				30
2,4,5-TP (Silvex)	BRL		µg/kg dry	6.70		BRL				30
2,4,5-TP (Silvex) [2C]	BRL		µg/kg dry	6.70		BRL				30
2,4-D	BRL		µg/kg dry	6.70		BRL				30
2,4-D [2C]	BRL		µg/kg dry	6.70		BRL				30
2,4-DB	BRL		µg/kg dry	6.70		BRL				30
2,4-DB [2C]	BRL		µg/kg dry	6.70		BRL				30
Dalapon	BRL		µg/kg dry	6.70		BRL				30
Dalapon [2C]	BRL		µg/kg dry	6.70		BRL				30
Dicamba	BRL		µg/kg dry	6.70		BRL				30
Dicamba [2C]	BRL		µg/kg dry	6.70		BRL				30

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010470 - SW846 3550B										
Duplicate (9010470-DUP1) **Source: SA89544-02**										
Prepared: 09-Jan-09 Analyzed: 13-Jan-09										
Dichlorprop	BRL		µg/kg dry	6.70		BRL				30
Dichlorprop [2C]	BRL		µg/kg dry	6.70		BRL				30
Dinoseb	BRL		µg/kg dry	6.70		BRL				30
Dinoseb [2C]	BRL		µg/kg dry	6.70		BRL				30
MCPA	BRL		µg/kg dry	670		BRL				30
MCPA [2C]	BRL		µg/kg dry	670		BRL				30
MCPB	BRL		µg/kg dry	670		BRL				30
MCPB [2C]	BRL		µg/kg dry	670		BRL				30
MCPP	BRL		µg/kg dry	670		BRL				30
MCPP [2C]	BRL		µg/kg dry	670		BRL				30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*18.6*		µg/kg dry		*17.7*		*105*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [.	*13.9*		µg/kg dry		*17.7*		*78*	*30-150*		

Extractable Petroleum Hydrocarbons - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010462 - SW846 3550B										
Blank (9010462-BLK1)										
Prepared: 09-Jan-09 Analyzed: 12-Jan-09										
Gasoline	BRL		mg/kg wet	13.3						
Fuel Oil #2	BRL		mg/kg wet	13.3						
Fuel Oil #4	BRL		mg/kg wet	13.3						
Fuel Oil #6	BRL		mg/kg wet	13.3						
Motor Oil	BRL		mg/kg wet	13.3						
Aviation Fuel	BRL		mg/kg wet	13.3						
Unidentified	BRL		mg/kg wet	13.3						
Other Oil	BRL		mg/kg wet	13.3						
Total Petroleum Hydrocarbons	BRL		mg/kg wet	13.3						
C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg wet	13.3						
Surrogate: 1-Chlorooctadecane	*3.22*		mg/kg wet		*3.33*		*97*	*50-150*		
LCS (9010462-BS1)										
Prepared: 09-Jan-09 Analyzed: 12-Jan-09										
C9-C36 Aliphatic Hydrocarbons	61.2		mg/kg wet	13.3	93.3		66	60-120		
Surrogate: 1-Chlorooctadecane	*1.71*		mg/kg wet		*3.33*		*51*	*50-150*		
Duplicate (9010462-DUP1) **Source: SA89544-03**										
Prepared: 09-Jan-09 Analyzed: 12-Jan-09										
Gasoline	BRL		mg/kg dry	20.4		BRL				50
Fuel Oil #2	BRL		mg/kg dry	20.4		BRL				50
Fuel Oil #4	BRL		mg/kg dry	20.4		BRL				50
Fuel Oil #6	BRL		mg/kg dry	20.4		BRL				50
Motor Oil	BRL		mg/kg dry	20.4		BRL				50
Aviation Fuel	BRL		mg/kg dry	20.4		BRL				50
Unidentified	BRL		mg/kg dry	20.4		BRL				50
Other Oil	BRL		mg/kg dry	20.4		BRL				50
Total Petroleum Hydrocarbons	BRL		mg/kg dry	20.4		BRL				50
C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	20.4		BRL				50
Surrogate: 1-Chlorooctadecane	*2.51*		mg/kg dry		*2.55*		*98*	*50-150*		
Matrix Spike (9010462-MS1) **Source: SA89544-03**										
Prepared: 09-Jan-09 Analyzed: 12-Jan-09										
C9-C36 Aliphatic Hydrocarbons	92.0		mg/kg dry	20.7	145	BRL	63	50-150		
Surrogate: 1-Chlorooctadecane	*2.66*		mg/kg dry		*5.19*		*51*	*50-150*		
Matrix Spike Dup (9010462-MSD1) **Source: SA89544-03**										
Prepared: 09-Jan-09 Analyzed: 12-Jan-09										
C9-C36 Aliphatic Hydrocarbons	95.7		mg/kg dry	20.0	140	BRL	68	50-150	7	30
Surrogate: 1-Chlorooctadecane	*2.85*		mg/kg dry		*5.01*		*57*	*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 9010410 - SW846 3050B										
Blank (9010410-BLK1)										
Prepared: 08-Jan-09 Analyzed: 09-Jan-09										
Selenium	BRL		mg/kg wet	1.28						
Lead	BRL		mg/kg wet	1.28						
Arsenic	BRL		mg/kg wet	1.28						
Silver	BRL		mg/kg wet	1.28						
Cadmium	BRL		mg/kg wet	0.428						
Chromium	BRL		mg/kg wet	0.856						
Barium	BRL		mg/kg wet	0.856						
Duplicate (9010410-DUP1)	**Source: SA89539-05**									
Prepared: 08-Jan-09 Analyzed: 09-Jan-09										
Lead	22.1	QR6	mg/kg dry	1.49		7.91			95	20
Selenium	1.35	J	mg/kg dry	1.49		1.28			5	20
Silver	BRL		mg/kg dry	1.49		BRL				20
Cadmium	0.218	J	mg/kg dry	0.495		0.178			20	20
Arsenic	1.07	J,QR8	mg/kg dry	1.49		0.820			27	20
Chromium	6.76	QR6	mg/kg dry	0.990		5.45			22	20
Barium	21.3		mg/kg dry	0.990		18.2			16	20
Matrix Spike (9010410-MS1)	**Source: SA89544-01**									
Prepared: 08-Jan-09 Analyzed: 09-Jan-09										
Selenium	185		mg/kg dry	2.23	186	2.88	98	75-125		
Lead	325		mg/kg dry	2.23	186	139	100	75-125		
Chromium	198		mg/kg dry	1.49	186	12.6	100	75-125		
Arsenic	330		mg/kg dry	2.23	186	130	108	75-125		
Silver	182		mg/kg dry	2.23	186	BRL	98	75-125		
Cadmium	189		mg/kg dry	0.743	186	0.751	102	75-125		
Barium	301		mg/kg dry	1.49	186	99.3	109	75-125		
Matrix Spike Dup (9010410-MSD1)	**Source: SA89544-01**									
Prepared: 08-Jan-09 Analyzed: 09-Jan-09										
Selenium	193		mg/kg dry	2.35	196	2.88	97	75-125	4	20
Lead	344		mg/kg dry	2.35	196	139	104	75-125	6	20
Silver	192		mg/kg dry	2.35	196	BRL	98	75-125	6	20
Arsenic	333		mg/kg dry	2.35	196	130	104	75-125	1	20
Cadmium	200		mg/kg dry	0.784	196	0.751	102	75-125	5	20
Chromium	211		mg/kg dry	1.57	196	12.6	101	75-125	6	20
Barium	310		mg/kg dry	1.57	196	99.3	108	75-125	3	20
Post Spike (9010410-PS1)	**Source: SA89544-01**									
Prepared: 08-Jan-09 Analyzed: 09-Jan-09										
Selenium	199		mg/kg dry	2.35	196	2.88	100	80-120		
Lead	332		mg/kg dry	2.35	196	139	98	80-120		
Silver	196		mg/kg dry	2.35	196	BRL	100	80-120		
Chromium	211		mg/kg dry	1.56	196	12.6	101	80-120		
Arsenic	324		mg/kg dry	2.35	196	130	99	80-120		
Cadmium	202		mg/kg dry	0.782	196	0.751	103	80-120		
Barium	288		mg/kg dry	1.56	196	99.3	97	80-120		
Reference (9010410-SRM1)										
Prepared: 08-Jan-09 Analyzed: 09-Jan-09										
Selenium	142		mg/kg wet	1.50	148		97	76.6-123.1		
Lead	45.8		mg/kg wet	1.50	44.4		103	78.8-120.9		

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

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010410 - SW846 3050B										
Reference (9010410-SRM1)										
Prepared: 08-Jan-09 Analyzed: 09-Jan-09										
Arsenic	54.8		mg/kg wet	1.50	53.7		102	77.6-123.1		
Silver	15.8		mg/kg wet	1.50	15.5		102	66.4-133.6		
Chromium	126		mg/kg wet	1.00	122		103	79.7-120.3		
Cadmium	31.1		mg/kg wet	0.500	31.3		99	80.9-119.3		
Barium	105		mg/kg wet	1.00	102		103	79.8-119.7		
Reference (9010410-SRM2)										
Prepared: 08-Jan-09 Analyzed: 09-Jan-09										
Lead	54.4	QC1	mg/kg wet	1.50	43.7		124	78.8-120.9		
Selenium	145		mg/kg wet	1.50	145		99	76.6-123.1		
Chromium	127		mg/kg wet	1.00	120		106	79.7-120.3		
Cadmium	31.9		mg/kg wet	0.500	30.8		103	80.9-119.3		
Silver	15.9		mg/kg wet	1.50	15.3		104	66.4-133.6		
Arsenic	55.5		mg/kg wet	1.50	52.9		105	77.6-123.1		
Barium	103		mg/kg wet	1.00	101		102	79.8-119.7		
Batch 9010411 - EPA200/SW7000 Series										
Blank (9010411-BLK1)										
Prepared: 08-Jan-09 Analyzed: 14-Jan-09										
Mercury	BRL		mg/kg wet	0.0281						
Duplicate (9010411-DUP1) **Source: SA89539-05**										
Prepared: 08-Jan-09 Analyzed: 14-Jan-09										
Mercury	0.0058	J	mg/kg dry	0.0289		BRL				20
Matrix Spike (9010411-MS1) **Source: SA89544-01**										
Prepared: 08-Jan-09 Analyzed: 14-Jan-09										
Mercury	0.840		mg/kg dry	0.0485	0.674	0.104	109	75-125		
Matrix Spike Dup (9010411-MSD1) **Source: SA89544-01**										
Prepared: 08-Jan-09 Analyzed: 14-Jan-09										
Mercury	0.844		mg/kg dry	0.0492	0.683	0.104	108	75-125	0.4	20
Post Spike (9010411-PS1) **Source: SA89544-01**										
Prepared: 08-Jan-09 Analyzed: 14-Jan-09										
Mercury	0.864		mg/kg dry	0.0481	0.668	0.104	114	80-120		
Reference (9010411-SRM1)										
Prepared: 08-Jan-09 Analyzed: 14-Jan-09										
Mercury	2.46		mg/kg wet	0.0300	2.16		114	71.7-128.8		

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

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9020245 - SW846 3010A										
Blank (9020245-BLK1)										
Prepared & Analyzed: 05-Feb-09										
Lead	BRL		mg/l	0.0150						
Arsenic	BRL		mg/l	0.0080						
LCS (9020245-BS1)										
Prepared & Analyzed: 05-Feb-09										
Lead	2.38		mg/l	0.0150	2.50		95	85-115		
Arsenic	2.47		mg/l	0.0080	2.50		99	85-115		
LCS Dup (9020245-BSD1)										
Prepared & Analyzed: 05-Feb-09										
Lead	2.33		mg/l	0.0150	2.50		93	85-115	2	20
Arsenic	2.43		mg/l	0.0080	2.50		97	85-115	1	20
Duplicate (9020245-DUP1)	**Source: SA90516-02**									
Prepared & Analyzed: 05-Feb-09										
Lead	0.662		mg/l	0.0150		0.666			0.6	20
Arsenic	1.07		mg/l	0.0080		1.08			0.9	20
Matrix Spike (9020245-MS1)	**Source: SA90516-01**									
Prepared & Analyzed: 05-Feb-09										
Lead	5.65		mg/l	0.0150	2.50	3.31	94	75-125		
Arsenic	2.54		mg/l	0.0080	2.50	0.0114	101	75-125		
Matrix Spike Dup (9020245-MSD1)	**Source: SA90516-01**									
Prepared & Analyzed: 05-Feb-09										
Lead	5.67		mg/l	0.0150	2.50	3.31	95	75-125	0.4	20
Arsenic	2.55		mg/l	0.0080	2.50	0.0114	102	75-125	0.3	20
Post Spike (9020245-PS1)	**Source: SA90516-01**									
Prepared & Analyzed: 05-Feb-09										
Lead	5.65		mg/l	0.0150	2.50	3.31	94	75-125		
Arsenic	2.58		mg/l	0.0080	2.50	0.0114	103	75-125		

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

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9011167 - SW846 3010A										
Blank (9011167-BLK1)										
Prepared & Analyzed: 20-Jan-09										
Lead	BRL		mg/l	0.0150						
Chromium	BRL		mg/l	0.0100						
Arsenic	BRL		mg/l	0.0080						
LCS (9011167-BS1)										
Prepared & Analyzed: 20-Jan-09										
Lead	2.58		mg/l	0.0150	2.50		103	85-115		
Arsenic	2.52		mg/l	0.0080	2.50		101	85-115		
Chromium	2.56		mg/l	0.0100	2.50		102	85-115		
LCS Dup (9011167-BSD1)										
Prepared & Analyzed: 20-Jan-09										
Lead	2.64		mg/l	0.0150	2.50		105	85-115	2	20
Chromium	2.60		mg/l	0.0100	2.50		104	85-115	1	20
Arsenic	2.56		mg/l	0.0080	2.50		102	85-115	1	20
Duplicate (9011167-DUP1)	**Source: SA89544-05**									
Prepared & Analyzed: 20-Jan-09										
Lead	BRL		mg/l	0.0150		BRL				20
Arsenic	BRL		mg/l	0.0080		BRL				20
Chromium	BRL		mg/l	0.0100		BRL				20
Matrix Spike (9011167-MS1)	**Source: SA89355-01**									
Prepared & Analyzed: 20-Jan-09										
Lead	2.65		mg/l	0.0150	2.50	0.0105	106	75-125		
Chromium	2.55		mg/l	0.0100	2.50	BRL	102	75-125		
Arsenic	2.52		mg/l	0.0080	2.50	BRL	101	75-125		
Matrix Spike Dup (9011167-MSD1)	**Source: SA89355-01**									
Prepared & Analyzed: 20-Jan-09										
Lead	2.63		mg/l	0.0150	2.50	0.0105	105	75-125	0.9	20
Arsenic	2.50		mg/l	0.0080	2.50	BRL	100	75-125	0.6	20
Chromium	2.51		mg/l	0.0100	2.50	BRL	100	75-125	2	20
Post Spike (9011167-PS1)	**Source: SA89355-01**									
Prepared & Analyzed: 20-Jan-09										
Lead	2.66		mg/l	0.0150	2.50	0.0105	106	75-125		
Arsenic	2.55		mg/l	0.0080	2.50	BRL	102	75-125		
Chromium	2.56		mg/l	0.0100	2.50	BRL	102	75-125		

General Chemistry Parameters - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010422 - General Preparation										
Duplicate (9010422-DUP1)	**Source: SA89444-09**									
Prepared & Analyzed: 08-Jan-09										
% Solids	61.9		%			61.4			0.8	20

Notes and Definitions

QC1	Analyte out of acceptance range.
QC2	Analyte out of acceptance range in QC spike but no reportable concentration present in sample.
QR6	The RPD exceeded the QC control limits; however precision is demonstrated with acceptable RPD values for MS/MSD.
QR8	Analyses are not controlled on RPD values from sample concentrations that are less than 5 times the reporting level. The batch is accepted based upon the difference between the sample and duplicate is less than or equal to the reporting limit.
VC10	The VOC preserved soil sample is not within the 1:1 weight to volume ratio as recommended by SW846 methods 5030 and 5035 but may be within the 1:1 volume to volume ratio. This variance may affect the final reporting limit.
BRL	Below Reporting Limit - Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference
J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).

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

Interpretation of Total Petroleum Hydrocarbon Report

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

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

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

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

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

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

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

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

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

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

Validated by:
Hanibal C. Tayeh, Ph.D.
Nicole Leja
Rebecca Merz

SA 89544 OK

SPECTRUM ANALYTICAL, INC.
Focusing
HANDBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

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

Report To: Tetra Tech
150 Trumbull St. 4th fl.
Hartford, CT 0610

Project Mgr.: David Brassard

Invoice To: DAS # 44236

P.O. No.: _____ RQN: _____

Project No.: 121-17797-08011
Site Name: Hartford Busway
Location: West Hartford State: CT
Sampler(s): Patrick S. deFeudis

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

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

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analyses: VOC 8260	SVOC 8270	CT ETPH	PCB 8082	Herbicides 8151	Total RCRA 8 Metals	QA Reporting Notes: (check if needed)
SA 89544	RSB-C45	1/6/08	1330	G	SO	7	3	2			X	X	X	X	X	X	☐ Provide MA DEP MCP CAM Report ☐ Provide CT DPH RCP Report QA/QC Reporting Level ☒ Standard ☐ No QC ☐ Other _____ *State specific reporting standards: CT
	RSB-C46		1230														
	RSB-C47		1100														
	RSB-C48		1000														
	RSB-C49		830														

☐ Fax results when available to (____) _____
☒ E-mail to patrick.defeudis@tetratech.com
EDD Format _____
Condition upon receipt: ☐ Iced ☐ Ambient ☐ °C 2.3°

Relinquished by:	Received by:	Date:	Time:
Patrick S. deFeudis		1-7-09	1025
		1/7/09	1155

-7° DC

SA 825447 CK

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

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

Report To: Tetra Tech
150 Trumbull St. 4th fl.
Hartford, CT 0610
Project Mgr.: David Brassard

Invoice To: DAS # 44236
P.O. No.: _____ RQN: _____

Project No.: 122-17797-08011
Site Name: Hartford Busway
Location: West Hartford State: CT
Sampler(s): Patrick S. de Paula

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

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

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analyses: VOC 8260	SVOC 8270	CT ETPH	PCB 8082	Herbicides 8151	Total RCRA 8 Metals	SPLP Pb, As, Cr	QA Reporting Notes: (check if needed)
SA 825447-11	RSB-C45	1/16/08	1330	G	SO	7	3	2			X	X	X	X	X	X	X	Added Per client request 1/16
12	RSB-C46		1230															
13	RSB-C47		1400															
14	RSB-C48		1000															
V 15	RSB-C49	V	830	V	V	V	V	V			V	V	V	V	V	V	X	

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

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

State specific reporting standards: CT

Relinquished by:	Received by:	Date:	Time:
Patrick S. de Paula		1-7-09	1025
		1/8/09	1150

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

Condition upon receipt: ☐ Iced ☐ Ambient ☐ °C 2.3°
-3° DL

SA 89544 OK

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

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

Report To: Tetra Tech
150 Trumbull St. 4th fl.
Hartford, CT 0610

Invoice To: DAS # 44236

Project No.: 127-12797-08011
Site Name: Hartford Busway
Location: West Hartford State: CT
Sampler(s): Patrick S. de Paula

Project Mgr.: David Brassard

P.O. No.: _____ RQN: _____

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

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

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analyses: VOC 8260	SVOC 8270	CT ETPH	PCB 8082	Pesticides 8151 Total RCRA 8 metals	SPLP Pb, As, Cr	TCLP Pb, As, Cr	QA Reporting Notes: (check if needed)
A 89544-01	RSB-C45	1/6/08	1330	G	SO	7	3	2			X	X	X	X	X	X	X	added per client request 1/16
02	RSB-C46	"	1230	"	"	"	"	"			"	"	"	"	"	"	"	
03	RSB-C47	"	1400	"	"	"	"	"			"	"	"	"	"	"	"	
04	RSB-C48	"	1000	"	"	"	"	"			"	"	"	"	"	"	"	
05	RSB-C49	"	830	"	"	"	"	"			"	"	"	"	"	X	"	
																		Added 2/3/09 See attached

QA Reporting Notes:
- ☐ Provide MA DEP MCP CAM Report
- ☐ Provide CT DPH RCP Report

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

State specific reporting standards: CT

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

Condition upon receipt: ☐ Iced ☐ Ambient ☐ °C 2.3°

Relinquished by:	Received by:	Date:	Time:
Patrick S. deParde		1-7-09	1025
		1/7/09	1152

7" DC

Report Date:
10-Feb-09 12:43

☐ Final Report
☐ Re-Issued Report
☑ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

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

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

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SA89355-01	RSB-C53	Soil	29-Dec-08 10:45	30-Dec-08 14:20
SA89355-02	RSB-C54	Soil	29-Dec-08 11:00	30-Dec-08 14:20
SA89355-03	RSB-C54(GW)	Ground Water	29-Dec-08 12:00	30-Dec-08 14:20
SA89355-04	RSB-C55	Soil	29-Dec-08 13:30	30-Dec-08 14:20
SA89355-05	RSB-C56	Soil	29-Dec-08 14:00	30-Dec-08 14:20
SA89355-06	Trip Blank	Ground Water	29-Dec-08 15:30	30-Dec-08 14:20

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

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

Authorized by:

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

Technical Reviewer's Initial:

Spectrum Analytical holds certification in the State of New York for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of New York does not offer certification for all analytes.
Please note that this report contains 80 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supercedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report is available upon request. This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

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

Please contact the Laboratory or Technical Director at 800-789-9115 with any questions regarding the data contained in this laboratory report.

CASE NARRATIVE:

The samples were received 5.1 degrees Celsius, please refer to the Chain of Custody for details specific to temperature upon receipt. An infrared thermometer with a tolerance of +/- 2.0 degrees Celsius was used immediately upon receipt of the samples.

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

+CT ETPH

Samples:

SA89355-03 *RSB-C54(GW)*

Elevated Reporting Limits due to limited sample volume.

SW846 1311

Samples:

SA89355-01 *RSB-C53*

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

TCLP Extraction

SW846 6010B

Duplicates:

9010121-DUP1 *Source: SA89368-01*

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

Arsenic

SW846 7471A

Duplicates:

9010041-DUP1 *Source: SA89355-01*

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

Mercury

SW846 8151A

Laboratory Control Samples:

9010122-BSD2

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

MCPA

9010153-BSD2

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

MCPP [2C]

SW846 8151A

Samples:

SA89355-03 *RSB-C54(GW)*

Elevated Reporting Limits due to limited sample volume.

SW846 8260B

Laboratory Control Samples:

9010204-BSD1

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

Acetone
Tert-amyl methyl ether

9010206-BS1

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

1,2,3-Trichlorobenzene
1,2,4-Trichlorobenzene
Hexachlorobutadiene
Naphthalene

Analyte out of acceptance range.

1,3,5-Trichlorobenzene

9010206-BSD1

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

1,2,3-Trichlorobenzene
1,2,4-Trichlorobenzene
Hexachlorobutadiene
Naphthalene

Analyte out of acceptance range.

trans-1,4-Dichloro-2-butene

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

2,2-Dichloropropane
Carbon disulfide

9010327-BS1

Analyte out of acceptance range.

1,1,2-Trichlorotrifluoroethane (Freon 113)
Vinyl chloride

9010327-BSD1

RPD out of acceptance range.

Vinyl chloride

9010382-BSD1

Analyte out of acceptance range.

Chloromethane

SW846 8260B

Spikes:

9010206-MS1 *Source: SA89428-01*

MS/ MSD failed 12hr time window

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

Trichloroethene

9010206-MSD1 *Source: SA89428-01*

MS/ MSD failed 12hr time window

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

Trichloroethene

SW846 8270C

Laboratory Control Samples:

9010185-BS1

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

4-Chloroaniline
Aniline
Hexachlorocyclopentadiene

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C53 SA89355-01	127-17797-08011	Soil	29-Dec-08 10:45	30-Dec-08

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	31-Dec-08	31-Dec-08	8122150	
Volatile Organic Compounds						Initial weight: 4.36 g					
Prepared by method SW846 5035A Soil (low level)											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	9.3	1	SW846 8260B	06-Jan-09	06-Jan-09	9010204	X
67-64-1	Acetone	BRL		µg/kg dry	93.1	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	9.3	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	9.3	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	9.3	1	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	9.3	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	9.3	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	9.3	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	18.6	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	93.1	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	9.3	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	9.3	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	9.3	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	46.6	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	9.3	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	9.3	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	18.6	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	9.3	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	18.6	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	9.3	1	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	9.3	1	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	18.6	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	9.3	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	9.3	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	9.3	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	9.3	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	9.3	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	9.3	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	18.6	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	9.3	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	9.3	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	9.3	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	9.3	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	9.3	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	9.3	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	9.3	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	9.3	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	9.3	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	9.3	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	9.3	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	9.3	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	9.3	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	93.1	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	9.3	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	9.3	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	9.3	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	93.1	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	93.1	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	9.3	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C53 SA89355-01	127-17797-08011	Soil	29-Dec-08 10:45	30-Dec-08

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
Volatile Organic Compounds											
Prepared by method SW846 5035A Soil (low level)					Initial weight: 4.36 g						
103-65-1	n-Propylbenzene	BRL		µg/kg dry	9.3	1	SW846 8260B	06-Jan-09	06-Jan-09	9010204	X
100-42-5	Styrene	BRL		µg/kg dry	9.3	1	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	9.3	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	9.3	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	9.3	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	9.3	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	9.3	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	9.3	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	9.3	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	9.3	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	9.3	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	9.3	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	9.3	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	9.3	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	9.3	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	9.3	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	9.3	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	18.6	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	9.3	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	93.1	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	9.3	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	9.3	1	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	9.3	1	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	9.3	1	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	93.1	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	186	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	46.6	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	3720	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*88*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*92*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*118*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*101*		*70-130 %*			"	"	"	"	
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
83-32-9	Acenaphthene	BRL		µg/kg dry	432	1	SW846 8270C	06-Jan-09	12-Jan-09	9010185	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	432	1	"	"	"	"	X
62-53-3	Aniline	BRL		µg/kg dry	432	1	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	432	1	"	"	"	"	X
1912-24-9	Atrazine	BRL		µg/kg dry	432	1	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/kg dry	432	1	"	"	"	"	
92-87-5	Benzidine	BRL		µg/kg dry	432	1	"	"	"	"	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	432	1	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	432	1	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	432	1	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	432	1	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	432	1	"	"	"	"	X
65-85-0	Benzoic acid	BRL		µg/kg dry	432	1	"	"	"	"	X
100-51-6	Benzyl alcohol	BRL		µg/kg dry	432	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C53 SA89355-01	127-17797-08011	Soil	29-Dec-08 10:45	30-Dec-08

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
111-91-1	Bis(2-chloroethoxy)methane	BRL		µg/kg dry	432	1	SW846 8270C	06-Jan-09	12-Jan-09	9010185	X
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/kg dry	432	1	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	432	1	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	432	1	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/kg dry	432	1	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	BRL		µg/kg dry	432	1	"	"	"	"	X
86-74-8	Carbazole	BRL		µg/kg dry	432	1	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	BRL		µg/kg dry	432	1	"	"	"	"	X
106-47-8	4-Chloroaniline	BRL		µg/kg dry	432	1	"	"	"	"	X
91-58-7	2-Chloronaphthalene	BRL		µg/kg dry	432	1	"	"	"	"	X
95-57-8	2-Chlorophenol	BRL		µg/kg dry	432	1	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/kg dry	432	1	"	"	"	"	X
218-01-9	Chrysene	465		µg/kg dry	432	1	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	432	1	"	"	"	"	X
132-64-9	Dibenzofuran	BRL		µg/kg dry	432	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	432	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	432	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	432	1	"	"	"	"	X
91-94-1	3,3'-Dichlorobenzidine	BRL		µg/kg dry	432	1	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	BRL		µg/kg dry	432	1	"	"	"	"	X
84-66-2	Diethyl phthalate	BRL		µg/kg dry	432	1	"	"	"	"	X
131-11-3	Dimethyl phthalate	BRL		µg/kg dry	432	1	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	BRL		µg/kg dry	432	1	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	BRL		µg/kg dry	432	1	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	432	1	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	BRL		µg/kg dry	432	1	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	BRL		µg/kg dry	432	1	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	BRL		µg/kg dry	432	1	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	BRL		µg/kg dry	432	1	"	"	"	"	X
206-44-0	Fluoranthene	688		µg/kg dry	432	1	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	432	1	"	"	"	"	X
118-74-1	Hexachlorobenzene	BRL		µg/kg dry	432	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	432	1	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	BRL		µg/kg dry	432	1	"	"	"	"	X
67-72-1	Hexachloroethane	BRL		µg/kg dry	432	1	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	432	1	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	432	1	"	"	"	"	
78-59-1	Isophorone	BRL		µg/kg dry	432	1	"	"	"	"	X
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	432	1	"	"	"	"	X
95-48-7	2-Methylphenol	BRL		µg/kg dry	432	1	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	BRL		µg/kg dry	432	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	432	1	"	"	"	"	X
88-74-4	2-Nitroaniline	BRL		µg/kg dry	432	1	"	"	"	"	X
99-09-2	3-Nitroaniline	BRL		µg/kg dry	432	1	"	"	"	"	X
100-01-6	4-Nitroaniline	BRL		µg/kg dry	1730	1	"	"	"	"	X
98-95-3	Nitrobenzene	BRL		µg/kg dry	432	1	"	"	"	"	X
88-75-5	2-Nitrophenol	BRL		µg/kg dry	432	1	"	"	"	"	X
100-02-7	4-Nitrophenol	BRL		µg/kg dry	1730	1	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	BRL		µg/kg dry	432	1	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/kg dry	432	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C53	127-17797-08011	Soil	29-Dec-08 10:45	30-Dec-08
SA89355-01				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
86-30-6	N-Nitrosodiphenylamine	BRL		µg/kg dry	432	1	SW846 8270C	06-Jan-09	12-Jan-09	9010185	X
87-86-5	Pentachlorophenol	BRL		µg/kg dry	432	1	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	432	1	"	"	"	"	X
108-95-2	Phenol	BRL		µg/kg dry	432	1	"	"	"	"	X
129-00-0	Pyrene	754		µg/kg dry	432	1	"	"	"	"	X
110-86-1	Pyridine	BRL		µg/kg dry	432	1	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	432	1	"	"	"	"	X
95-95-4	2,4,5-Trichlorophenol	BRL		µg/kg dry	432	1	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	BRL		µg/kg dry	432	1	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	BRL		µg/kg dry	432	1	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	432	1	"	"	"	"	X
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*72*		*30-130 %*			"	"	"	"	
367-12-4	*2-Fluorophenol*	*77*		*15-110 %*			"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*70*		*30-130 %*			"	"	"	"	
4165-62-2	*Phenol-d5*	*66*		*15-110 %*			"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*96*		*30-130 %*			"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*74*		*15-110 %*			"	"	"	"	
Semivolatile Organic Compounds by GC											
Polychlorinated Biphenyls by SW846 8082											
Prepared by method SW846 3550B											
12674-11-2	PCB 1016	BRL		µg/kg dry	25.9	1	SW846 8082	02-Jan-09	03-Jan-09	9010001	X
11104-28-2	PCB 1221	BRL		µg/kg dry	25.9	1	"	"	"	"	X
11141-16-5	PCB 1232	BRL		µg/kg dry	25.9	1	"	"	"	"	X
53469-21-9	PCB 1242	BRL		µg/kg dry	25.9	1	"	"	"	"	X
12672-29-6	PCB 1248	BRL		µg/kg dry	25.9	1	"	"	"	"	X
11097-69-1	PCB 1254	BRL		µg/kg dry	25.9	1	"	"	"	"	X
11096-82-5	PCB 1260	BRL		µg/kg dry	25.9	1	"	"	"	"	X
37324-23-5	PCB 1262	BRL		µg/kg dry	25.9	1	"	"	"	"	X
11100-14-4	PCB 1268	BRL		µg/kg dry	25.9	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*61*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*56*		*30-150 %*			"	"	"	"	
Chlorinated Herbicides by SW846 8151A											
Prepared by method SW846 3550B											
93-76-5	2,4,5-T	BRL		µg/kg dry	6.70	1	SW846 8151A	05-Jan-09	08-Jan-09	9010153	X
93-72-1	2,4,5-TP (Silvex)	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-75-7	2,4-D	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-82-6	2,4-DB	BRL		µg/kg dry	6.70	1	"	"	"	"	X
75-99-0	Dalapon	BRL		µg/kg dry	6.70	1	"	"	"	"	X
1918-00-9	Dicamba	BRL		µg/kg dry	6.70	1	"	"	"	"	X
120-36-5	Dichlorprop	BRL		µg/kg dry	6.70	1	"	"	"	"	X
88-85-7	Dinoseb	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-74-6	MCPA	BRL		µg/kg dry	670	1	"	"	"	"	X
94-81-5	MCPB	BRL		µg/kg dry	670	1	"	"	"	"	
93-65-2	MCPP	BRL		µg/kg dry	670	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*100*		*30-150 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C53 SA89355-01	127-17797-08011	Soil	29-Dec-08 10:45	30-Dec-08

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3550B											
8006-61-9	Gasoline	BRL		mg/kg dry	17.4	1	+CT ETPH	06-Jan-09	07-Jan-09	9010184	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	17.4	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	17.4	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	17.4	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	17.4	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	17.4	1	"	"	"	"	
	Unidentified	61.6		mg/kg dry	17.4	1	"	"	"	"	
	Other Oil	Calculated as		mg/kg dry	17.4	1	"	"	"	"	
	Total Petroleum Hydrocarbons	61.6		mg/kg dry	17.4	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	61.6		mg/kg dry	17.4	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*85*		*50-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	BRL		mg/kg dry	1.82	1	SW846 6010B	02-Jan-09	08-Jan-09	9010039	X
7440-38-2	Arsenic	45.1		mg/kg dry	1.82	1	"	"	"	"	X
7440-39-3	Barium	86.7		mg/kg dry	1.21	1	"	"	"	"	X
7440-43-9	Cadmium	BRL		mg/kg dry	0.607	1	"	"	"	"	X
7440-47-3	Chromium	9.83		mg/kg dry	1.21	1	"	"	"	"	X
7439-97-6	Mercury	0.870		mg/kg dry	0.0386	1	SW846 7471A	"	06-Jan-09	9010041	X
7439-92-1	Lead	134		mg/kg dry	1.82	1	SW846 6010B	"	08-Jan-09	9010039	X
7782-49-2	Selenium	BRL		mg/kg dry	1.82	1	"	"	"	"	X
TCLP Metals by EPA 1311 & 6000/7000 Series Methods											
	TCLP Extraction	Completed	O09	N/A		1	SW846 1311	03-Feb-09	03-Feb-09	9020220	X
7439-92-1	Lead	BRL		mg/l	0.0150	1	SW846 1311/6010B	05-Feb-09	05-Feb-09	9020245	X
SPLP Metals by EPA 1312 & 6000/7000 Series Methods											
	SPLP Extraction	Completed		N/A		1	SW846 1312	19-Jan-09	19-Jan-09	9011115	
7440-38-2	Arsenic	BRL		mg/l	0.0080	1	SW846 1312/6010B	20-Jan-09	20-Jan-09	9011167	
7440-47-3	Chromium	BRL		mg/l	0.0100	1	"	"	"	"	
7439-97-6	Mercury	BRL		mg/l	0.00020	1	SW846 1312/7470A	"	21-Jan-09	9011168	
7439-92-1	Lead	BRL		mg/l	0.0150	1	SW846 1312/6010B	"	20-Jan-09	9011167	
General Chemistry Parameters											
	% Solids	75.0		%		1	SM2540 G Mod.	02-Jan-09	02-Jan-09	9010054	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C54 SA89355-02	127-17797-08011	Soil	29-Dec-08 11:00	30-Dec-08

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	31-Dec-08	31-Dec-08	8122150	
Volatile Organic Compounds						Initial weight: 5.88 g					
Prepared by method SW846 5035A Soil (low level)											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	6.5	1	SW846 8260B	06-Jan-09	06-Jan-09	9010204	X
67-64-1	Acetone	BRL		µg/kg dry	64.7	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	6.5	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	6.5	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	6.5	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	6.5	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	12.9	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	64.7	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	32.3	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	6.5	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	12.9	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	6.5	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	12.9	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	12.9	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	6.5	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	6.5	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	6.5	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	12.9	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	6.5	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	6.5	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	6.5	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	6.5	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	6.5	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	64.7	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	6.5	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	64.7	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	64.7	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	6.5	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C54 SA89355-02	127-17797-08011	Soil	29-Dec-08 11:00	30-Dec-08

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
Volatile Organic Compounds					Initial weight: 5.88 g						
Prepared by method SW846 5035A Soil (low level)											
103-65-1	n-Propylbenzene	BRL		µg/kg dry	6.5	1	SW846 8260B	06-Jan-09	06-Jan-09	9010204	X
100-42-5	Styrene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	6.5	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	6.5	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	6.5	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	6.5	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	6.5	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	6.5	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	6.5	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	6.5	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	6.5	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	12.9	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	64.7	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	6.5	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	6.5	1	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	6.5	1	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	6.5	1	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	64.7	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	129	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	32.3	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	2590	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*89*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*91*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*112*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*97*		*70-130 %*			"	"	"	"	
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
83-32-9	Acenaphthene	BRL		µg/kg dry	400	1	SW846 8270C	06-Jan-09	12-Jan-09	9010185	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	400	1	"	"	"	"	X
62-53-3	Aniline	BRL		µg/kg dry	400	1	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	400	1	"	"	"	"	X
1912-24-9	Atrazine	BRL		µg/kg dry	400	1	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/kg dry	400	1	"	"	"	"	
92-87-5	Benzidine	BRL		µg/kg dry	400	1	"	"	"	"	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	400	1	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	400	1	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	400	1	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	400	1	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	400	1	"	"	"	"	X
65-85-0	Benzoic acid	BRL		µg/kg dry	400	1	"	"	"	"	X
100-51-6	Benzyl alcohol	BRL		µg/kg dry	400	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C54	127-17797-08011	Soil	29-Dec-08 11:00	30-Dec-08
SA89355-02				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
111-91-1	Bis(2-chloroethoxy)methane	BRL		µg/kg dry	400	1	SW846 8270C	06-Jan-09	12-Jan-09	9010185	X
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/kg dry	400	1	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	400	1	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	400	1	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/kg dry	400	1	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	BRL		µg/kg dry	400	1	"	"	"	"	X
86-74-8	Carbazole	BRL		µg/kg dry	400	1	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	BRL		µg/kg dry	400	1	"	"	"	"	X
106-47-8	4-Chloroaniline	BRL		µg/kg dry	400	1	"	"	"	"	X
91-58-7	2-Chloronaphthalene	BRL		µg/kg dry	400	1	"	"	"	"	X
95-57-8	2-Chlorophenol	BRL		µg/kg dry	400	1	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/kg dry	400	1	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	400	1	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	400	1	"	"	"	"	X
132-64-9	Dibenzofuran	BRL		µg/kg dry	400	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	400	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	400	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	400	1	"	"	"	"	X
91-94-1	3,3'-Dichlorobenzidine	BRL		µg/kg dry	400	1	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	BRL		µg/kg dry	400	1	"	"	"	"	X
84-66-2	Diethyl phthalate	BRL		µg/kg dry	400	1	"	"	"	"	X
131-11-3	Dimethyl phthalate	BRL		µg/kg dry	400	1	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	BRL		µg/kg dry	400	1	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	BRL		µg/kg dry	400	1	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	400	1	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	BRL		µg/kg dry	400	1	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	BRL		µg/kg dry	400	1	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	BRL		µg/kg dry	400	1	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	BRL		µg/kg dry	400	1	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	400	1	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	400	1	"	"	"	"	X
118-74-1	Hexachlorobenzene	BRL		µg/kg dry	400	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	400	1	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	BRL		µg/kg dry	400	1	"	"	"	"	X
67-72-1	Hexachloroethane	BRL		µg/kg dry	400	1	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	400	1	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	400	1	"	"	"	"	
78-59-1	Isophorone	BRL		µg/kg dry	400	1	"	"	"	"	X
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	400	1	"	"	"	"	X
95-48-7	2-Methylphenol	BRL		µg/kg dry	400	1	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	BRL		µg/kg dry	400	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	400	1	"	"	"	"	X
88-74-4	2-Nitroaniline	BRL		µg/kg dry	400	1	"	"	"	"	X
99-09-2	3-Nitroaniline	BRL		µg/kg dry	400	1	"	"	"	"	X
100-01-6	4-Nitroaniline	BRL		µg/kg dry	1600	1	"	"	"	"	X
98-95-3	Nitrobenzene	BRL		µg/kg dry	400	1	"	"	"	"	X
88-75-5	2-Nitrophenol	BRL		µg/kg dry	400	1	"	"	"	"	X
100-02-7	4-Nitrophenol	BRL		µg/kg dry	1600	1	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	BRL		µg/kg dry	400	1	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/kg dry	400	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C54 SA89355-02	127-17797-08011	Soil	29-Dec-08 11:00	30-Dec-08

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
86-30-6	N-Nitrosodiphenylamine	BRL		µg/kg dry	400	1	SW846 8270C	06-Jan-09	12-Jan-09	9010185	X
87-86-5	Pentachlorophenol	BRL		µg/kg dry	400	1	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	400	1	"	"	"	"	X
108-95-2	Phenol	BRL		µg/kg dry	400	1	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	400	1	"	"	"	"	X
110-86-1	Pyridine	BRL		µg/kg dry	400	1	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	400	1	"	"	"	"	X
95-95-4	2,4,5-Trichlorophenol	BRL		µg/kg dry	400	1	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	BRL		µg/kg dry	400	1	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	BRL		µg/kg dry	400	1	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	400	1	"	"	"	"	X
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*71*		*30-130 %*			"	"	"	"	
367-12-4	*2-Fluorophenol*	*81*		*15-110 %*			"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*73*		*30-130 %*			"	"	"	"	
4165-62-2	*Phenol-d5*	*71*		*15-110 %*			"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*96*		*30-130 %*			"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*73*		*15-110 %*			"	"	"	"	
Semivolatile Organic Compounds by GC											
Polychlorinated Biphenyls by SW846 8082											
Prepared by method SW846 3550B											
12674-11-2	PCB 1016	BRL		µg/kg dry	23.1	1	SW846 8082	02-Jan-09	03-Jan-09	9010001	X
11104-28-2	PCB 1221	BRL		µg/kg dry	23.1	1	"	"	"	"	X
11141-16-5	PCB 1232	BRL		µg/kg dry	23.1	1	"	"	"	"	X
53469-21-9	PCB 1242	BRL		µg/kg dry	23.1	1	"	"	"	"	X
12672-29-6	PCB 1248	BRL		µg/kg dry	23.1	1	"	"	"	"	X
11097-69-1	PCB 1254	BRL		µg/kg dry	23.1	1	"	"	"	"	X
11096-82-5	PCB 1260	BRL		µg/kg dry	23.1	1	"	"	"	"	X
37324-23-5	PCB 1262	BRL		µg/kg dry	23.1	1	"	"	"	"	X
11100-14-4	PCB 1268	BRL		µg/kg dry	23.1	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*76*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*71*		*30-150 %*			"	"	"	"	
Chlorinated Herbicides by SW846 8151A											
Prepared by method SW846 3550B											
93-76-5	2,4,5-T	BRL		µg/kg dry	6.70	1	SW846 8151A	05-Jan-09	08-Jan-09	9010153	X
93-72-1	2,4,5-TP (Silvex)	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-75-7	2,4-D	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-82-6	2,4-DB	BRL		µg/kg dry	6.70	1	"	"	"	"	X
75-99-0	Dalapon	BRL		µg/kg dry	6.70	1	"	"	"	"	X
1918-00-9	Dicamba	BRL		µg/kg dry	6.70	1	"	"	"	"	X
120-36-5	Dichlorprop	BRL		µg/kg dry	6.70	1	"	"	"	"	X
88-85-7	Dinoseb	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-74-6	MCPA	BRL		µg/kg dry	670	1	"	"	"	"	X
94-81-5	MCPB	BRL		µg/kg dry	670	1	"	"	"	"	
93-65-2	MCPP	BRL		µg/kg dry	670	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*91*		*30-150 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											

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

* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C54 SA89355-02	127-17797-08011	Soil	29-Dec-08 11:00	30-Dec-08

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3550B											
8006-61-9	Gasoline	BRL		mg/kg dry	16.1	1	+CT ETPH	06-Jan-09	07-Jan-09	9010184	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	16.1	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	16.1	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	16.1	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	16.1	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	16.1	1	"	"	"	"	
	Unidentified	BRL		mg/kg dry	16.1	1	"	"	"	"	
	Other Oil	BRL		mg/kg dry	16.1	1	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL		mg/kg dry	16.1	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	16.1	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*90*		*50-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	BRL		mg/kg dry	1.66	1	SW846 6010B	02-Jan-09	08-Jan-09	9010039	X
7440-38-2	Arsenic	BRL		mg/kg dry	1.66	1	"	"	"	"	X
7440-39-3	Barium	22.7		mg/kg dry	1.10	1	"	"	"	"	X
7440-43-9	Cadmium	BRL		mg/kg dry	0.552	1	"	"	"	"	X
7440-47-3	Chromium	4.42		mg/kg dry	1.10	1	"	"	"	"	X
7439-97-6	Mercury	BRL		mg/kg dry	0.0336	1	SW846 7471A	"	06-Jan-09	9010041	X
7439-92-1	Lead	3.02		mg/kg dry	1.66	1	SW846 6010B	"	08-Jan-09	9010039	X
7782-49-2	Selenium	BRL		mg/kg dry	1.66	1	"	"	"	"	X
General Chemistry Parameters											
	% Solids	80.7		%		1	SM2540 G Mod.	02-Jan-09	02-Jan-09	9010054	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C54(GW) SA89355-03	127-17797-08011	Ground Water	29-Dec-08 12:00	30-Dec-08

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
Volatile Organic Compounds											
Prepared by method SW846 5030 Water MS											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/l	1.0	1	SW846 8260B	06-Jan-09	06-Jan-09	9010206	X
67-64-1	Acetone	BRL		µg/l	10.0	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/l	0.5	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/l	1.0	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/l	1.0	1	"	"	"	"	
74-97-5	Bromochloromethane	BRL		µg/l	1.0	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/l	0.5	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/l	1.0	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/l	2.0	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/l	10.0	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/l	1.0	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/l	1.0	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/l	1.0	1	"	"	"	"	
75-15-0	Carbon disulfide	BRL		µg/l	5.0	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/l	1.0	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/l	2.0	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/l	1.0	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/l	2.0	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/l	1.0	1	"	"	"	"	
106-43-4	4-Chlorotoluene	BRL		µg/l	1.0	1	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/l	2.0	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/l	0.5	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/l	0.5	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/l	1.0	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/l	2.0	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/l	1.0	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/l	1.0	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/l	1.0	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/l	1.0	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/l	1.0	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/l	1.0	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/l	1.0	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/l	1.0	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/l	1.0	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/l	0.5	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/l	0.5	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/l	1.0	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/l	0.5	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/l	10.0	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/l	1.0	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/l	1.0	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/l	1.0	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/l	10.0	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/l	5.0	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/l	1.0	1	"	"	"	"	X
103-65-1	n-Propylbenzene	BRL		µg/l	1.0	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C54(GW)	127-17797-08011	Ground Water	29-Dec-08 12:00	30-Dec-08
SA89355-03				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
Volatile Organic Compounds											
Prepared by method SW846 5030 Water MS											
100-42-5	Styrene	BRL		µg/l	1.0	1	SW846 8260B	06-Jan-09	06-Jan-09	9010206	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/l	1.0	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/l	0.5	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/l	1.0	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/l	1.0	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/l	1.0	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/l	1.0	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/l	1.0	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/l	1.0	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/l	1.0	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/l	1.0	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/l	1.0	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/l	1.0	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/l	2.0	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/l	1.0	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/l	10.0	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/l	1.0	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/l	1.0	1	"	"	"	"	X
637-92-3	Ethyl tert-butyl ether	BRL		µg/l	1.0	1	"	"	"	"	X
108-20-3	Di-isopropyl ether	BRL		µg/l	1.0	1	"	"	"	"	X
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/l	10.0	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/l	20.0	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/l	5.0	1	"	"	"	"	X
64-17-5	Ethanol	BRL		µg/l	400	1	"	"	"	"	X
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*98*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*103*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*102*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*104*		*70-130 %*			"	"	"	"	
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3510C											
83-32-9	Acenaphthene	BRL		µg/l	5.00	1	SW846 8270C	05-Jan-09	06-Jan-09	9010117	X
208-96-8	Acenaphthylene	BRL		µg/l	5.00	1	"	"	"	"	X
62-53-3	Aniline	BRL		µg/l	5.00	1	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/l	5.00	1	"	"	"	"	X
1912-24-9	Atrazine	BRL		µg/l	5.00	1	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/l	5.00	1	"	"	"	"	
92-87-5	Benzidine	BRL		µg/l	5.00	1	"	"	"	"	X
56-55-3	Benzo (a) anthracene	BRL		µg/l	5.00	1	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/l	5.00	1	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/l	5.00	1	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/l	5.00	1	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/l	5.00	1	"	"	"	"	X
65-85-0	Benzoic acid	BRL		µg/l	5.00	1	"	"	"	"	X
100-51-6	Benzyl alcohol	BRL		µg/l	5.00	1	"	"	"	"	X
111-91-1	Bis(2-chloroethoxy)methane	BRL		µg/l	5.00	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C54(GW) SA89355-03	127-17797-08011	Ground Water	29-Dec-08 12:00	30-Dec-08

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3510C											
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/l	5.00	1	SW846 8270C	05-Jan-09	06-Jan-09	9010117	X
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/l	5.00	1	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/l	5.00	1	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/l	5.00	1	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	BRL		µg/l	5.00	1	"	"	"	"	X
86-74-8	Carbazole	BRL		µg/l	5.00	1	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	BRL		µg/l	5.00	1	"	"	"	"	X
106-47-8	4-Chloroaniline	BRL		µg/l	5.00	1	"	"	"	"	X
91-58-7	2-Chloronaphthalene	BRL		µg/l	5.00	1	"	"	"	"	X
95-57-8	2-Chlorophenol	BRL		µg/l	5.00	1	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/l	5.00	1	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/l	5.00	1	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/l	5.00	1	"	"	"	"	X
132-64-9	Dibenzofuran	BRL		µg/l	5.00	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/l	5.00	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/l	5.00	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/l	5.00	1	"	"	"	"	X
91-94-1	3,3'-Dichlorobenzidine	BRL		µg/l	5.00	1	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	BRL		µg/l	5.00	1	"	"	"	"	X
84-66-2	Diethyl phthalate	BRL		µg/l	5.00	1	"	"	"	"	X
131-11-3	Dimethyl phthalate	BRL		µg/l	5.00	1	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	BRL		µg/l	5.00	1	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	BRL		µg/l	5.00	1	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/l	5.00	1	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	BRL		µg/l	5.00	1	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	BRL		µg/l	5.00	1	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	BRL		µg/l	5.00	1	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	BRL		µg/l	5.00	1	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/l	5.00	1	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/l	5.00	1	"	"	"	"	X
118-74-1	Hexachlorobenzene	BRL		µg/l	5.00	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/l	5.00	1	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	BRL		µg/l	5.00	1	"	"	"	"	X
67-72-1	Hexachloroethane	BRL		µg/l	5.00	1	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/l	5.00	1	"	"	"	"	X
78-59-1	Isophorone	BRL		µg/l	5.00	1	"	"	"	"	X
91-57-6	2-Methylnaphthalene	BRL		µg/l	5.00	1	"	"	"	"	X
95-48-7	2-Methylphenol	BRL		µg/l	5.00	1	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	BRL		µg/l	10.0	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/l	5.00	1	"	"	"	"	X
88-74-4	2-Nitroaniline	BRL		µg/l	5.00	1	"	"	"	"	X
99-09-2	3-Nitroaniline	BRL		µg/l	5.00	1	"	"	"	"	X
100-01-6	4-Nitroaniline	BRL		µg/l	20.0	1	"	"	"	"	X
98-95-3	Nitrobenzene	BRL		µg/l	5.00	1	"	"	"	"	X
88-75-5	2-Nitrophenol	BRL		µg/l	5.00	1	"	"	"	"	X
100-02-7	4-Nitrophenol	BRL		µg/l	20.0	1	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	BRL		µg/l	5.00	1	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/l	5.00	1	"	"	"	"	X
86-30-6	N-Nitrosodiphenylamine	BRL		µg/l	5.00	1	"	"	"	"	X
87-86-5	Pentachlorophenol	BRL		µg/l	20.0	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C54(GW)	127-17797-08011	Ground Water	29-Dec-08 12:00	30-Dec-08
SA89355-03				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3510C											
85-01-8	Phenanthrene	BRL		µg/l	5.00	1	SW846 8270C	05-Jan-09	06-Jan-09	9010117	X
108-95-2	Phenol	BRL		µg/l	5.00	1	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/l	5.00	1	"	"	"	"	X
110-86-1	Pyridine	BRL		µg/l	5.00	1	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/l	5.00	1	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/l	5.00	1	"	"	"	"	
95-95-4	2,4,5-Trichlorophenol	BRL		µg/l	5.00	1	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	BRL		µg/l	5.00	1	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	BRL		µg/l	5.00	1	"	"	"	"	
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/l	5.00	1	"	"	"	"	X
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*34*		*30-130 %*			"	"	"	"	
367-12-4	*2-Fluorophenol*	*32*		*15-110 %*			"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*34*		*30-130 %*			"	"	"	"	
4165-62-2	*Phenol-d5*	*22*		*15-110 %*			"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*41*		*30-130 %*			"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*37*		*15-110 %*			"	"	"	"	
SVOCs by SW846 8270C SIM											
Prepared by method SW846 3510C											
83-32-9	Acenaphthene	BRL		µg/l	0.050	1	SW846 8270C/EPA 625 SIM	"	06-Jan-09	"	X
208-96-8	Acenaphthylene	BRL		µg/l	0.050	1	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/l	0.050	1	"	"	"	"	
120-12-7	Anthracene	BRL		µg/l	0.050	1	"	"	"	"	X
56-55-3	Benzo (a) anthracene	BRL		µg/l	0.050	1	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/l	0.050	1	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/l	0.050	1	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/l	0.050	1	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/l	0.050	1	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/l	0.050	1	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/l	0.050	1	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/l	0.050	1	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/l	0.050	1	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/l	0.050	1	"	"	"	"	X
91-57-6	2-Methylnaphthalene	BRL		µg/l	0.050	1	"	"	"	"	
91-20-3	Naphthalene	0.110		µg/l	0.050	1	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/l	0.050	1	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/l	0.050	1	"	"	"	"	X
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*37*		*30-130 %*			"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*45*		*30-130 %*			"	"	"	"	
Semivolatile Organic Compounds by GC											
Polychlorinated Biphenyls by SW846 8082											
Prepared by method SW846 3510C											
12674-11-2	PCB 1016	BRL		µg/l	0.213	1	SW846 8082	02-Jan-09	03-Jan-09	9010007	X
11104-28-2	PCB 1221	BRL		µg/l	0.213	1	"	"	"	"	X
11141-16-5	PCB 1232	BRL		µg/l	0.213	1	"	"	"	"	X
53469-21-9	PCB 1242	BRL		µg/l	0.213	1	"	"	"	"	X
12672-29-6	PCB 1248	BRL		µg/l	0.213	1	"	"	"	"	X
11097-69-1	PCB 1254	BRL		µg/l	0.213	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C54(GW) SA89355-03	127-17797-08011	Ground Water	29-Dec-08 12:00	30-Dec-08

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GC											
Polychlorinated Biphenyls by SW846 8082											
Prepared by method SW846 3510C											
11096-82-5	PCB 1260	BRL		µg/l	0.213	1	SW846 8082	02-Jan-09	03-Jan-09	9010007	X
37324-23-5	PCB 1262	BRL		µg/l	0.213	1	"	"	"	"	X
11100-14-4	PCB 1268	BRL		µg/l	0.213	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*63*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*52*		*30-150 %*			"	"	"	"	
Chlorinated Herbicides by SW846 8151A			R02								
Prepared by method SW846 3510C											
93-76-5	2,4,5-T	BRL		µg/l	0.400	1	SW846 8151A	05-Jan-09	08-Jan-09	9010122	X
93-72-1	2,4,5-TP (Silvex)	BRL		µg/l	0.400	1	"	"	"	"	X
94-75-7	2,4-D	BRL		µg/l	0.400	1	"	"	"	"	X
94-82-6	2,4-DB	BRL		µg/l	0.400	1	"	"	"	"	X
75-99-0	Dalapon	BRL		µg/l	0.400	1	"	"	"	"	X
1918-00-9	Dicamba	BRL		µg/l	0.400	1	"	"	"	"	X
120-36-5	Dichlorprop	BRL		µg/l	0.400	1	"	"	"	"	X
88-85-7	Dinoseb	BRL		µg/l	0.400	1	"	"	"	"	X
94-74-6	MCPA	BRL		µg/l	6.00	1	"	"	"	"	
94-81-5	MCPB	BRL		µg/l	6.00	1	"	"	"	"	
93-65-2	MCPP	BRL		µg/l	6.00	1	"	"	"	"	
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*68*		*30-150 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons			R02								
Prepared by method SW846 3510C											
8006-61-9	Gasoline	BRL		mg/l	0.2	1	+CT ETPH	05-Jan-09	07-Jan-09	9010119	
68476-30-2	Fuel Oil #2	BRL		mg/l	0.2	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/l	0.2	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/l	0.2	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/l	0.2	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/l	0.2	1	"	"	"	"	
	Unidentified	BRL		mg/l	0.2	1	"	"	"	"	
	Other Oil	BRL		mg/l	0.2	1	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL		mg/l	0.2	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	BRL		mg/l	0.2	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*86*		*50-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	BRL		mg/l	0.0050	1	SW846 6010B	05-Jan-09	06-Jan-09	9010121	X
7440-38-2	Arsenic	0.0462		mg/l	0.0040	1	"	"	"	"	X
7440-39-3	Barium	0.950		mg/l	0.0050	1	"	"	"	"	X
7440-43-9	Cadmium	0.0076		mg/l	0.0025	1	"	"	"	"	X
7440-47-3	Chromium	0.430		mg/l	0.0050	1	"	"	"	"	X
7439-92-1	Lead	0.188		mg/l	0.0075	1	"	"	"	"	X
7782-49-2	Selenium	0.0939		mg/l	0.0150	1	"	"	"	"	X
Total Metals by EPA 200 Series Methods											
7439-97-6	Mercury	0.00122		mg/l	0.00020	1	EPA 245.1/7470A	05-Jan-09	06-Jan-09	9010123	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C55	127-17797-08011	Soil	29-Dec-08 13:30	30-Dec-08
SA89355-04				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	31-Dec-08	31-Dec-08	8122150	
Volatile Organic Compounds						Initial weight: 4.77 g					
Prepared by method SW846 5035A Soil (low level)											
Re-analysis of Volatile Organic Compounds											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	8.4	1	SW846 8260B	08-Jan-09	08-Jan-09	9010382	X
67-64-1	Acetone	BRL		µg/kg dry	84.1	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	8.4	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	8.4	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	8.4	1	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	8.4	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	8.4	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	8.4	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	16.8	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	84.1	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	8.4	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	8.4	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	8.4	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	42.1	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	8.4	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	8.4	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	16.8	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	8.4	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	16.8	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	8.4	1	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	8.4	1	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	16.8	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	8.4	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	8.4	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	8.4	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	8.4	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	8.4	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	8.4	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	16.8	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	8.4	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	8.4	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	8.4	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	8.4	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	8.4	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	8.4	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	8.4	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	8.4	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	8.4	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	8.4	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	8.4	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	8.4	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	8.4	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	84.1	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	8.4	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	8.4	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	8.4	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	84.1	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C55 SA89355-04	127-17797-08011	Soil	29-Dec-08 13:30	30-Dec-08

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
Volatile Organic Compounds						Initial weight: 4.77 g					
Prepared by method SW846 5035A Soil (low level)											
Re-analysis of Volatile Organic Compounds											
75-09-2	Methylene chloride	BRL		µg/kg dry	84.1	1	SW846 8260B	08-Jan-09	08-Jan-09	9010382	X
91-20-3	Naphthalene	BRL		µg/kg dry	8.4	1	"	"	"	"	X
103-65-1	n-Propylbenzene	BRL		µg/kg dry	8.4	1	"	"	"	"	X
100-42-5	Styrene	BRL		µg/kg dry	8.4	1	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	8.4	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	8.4	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	8.4	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	8.4	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	8.4	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	8.4	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	8.4	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	8.4	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	8.4	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	8.4	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	8.4	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	8.4	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	8.4	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	8.4	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	8.4	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	16.8	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	8.4	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	84.1	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	8.4	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	8.4	1	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	8.4	1	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	8.4	1	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	84.1	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	168	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	42.1	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	3370	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*85*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*90*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*116*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*103*		*70-130 %*			"	"	"	"	
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
83-32-9	Acenaphthene	BRL		µg/kg dry	431	1	SW846 8270C	06-Jan-09	12-Jan-09	9010185	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	431	1	"	"	"	"	X
62-53-3	Aniline	BRL		µg/kg dry	431	1	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	431	1	"	"	"	"	X
1912-24-9	Atrazine	BRL		µg/kg dry	431	1	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/kg dry	431	1	"	"	"	"	
92-87-5	Benzidine	BRL		µg/kg dry	431	1	"	"	"	"	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	431	1	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	431	1	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	431	1	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	431	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C55	127-17797-08011	Soil	29-Dec-08 13:30	30-Dec-08
SA89355-04				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	431	1	SW846 8270C	06-Jan-09	12-Jan-09	9010185	X
65-85-0	Benzoic acid	BRL		µg/kg dry	431	1	"	"	"	"	X
100-51-6	Benzyl alcohol	BRL		µg/kg dry	431	1	"	"	"	"	X
111-91-1	Bis(2-chloroethoxy)methane	BRL		µg/kg dry	431	1	"	"	"	"	X
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/kg dry	431	1	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	431	1	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	431	1	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/kg dry	431	1	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	BRL		µg/kg dry	431	1	"	"	"	"	X
86-74-8	Carbazole	BRL		µg/kg dry	431	1	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	BRL		µg/kg dry	431	1	"	"	"	"	X
106-47-8	4-Chloroaniline	BRL		µg/kg dry	431	1	"	"	"	"	X
91-58-7	2-Chloronaphthalene	BRL		µg/kg dry	431	1	"	"	"	"	X
95-57-8	2-Chlorophenol	BRL		µg/kg dry	431	1	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/kg dry	431	1	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	431	1	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	431	1	"	"	"	"	X
132-64-9	Dibenzofuran	BRL		µg/kg dry	431	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	431	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	431	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	431	1	"	"	"	"	X
91-94-1	3,3'-Dichlorobenzidine	BRL		µg/kg dry	431	1	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	BRL		µg/kg dry	431	1	"	"	"	"	X
84-66-2	Diethyl phthalate	BRL		µg/kg dry	431	1	"	"	"	"	X
131-11-3	Dimethyl phthalate	BRL		µg/kg dry	431	1	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	BRL		µg/kg dry	431	1	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	BRL		µg/kg dry	431	1	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	431	1	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	BRL		µg/kg dry	431	1	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	BRL		µg/kg dry	431	1	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	BRL		µg/kg dry	431	1	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	BRL		µg/kg dry	431	1	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	431	1	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	431	1	"	"	"	"	X
118-74-1	Hexachlorobenzene	BRL		µg/kg dry	431	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	431	1	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	BRL		µg/kg dry	431	1	"	"	"	"	X
67-72-1	Hexachloroethane	BRL		µg/kg dry	431	1	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	431	1	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	431	1	"	"	"	"	
78-59-1	Isophorone	BRL		µg/kg dry	431	1	"	"	"	"	X
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	431	1	"	"	"	"	X
95-48-7	2-Methylphenol	BRL		µg/kg dry	431	1	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	BRL		µg/kg dry	431	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	431	1	"	"	"	"	X
88-74-4	2-Nitroaniline	BRL		µg/kg dry	431	1	"	"	"	"	X
99-09-2	3-Nitroaniline	BRL		µg/kg dry	431	1	"	"	"	"	X
100-01-6	4-Nitroaniline	BRL		µg/kg dry	1720	1	"	"	"	"	X
98-95-3	Nitrobenzene	BRL		µg/kg dry	431	1	"	"	"	"	X
88-75-5	2-Nitrophenol	BRL		µg/kg dry	431	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C55 SA89355-04	127-17797-08011	Soil	29-Dec-08 13:30	30-Dec-08

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
100-02-7	4-Nitrophenol	BRL		µg/kg dry	1720	1	SW846 8270C	06-Jan-09	12-Jan-09	9010185	X
62-75-9	N-Nitrosodimethylamine	BRL		µg/kg dry	431	1	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/kg dry	431	1	"	"	"	"	X
86-30-6	N-Nitrosodiphenylamine	BRL		µg/kg dry	431	1	"	"	"	"	X
87-86-5	Pentachlorophenol	BRL		µg/kg dry	431	1	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	431	1	"	"	"	"	X
108-95-2	Phenol	BRL		µg/kg dry	431	1	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	431	1	"	"	"	"	X
110-86-1	Pyridine	BRL		µg/kg dry	431	1	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	431	1	"	"	"	"	X
95-95-4	2,4,5-Trichlorophenol	BRL		µg/kg dry	431	1	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	BRL		µg/kg dry	431	1	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	BRL		µg/kg dry	431	1	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	431	1	"	"	"	"	X
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*57*		*30-130 %*			"	"	"	"	
367-12-4	*2-Fluorophenol*	*62*		*15-110 %*			"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*56*		*30-130 %*			"	"	"	"	
4165-62-2	*Phenol-d5*	*54*		*15-110 %*			"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*81*		*30-130 %*			"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*59*		*15-110 %*			"	"	"	"	
Semivolatile Organic Compounds by GC											
Polychlorinated Biphenyls by SW846 8082											
Prepared by method SW846 3550B											
12674-11-2	PCB 1016	BRL		µg/kg dry	24.4	1	SW846 8082	02-Jan-09	03-Jan-09	9010001	X
11104-28-2	PCB 1221	BRL		µg/kg dry	24.4	1	"	"	"	"	X
11141-16-5	PCB 1232	BRL		µg/kg dry	24.4	1	"	"	"	"	X
53469-21-9	PCB 1242	BRL		µg/kg dry	24.4	1	"	"	"	"	X
12672-29-6	PCB 1248	BRL		µg/kg dry	24.4	1	"	"	"	"	X
11097-69-1	PCB 1254	BRL		µg/kg dry	24.4	1	"	"	"	"	X
11096-82-5	PCB 1260	BRL		µg/kg dry	24.4	1	"	"	"	"	X
37324-23-5	PCB 1262	BRL		µg/kg dry	24.4	1	"	"	"	"	X
11100-14-4	PCB 1268	BRL		µg/kg dry	24.4	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*77*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*70*		*30-150 %*			"	"	"	"	
Chlorinated Herbicides by SW846 8151A											
Prepared by method SW846 3550B											
93-76-5	2,4,5-T	BRL		µg/kg dry	6.70	1	SW846 8151A	05-Jan-09	08-Jan-09	9010153	X
93-72-1	2,4,5-TP (Silvex)	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-75-7	2,4-D	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-82-6	2,4-DB	BRL		µg/kg dry	6.70	1	"	"	"	"	X
75-99-0	Dalapon	BRL		µg/kg dry	6.70	1	"	"	"	"	X
1918-00-9	Dicamba	BRL		µg/kg dry	6.70	1	"	"	"	"	X
120-36-5	Dichlorprop	BRL		µg/kg dry	6.70	1	"	"	"	"	X
88-85-7	Dinoseb	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-74-6	MCPA	BRL		µg/kg dry	670	1	"	"	"	"	X
94-81-5	MCPB	BRL		µg/kg dry	670	1	"	"	"	"	
93-65-2	MCPP	BRL		µg/kg dry	670	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C55 SA89355-04	127-17797-08011	Soil	29-Dec-08 13:30	30-Dec-08

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GC											
Chlorinated Herbicides by SW846 8151A											
Prepared by method SW846 3550B											
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*108*		*30-150 %*			SW846 8151A	05-Jan-09	08-Jan-09	9010153	
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3550B											
8006-61-9	Gasoline	BRL		mg/kg dry	17.4	1	+CT ETPH	06-Jan-09	07-Jan-09	9010184	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	17.4	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	17.4	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	17.4	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	17.4	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	17.4	1	"	"	"	"	
	Unidentified	22.0		mg/kg dry	17.4	1	"	"	"	"	
	Other Oil	Calculated as		mg/kg dry	17.4	1	"	"	"	"	
	Total Petroleum Hydrocarbons	22.0		mg/kg dry	17.4	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	22.0		mg/kg dry	17.4	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*99*		*50-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	BRL		mg/kg dry	1.66	1	SW846 6010B	02-Jan-09	08-Jan-09	9010039	X
7440-38-2	Arsenic	4.43		mg/kg dry	1.66	1	"	"	"	"	X
7440-39-3	Barium	68.0		mg/kg dry	1.11	1	"	"	"	"	X
7440-43-9	Cadmium	BRL		mg/kg dry	0.555	1	"	"	"	"	X
7440-47-3	Chromium	10.9		mg/kg dry	1.11	1	"	"	"	"	X
7439-97-6	Mercury	0.129		mg/kg dry	0.0362	1	SW846 7471A	"	06-Jan-09	9010041	X
7439-92-1	Lead	62.0		mg/kg dry	1.66	1	SW846 6010B	"	08-Jan-09	9010039	X
7782-49-2	Selenium	BRL		mg/kg dry	1.66	1	"	"	"	"	X
General Chemistry Parameters											
	% Solids	76.3		%		1	SM2540 G Mod.	02-Jan-09	02-Jan-09	9010054	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C56 SA89355-05	127-17797-08011	Soil	29-Dec-08 14:00	30-Dec-08

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	31-Dec-08	31-Dec-08	8122150	
Volatile Organic Compounds						Initial weight: 5.09 g					
Prepared by method SW846 5035A Soil (low level)											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	7.9	1	SW846 8260B	06-Jan-09	06-Jan-09	9010204	X
67-64-1	Acetone	BRL		µg/kg dry	79.2	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	7.9	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	7.9	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	7.9	1	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	7.9	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	7.9	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	7.9	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	15.8	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	79.2	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	7.9	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	7.9	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	7.9	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	39.6	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	7.9	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	7.9	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	15.8	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	7.9	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	15.8	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	7.9	1	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	7.9	1	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	15.8	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	7.9	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	7.9	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	7.9	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	7.9	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	7.9	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	7.9	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	15.8	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	7.9	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	7.9	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	7.9	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	7.9	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	7.9	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	7.9	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	7.9	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	7.9	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	7.9	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	7.9	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	7.9	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	7.9	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	7.9	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	79.2	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	7.9	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	7.9	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	7.9	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	79.2	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	79.2	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	7.9	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C56	127-17797-08011	Soil	29-Dec-08 14:00	30-Dec-08
SA89355-05				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
Volatile Organic Compounds											
Prepared by method SW846 5035A Soil (low level)						Initial weight: 5.09 g					
103-65-1	n-Propylbenzene	BRL		µg/kg dry	7.9	1	SW846 8260B	06-Jan-09	06-Jan-09	9010204	X
100-42-5	Styrene	BRL		µg/kg dry	7.9	1	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	7.9	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	7.9	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	7.9	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	7.9	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	7.9	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	7.9	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	7.9	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	7.9	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	7.9	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	7.9	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	7.9	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	7.9	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	7.9	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	7.9	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	7.9	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	15.8	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	7.9	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	79.2	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	7.9	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	7.9	1	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	7.9	1	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	7.9	1	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	79.2	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	158	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	39.6	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	3170	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*93*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*92*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*113*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*98*		*70-130 %*			"	"	"	"	
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
83-32-9	Acenaphthene	BRL		µg/kg dry	423	1	SW846 8270C	06-Jan-09	10-Jan-09	9010185	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	423	1	"	"	"	"	X
62-53-3	Aniline	BRL		µg/kg dry	423	1	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	423	1	"	"	"	"	X
1912-24-9	Atrazine	BRL		µg/kg dry	423	1	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/kg dry	423	1	"	"	"	"	
92-87-5	Benzidine	BRL		µg/kg dry	423	1	"	"	"	"	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	423	1	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	423	1	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	423	1	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	423	1	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	423	1	"	"	"	"	X
65-85-0	Benzoic acid	BRL		µg/kg dry	423	1	"	"	"	"	X
100-51-6	Benzyl alcohol	BRL		µg/kg dry	423	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C56 SA89355-05	127-17797-08011	Soil	29-Dec-08 14:00	30-Dec-08

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
111-91-1	Bis(2-chloroethoxy)methane	BRL		µg/kg dry	423	1	SW846 8270C	06-Jan-09	10-Jan-09	9010185	X
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/kg dry	423	1	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	423	1	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	423	1	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/kg dry	423	1	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	BRL		µg/kg dry	423	1	"	"	"	"	X
86-74-8	Carbazole	BRL		µg/kg dry	423	1	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	BRL		µg/kg dry	423	1	"	"	"	"	X
106-47-8	4-Chloroaniline	BRL		µg/kg dry	423	1	"	"	"	"	X
91-58-7	2-Chloronaphthalene	BRL		µg/kg dry	423	1	"	"	"	"	X
95-57-8	2-Chlorophenol	BRL		µg/kg dry	423	1	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/kg dry	423	1	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	423	1	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	423	1	"	"	"	"	X
132-64-9	Dibenzofuran	BRL		µg/kg dry	423	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	423	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	423	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	423	1	"	"	"	"	X
91-94-1	3,3'-Dichlorobenzidine	BRL		µg/kg dry	423	1	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	BRL		µg/kg dry	423	1	"	"	"	"	X
84-66-2	Diethyl phthalate	BRL		µg/kg dry	423	1	"	"	"	"	X
131-11-3	Dimethyl phthalate	BRL		µg/kg dry	423	1	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	BRL		µg/kg dry	423	1	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	BRL		µg/kg dry	423	1	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	423	1	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	BRL		µg/kg dry	423	1	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	BRL		µg/kg dry	423	1	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	BRL		µg/kg dry	423	1	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	BRL		µg/kg dry	423	1	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	423	1	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	423	1	"	"	"	"	X
118-74-1	Hexachlorobenzene	BRL		µg/kg dry	423	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	423	1	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	BRL		µg/kg dry	423	1	"	"	"	"	X
67-72-1	Hexachloroethane	BRL		µg/kg dry	423	1	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	423	1	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	423	1	"	"	"	"	
78-59-1	Isophorone	BRL		µg/kg dry	423	1	"	"	"	"	X
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	423	1	"	"	"	"	X
95-48-7	2-Methylphenol	BRL		µg/kg dry	423	1	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	BRL		µg/kg dry	423	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	423	1	"	"	"	"	X
88-74-4	2-Nitroaniline	BRL		µg/kg dry	423	1	"	"	"	"	X
99-09-2	3-Nitroaniline	BRL		µg/kg dry	423	1	"	"	"	"	X
100-01-6	4-Nitroaniline	BRL		µg/kg dry	1690	1	"	"	"	"	X
98-95-3	Nitrobenzene	BRL		µg/kg dry	423	1	"	"	"	"	X
88-75-5	2-Nitrophenol	BRL		µg/kg dry	423	1	"	"	"	"	X
100-02-7	4-Nitrophenol	BRL		µg/kg dry	1690	1	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	BRL		µg/kg dry	423	1	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/kg dry	423	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C56	127-17797-08011	Soil	29-Dec-08 14:00	30-Dec-08
SA89355-05				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
86-30-6	N-Nitrosodiphenylamine	BRL		µg/kg dry	423	1	SW846 8270C	06-Jan-09	10-Jan-09	9010185	X
87-86-5	Pentachlorophenol	BRL		µg/kg dry	423	1	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	423	1	"	"	"	"	X
108-95-2	Phenol	BRL		µg/kg dry	423	1	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	423	1	"	"	"	"	X
110-86-1	Pyridine	BRL		µg/kg dry	423	1	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	423	1	"	"	"	"	X
95-95-4	2,4,5-Trichlorophenol	BRL		µg/kg dry	423	1	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	BRL		µg/kg dry	423	1	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	BRL		µg/kg dry	423	1	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	423	1	"	"	"	"	X
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*78*		*30-130 %*			"	"	"	"	
367-12-4	*2-Fluorophenol*	*86*		*15-110 %*			"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*77*		*30-130 %*			"	"	"	"	
4165-62-2	*Phenol-d5*	*75*		*15-110 %*			"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*91*		*30-130 %*			"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*78*		*15-110 %*			"	"	"	"	
Semivolatile Organic Compounds by GC											
Polychlorinated Biphenyls by SW846 8082											
Prepared by method SW846 3550B											
12674-11-2	PCB 1016	BRL		µg/kg dry	25.4	1	SW846 8082	02-Jan-09	03-Jan-09	9010001	X
11104-28-2	PCB 1221	BRL		µg/kg dry	25.4	1	"	"	"	"	X
11141-16-5	PCB 1232	BRL		µg/kg dry	25.4	1	"	"	"	"	X
53469-21-9	PCB 1242	BRL		µg/kg dry	25.4	1	"	"	"	"	X
12672-29-6	PCB 1248	BRL		µg/kg dry	25.4	1	"	"	"	"	X
11097-69-1	PCB 1254	BRL		µg/kg dry	25.4	1	"	"	"	"	X
11096-82-5	PCB 1260	BRL		µg/kg dry	25.4	1	"	"	"	"	X
37324-23-5	PCB 1262	BRL		µg/kg dry	25.4	1	"	"	"	"	X
11100-14-4	PCB 1268	BRL		µg/kg dry	25.4	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*76*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*77*		*30-150 %*			"	"	"	"	
Chlorinated Herbicides by SW846 8151A											
Prepared by method SW846 3550B											
93-76-5	2,4,5-T	BRL		µg/kg dry	6.70	1	SW846 8151A	05-Jan-09	08-Jan-09	9010153	X
93-72-1	2,4,5-TP (Silvex)	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-75-7	2,4-D	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-82-6	2,4-DB	BRL		µg/kg dry	6.70	1	"	"	"	"	X
75-99-0	Dalapon	BRL		µg/kg dry	6.70	1	"	"	"	"	X
1918-00-9	Dicamba	BRL		µg/kg dry	6.70	1	"	"	"	"	X
120-36-5	Dichlorprop	BRL		µg/kg dry	6.70	1	"	"	"	"	X
88-85-7	Dinoseb	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-74-6	MCPA	BRL		µg/kg dry	670	1	"	"	"	"	X
94-81-5	MCPB	BRL		µg/kg dry	670	1	"	"	"	"	
93-65-2	MCPP	BRL		µg/kg dry	670	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*98*		*30-150 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C56 SA89355-05	127-17797-08011	Soil	29-Dec-08 14:00	30-Dec-08

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3550B											
8006-61-9	Gasoline	BRL		mg/kg dry	17.1	1	+CT ETPH	06-Jan-09	07-Jan-09	9010184	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	17.1	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	17.1	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	17.1	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	17.1	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	17.1	1	"	"	"	"	
	Unidentified	BRL		mg/kg dry	17.1	1	"	"	"	"	
	Other Oil	BRL		mg/kg dry	17.1	1	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL		mg/kg dry	17.1	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	17.1	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*95*		*50-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	2.83		mg/kg dry	1.66	1	SW846 6010B	02-Jan-09	08-Jan-09	9010039	X
7440-38-2	Arsenic	1.97		mg/kg dry	1.66	1	"	"	"	"	X
7440-39-3	Barium	95.6		mg/kg dry	1.11	1	"	"	"	"	X
7440-43-9	Cadmium	0.586		mg/kg dry	0.553	1	"	"	"	"	X
7440-47-3	Chromium	28.3		mg/kg dry	1.11	1	"	"	"	"	X
7439-97-6	Mercury	BRL		mg/kg dry	0.0367	1	SW846 7471A	"	06-Jan-09	9010041	X
7439-92-1	Lead	10.4		mg/kg dry	1.66	1	SW846 6010B	"	08-Jan-09	9010039	X
7782-49-2	Selenium	BRL		mg/kg dry	1.66	1	"	"	"	"	X
General Chemistry Parameters											
	% Solids	76.7		%		1	SM2540 G Mod.	02-Jan-09	02-Jan-09	9010054	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Trip Blank SA89355-06	127-17797-08011	Ground Water	29-Dec-08 15:30	30-Dec-08

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
Volatile Organic Compounds											
Prepared by method SW846 5030 Water MS											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/l	1.0	1	SW846 8260B	06-Jan-09	06-Jan-09	9010206	X
67-64-1	Acetone	BRL		µg/l	10.0	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/l	0.5	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/l	1.0	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/l	1.0	1	"	"	"	"	
74-97-5	Bromochloromethane	BRL		µg/l	1.0	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/l	0.5	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/l	1.0	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/l	2.0	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/l	10.0	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/l	1.0	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/l	1.0	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/l	1.0	1	"	"	"	"	
75-15-0	Carbon disulfide	BRL		µg/l	5.0	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/l	1.0	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/l	2.0	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/l	1.0	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/l	2.0	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/l	1.0	1	"	"	"	"	
106-43-4	4-Chlorotoluene	BRL		µg/l	1.0	1	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/l	2.0	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/l	0.5	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/l	0.5	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/l	1.0	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/l	2.0	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/l	1.0	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/l	1.0	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/l	1.0	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/l	1.0	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/l	1.0	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/l	1.0	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/l	1.0	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/l	1.0	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/l	1.0	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/l	0.5	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/l	0.5	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/l	1.0	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/l	0.5	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/l	10.0	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/l	1.0	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/l	1.0	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/l	1.0	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/l	10.0	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/l	5.0	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/l	1.0	1	"	"	"	"	X
103-65-1	n-Propylbenzene	BRL		µg/l	1.0	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Trip Blank SA89355-06	127-17797-08011	Ground Water	29-Dec-08 15:30	30-Dec-08

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
Volatile Organic Compounds											
Prepared by method SW846 5030 Water MS											
100-42-5	Styrene	BRL		µg/l	1.0	1	SW846 8260B	06-Jan-09	06-Jan-09	9010206	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/l	1.0	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/l	0.5	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/l	1.0	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/l	1.0	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/l	1.0	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/l	1.0	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/l	1.0	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/l	1.0	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/l	1.0	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/l	1.0	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/l	1.0	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/l	1.0	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/l	2.0	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/l	1.0	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/l	10.0	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/l	1.0	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/l	1.0	1	"	"	"	"	X
637-92-3	Ethyl tert-butyl ether	BRL		µg/l	1.0	1	"	"	"	"	X
108-20-3	Di-isopropyl ether	BRL		µg/l	1.0	1	"	"	"	"	X
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/l	10.0	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/l	20.0	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/l	5.0	1	"	"	"	"	X
64-17-5	Ethanol	BRL		µg/l	400	1	"	"	"	"	X
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*96*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*101*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*109*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*109*		*70-130 %*			"	"	"	"	

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010204 - SW846 5035A Soil (low level)										
Blank (9010204-BLK1)										
Prepared & Analyzed: 06-Jan-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg wet	5.0						
Acetone	BRL		µg/kg wet	50.0						
Acrylonitrile	BRL		µg/kg wet	5.0						
Benzene	BRL		µg/kg wet	5.0						
Bromobenzene	BRL		µg/kg wet	5.0						
Bromochloromethane	BRL		µg/kg wet	5.0						
Bromodichloromethane	BRL		µg/kg wet	5.0						
Bromoform	BRL		µg/kg wet	5.0						
Bromomethane	BRL		µg/kg wet	10.0						
2-Butanone (MEK)	BRL		µg/kg wet	50.0						
n-Butylbenzene	BRL		µg/kg wet	5.0						
sec-Butylbenzene	BRL		µg/kg wet	5.0						
tert-Butylbenzene	BRL		µg/kg wet	5.0						
Carbon disulfide	BRL		µg/kg wet	25.0						
Carbon tetrachloride	BRL		µg/kg wet	5.0						
Chlorobenzene	BRL		µg/kg wet	5.0						
Chloroethane	BRL		µg/kg wet	10.0						
Chloroform	BRL		µg/kg wet	5.0						
Chloromethane	BRL		µg/kg wet	10.0						
2-Chlorotoluene	BRL		µg/kg wet	5.0						
4-Chlorotoluene	BRL		µg/kg wet	5.0						
1,2-Dibromo-3-chloropropane	BRL		µg/kg wet	10.0						
Dibromochloromethane	BRL		µg/kg wet	5.0						
1,2-Dibromoethane (EDB)	BRL		µg/kg wet	5.0						
Dibromomethane	BRL		µg/kg wet	5.0						
1,2-Dichlorobenzene	BRL		µg/kg wet	5.0						
1,3-Dichlorobenzene	BRL		µg/kg wet	5.0						
1,4-Dichlorobenzene	BRL		µg/kg wet	5.0						
Dichlorodifluoromethane (Freon12)	BRL		µg/kg wet	10.0						
1,1-Dichloroethane	BRL		µg/kg wet	5.0						
1,2-Dichloroethane	BRL		µg/kg wet	5.0						
1,1-Dichloroethene	BRL		µg/kg wet	5.0						
cis-1,2-Dichloroethene	BRL		µg/kg wet	5.0						
trans-1,2-Dichloroethene	BRL		µg/kg wet	5.0						
1,2-Dichloropropane	BRL		µg/kg wet	5.0						
1,3-Dichloropropane	BRL		µg/kg wet	5.0						
2,2-Dichloropropane	BRL		µg/kg wet	5.0						
1,1-Dichloropropene	BRL		µg/kg wet	5.0						
cis-1,3-Dichloropropene	BRL		µg/kg wet	5.0						
trans-1,3-Dichloropropene	BRL		µg/kg wet	5.0						
Ethylbenzene	BRL		µg/kg wet	5.0						
Hexachlorobutadiene	BRL		µg/kg wet	5.0						
2-Hexanone (MBK)	BRL		µg/kg wet	50.0						
Isopropylbenzene	BRL		µg/kg wet	5.0						
4-Isopropyltoluene	BRL		µg/kg wet	5.0						
Methyl tert-butyl ether	BRL		µg/kg wet	5.0						
4-Methyl-2-pentanone (MIBK)	BRL		µg/kg wet	50.0						
Methylene chloride	BRL		µg/kg wet	50.0						
Naphthalene	BRL		µg/kg wet	5.0						

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010204 - SW846 5035A Soil (low level)										
Blank (9010204-BLK1)										
Prepared & Analyzed: 06-Jan-09										
n-Propylbenzene	BRL		µg/kg wet	5.0						
Styrene	BRL		µg/kg wet	5.0						
1,1,1,2-Tetrachloroethane	BRL		µg/kg wet	5.0						
1,1,2,2-Tetrachloroethane	BRL		µg/kg wet	5.0						
Tetrachloroethene	BRL		µg/kg wet	5.0						
Toluene	BRL		µg/kg wet	5.0						
1,2,3-Trichlorobenzene	BRL		µg/kg wet	5.0						
1,2,4-Trichlorobenzene	BRL		µg/kg wet	5.0						
1,3,5-Trichlorobenzene	BRL		µg/kg wet	5.0						
1,1,1-Trichloroethane	BRL		µg/kg wet	5.0						
1,1,2-Trichloroethane	BRL		µg/kg wet	5.0						
Trichloroethene	BRL		µg/kg wet	5.0						
Trichlorofluoromethane (Freon 11)	BRL		µg/kg wet	5.0						
1,2,3-Trichloropropane	BRL		µg/kg wet	5.0						
1,2,4-Trimethylbenzene	BRL		µg/kg wet	5.0						
1,3,5-Trimethylbenzene	BRL		µg/kg wet	5.0						
Vinyl chloride	BRL		µg/kg wet	5.0						
m,p-Xylene	BRL		µg/kg wet	10.0						
o-Xylene	BRL		µg/kg wet	5.0						
Tetrahydrofuran	BRL		µg/kg wet	50.0						
Ethyl ether	BRL		µg/kg wet	5.0						
Tert-amyl methyl ether	BRL		µg/kg wet	5.0						
Ethyl tert-butyl ether	BRL		µg/kg wet	5.0						
Di-isopropyl ether	BRL		µg/kg wet	5.0						
Tert-Butanol / butyl alcohol	BRL		µg/kg wet	50.0						
1,4-Dioxane	BRL		µg/kg wet	100						
trans-1,4-Dichloro-2-butene	BRL		µg/kg wet	25.0						
Ethanol	BRL		µg/kg wet	2000						
Surrogate: 4-Bromofluorobenzene	*48.6*		µg/kg wet		*50.0*		*97*	*70-130*		
Surrogate: Toluene-d8	*48.8*		µg/kg wet		*50.0*		*98*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*55.0*		µg/kg wet		*50.0*		*110*	*70-130*		
Surrogate: Dibromofluoromethane	*48.0*		µg/kg wet		*50.0*		*96*	*70-130*		
LCS (9010204-BS1)										
Prepared & Analyzed: 06-Jan-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	17.2		µg/kg wet		20.0		86	70-130		
Acetone	12.4		µg/kg wet		20.0		62	7.9-168		
Acrylonitrile	18.4		µg/kg wet		20.0		92	70-130		
Benzene	20.2		µg/kg wet		20.0		101	70-130		
Bromobenzene	17.7		µg/kg wet		20.0		89	70-130		
Bromochloromethane	17.8		µg/kg wet		20.0		89	70-130		
Bromodichloromethane	19.6		µg/kg wet		20.0		98	70-130		
Bromoform	19.0		µg/kg wet		20.0		95	70-130		
Bromomethane	18.9		µg/kg wet		20.0		94	50-134		
2-Butanone (MEK)	19.0		µg/kg wet		20.0		95	44.6-130		
n-Butylbenzene	20.6		µg/kg wet		20.0		103	70-130		
sec-Butylbenzene	19.3		µg/kg wet		20.0		96	70-130		
tert-Butylbenzene	19.7		µg/kg wet		20.0		99	70-130		
Carbon disulfide	21.2		µg/kg wet		20.0		106	70-130		
Carbon tetrachloride	18.7		µg/kg wet		20.0		94	70-130		
Chlorobenzene	18.7		µg/kg wet		20.0		94	70-130		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010204 - SW846 5035A Soil (low level)										
LCS (9010204-BS1)										
Prepared & Analyzed: 06-Jan-09										
Chloroethane	18.3		µg/kg wet		20.0		92	59.2-130		
Chloroform	17.5		µg/kg wet		20.0		87	70-130		
Chloromethane	17.1		µg/kg wet		20.0		86	70-130		
2-Chlorotoluene	20.1		µg/kg wet		20.0		100	70-130		
4-Chlorotoluene	19.4		µg/kg wet		20.0		97	70-130		
1,2-Dibromo-3-chloropropane	22.9		µg/kg wet		20.0		114	70-130		
Dibromochloromethane	18.5		µg/kg wet		20.0		93	63.8-130		
1,2-Dibromoethane (EDB)	18.0		µg/kg wet		20.0		90	70-130		
Dibromomethane	17.3		µg/kg wet		20.0		86	70-130		
1,2-Dichlorobenzene	20.3		µg/kg wet		20.0		102	70-130		
1,3-Dichlorobenzene	18.5		µg/kg wet		20.0		92	70-130		
1,4-Dichlorobenzene	19.7		µg/kg wet		20.0		99	70-130		
Dichlorodifluoromethane (Freon12)	15.7		µg/kg wet		20.0		78	41.8-130		
1,1-Dichloroethane	18.5		µg/kg wet		20.0		92	70-130		
1,2-Dichloroethane	17.9		µg/kg wet		20.0		89	70-130		
1,1-Dichloroethene	20.1		µg/kg wet		20.0		101	70-130		
cis-1,2-Dichloroethene	19.3		µg/kg wet		20.0		97	70-130		
trans-1,2-Dichloroethene	18.6		µg/kg wet		20.0		93	70-130		
1,2-Dichloropropane	19.4		µg/kg wet		20.0		97	70-130		
1,3-Dichloropropane	18.4		µg/kg wet		20.0		92	70-130		
2,2-Dichloropropane	19.1		µg/kg wet		20.0		96	70-130		
1,1-Dichloropropene	18.8		µg/kg wet		20.0		94	70-130		
cis-1,3-Dichloropropene	19.0		µg/kg wet		20.0		95	70-130		
trans-1,3-Dichloropropene	20.3		µg/kg wet		20.0		101	70-130		
Ethylbenzene	19.9		µg/kg wet		20.0		100	70-130		
Hexachlorobutadiene	18.0		µg/kg wet		20.0		90	68.3-130		
2-Hexanone (MBK)	16.3		µg/kg wet		20.0		82	70-130		
Isopropylbenzene	19.1		µg/kg wet		20.0		96	70-130		
4-Isopropyltoluene	20.3		µg/kg wet		20.0		101	70-130		
Methyl tert-butyl ether	19.7		µg/kg wet		20.0		98	70-130		
4-Methyl-2-pentanone (MIBK)	14.8		µg/kg wet		20.0		74	53.1-132		
Methylene chloride	19.5		µg/kg wet		20.0		98	70-130		
Naphthalene	17.9		µg/kg wet		20.0		90	70-130		
n-Propylbenzene	19.4		µg/kg wet		20.0		97	70-130		
Styrene	19.7		µg/kg wet		20.0		98	70-130		
1,1,1,2-Tetrachloroethane	18.3		µg/kg wet		20.0		92	70-130		
1,1,2,2-Tetrachloroethane	18.8		µg/kg wet		20.0		94	70-130		
Tetrachloroethene	17.7		µg/kg wet		20.0		89	70-130		
Toluene	16.7		µg/kg wet		20.0		84	70-130		
1,2,3-Trichlorobenzene	19.7		µg/kg wet		20.0		98	70-130		
1,2,4-Trichlorobenzene	18.8		µg/kg wet		20.0		94	70-130		
1,3,5-Trichlorobenzene	19.4		µg/kg wet		20.0		97	70-130		
1,1,1-Trichloroethane	18.9		µg/kg wet		20.0		94	70-130		
1,1,2-Trichloroethane	18.2		µg/kg wet		20.0		91	70-130		
Trichloroethene	19.1		µg/kg wet		20.0		96	70-130		
Trichlorofluoromethane (Freon 11)	18.6		µg/kg wet		20.0		93	68.2-130		
1,2,3-Trichloropropane	19.3		µg/kg wet		20.0		96	70-130		
1,2,4-Trimethylbenzene	19.7		µg/kg wet		20.0		99	70-130		
1,3,5-Trimethylbenzene	19.6		µg/kg wet		20.0		98	70-130		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010204 - SW846 5035A Soil (low level)										
LCS (9010204-BS1)										
Prepared & Analyzed: 06-Jan-09										
Vinyl chloride	19.6		µg/kg wet		20.0		98	70-130		
m,p-Xylene	40.2		µg/kg wet		40.0		100	70-130		
o-Xylene	19.4		µg/kg wet		20.0		97	70-130		
Tetrahydrofuran	16.9		µg/kg wet		20.0		84	70-130		
Ethyl ether	20.4		µg/kg wet		20.0		102	70-130		
Tert-amyl methyl ether	21.4		µg/kg wet		20.0		107	70-130		
Ethyl tert-butyl ether	20.1		µg/kg wet		20.0		101	70-130		
Di-isopropyl ether	19.3		µg/kg wet		20.0		97	70-130		
Tert-Butanol / butyl alcohol	214		µg/kg wet		200		107	70-130		
1,4-Dioxane	188		µg/kg wet		200		94	48.7-130		
trans-1,4-Dichloro-2-butene	17.9		µg/kg wet		20.0		90	70-130		
Ethanol	369		µg/kg wet		400		92	70-130		
Surrogate: 4-Bromofluorobenzene	*50.6*		µg/kg wet		*50.0*		*101*	*70-130*		
Surrogate: Toluene-d8	*47.7*		µg/kg wet		*50.0*		*95*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*45.1*		µg/kg wet		*50.0*		*90*	*70-130*		
Surrogate: Dibromofluoromethane	*44.6*		µg/kg wet		*50.0*		*89*	*70-130*		
LCS Dup (9010204-BSD1)										
Prepared & Analyzed: 06-Jan-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	17.3		µg/kg wet		20.0		87	70-130	0.8	25
Acetone	5.7	QR2	µg/kg wet		20.0		28	7.9-168	74	50
Acrylonitrile	18.0		µg/kg wet		20.0		90	70-130	2	25
Benzene	20.5		µg/kg wet		20.0		102	70-130	1	25
Bromobenzene	19.0		µg/kg wet		20.0		95	70-130	7	25
Bromochloromethane	17.6		µg/kg wet		20.0		88	70-130	1	25
Bromodichloromethane	19.9		µg/kg wet		20.0		100	70-130	1	25
Bromoform	18.6		µg/kg wet		20.0		93	70-130	2	25
Bromomethane	18.1		µg/kg wet		20.0		90	50-134	4	50
2-Butanone (MEK)	14.7		µg/kg wet		20.0		73	44.6-130	26	50
n-Butylbenzene	21.7		µg/kg wet		20.0		108	70-130	5	25
sec-Butylbenzene	19.8		µg/kg wet		20.0		99	70-130	3	25
tert-Butylbenzene	19.9		µg/kg wet		20.0		99	70-130	0.8	25
Carbon disulfide	21.1		µg/kg wet		20.0		106	70-130	0.05	25
Carbon tetrachloride	19.1		µg/kg wet		20.0		95	70-130	2	25
Chlorobenzene	19.6		µg/kg wet		20.0		98	70-130	5	25
Chloroethane	18.0		µg/kg wet		20.0		90	59.2-130	2	50
Chloroform	18.2		µg/kg wet		20.0		91	70-130	4	25
Chloromethane	17.1		µg/kg wet		20.0		85	70-130	0.2	25
2-Chlorotoluene	20.9		µg/kg wet		20.0		105	70-130	4	25
4-Chlorotoluene	20.0		µg/kg wet		20.0		100	70-130	3	25
1,2-Dibromo-3-chloropropane	17.9		µg/kg wet		20.0		90	70-130	24	25
Dibromochloromethane	18.6		µg/kg wet		20.0		93	63.8-130	0.4	50
1,2-Dibromoethane (EDB)	17.1		µg/kg wet		20.0		85	70-130	5	25
Dibromomethane	16.9		µg/kg wet		20.0		84	70-130	2	25
1,2-Dichlorobenzene	20.0		µg/kg wet		20.0		100	70-130	1	25
1,3-Dichlorobenzene	18.9		µg/kg wet		20.0		95	70-130	3	25
1,4-Dichlorobenzene	19.7		µg/kg wet		20.0		99	70-130	0.05	25
Dichlorodifluoromethane (Freon12)	16.4		µg/kg wet		20.0		82	41.8-130	4	50
1,1-Dichloroethane	19.3		µg/kg wet		20.0		96	70-130	4	25
1,2-Dichloroethane	17.9		µg/kg wet		20.0		89	70-130	0	25
1,1-Dichloroethene	21.2		µg/kg wet		20.0		106	70-130	5	25

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010204 - SW846 5035A Soil (low level)										
LCS Dup (9010204-BSD1)										
Prepared & Analyzed: 06-Jan-09										
cis-1,2-Dichloroethene	19.0		µg/kg wet		20.0		95	70-130	2	25
trans-1,2-Dichloroethene	20.0		µg/kg wet		20.0		100	70-130	7	25
1,2-Dichloropropane	20.0		µg/kg wet		20.0		100	70-130	3	25
1,3-Dichloropropane	17.2		µg/kg wet		20.0		86	70-130	7	25
2,2-Dichloropropane	19.2		µg/kg wet		20.0		96	70-130	0.3	25
1,1-Dichloropropene	19.6		µg/kg wet		20.0		98	70-130	4	25
cis-1,3-Dichloropropene	19.4		µg/kg wet		20.0		97	70-130	2	25
trans-1,3-Dichloropropene	19.6		µg/kg wet		20.0		98	70-130	4	25
Ethylbenzene	20.6		µg/kg wet		20.0		103	70-130	3	25
Hexachlorobutadiene	19.0		µg/kg wet		20.0		95	68.3-130	6	50
2-Hexanone (MBK)	15.5		µg/kg wet		20.0		78	70-130	5	25
Isopropylbenzene	19.8		µg/kg wet		20.0		99	70-130	3	25
4-Isopropyltoluene	20.9		µg/kg wet		20.0		104	70-130	3	25
Methyl tert-butyl ether	19.1		µg/kg wet		20.0		96	70-130	3	25
4-Methyl-2-pentanone (MIBK)	15.9		µg/kg wet		20.0		80	53.1-132	8	50
Methylene chloride	19.3		µg/kg wet		20.0		97	70-130	1	25
Naphthalene	17.2		µg/kg wet		20.0		86	70-130	4	25
n-Propylbenzene	20.0		µg/kg wet		20.0		100	70-130	3	25
Styrene	20.4		µg/kg wet		20.0		102	70-130	4	25
1,1,1,2-Tetrachloroethane	19.3		µg/kg wet		20.0		96	70-130	5	25
1,1,2,2-Tetrachloroethane	17.8		µg/kg wet		20.0		89	70-130	5	25
Tetrachloroethene	17.5		µg/kg wet		20.0		88	70-130	1	25
Toluene	17.6		µg/kg wet		20.0		88	70-130	5	25
1,2,3-Trichlorobenzene	18.7		µg/kg wet		20.0		94	70-130	5	25
1,2,4-Trichlorobenzene	18.2		µg/kg wet		20.0		91	70-130	3	25
1,3,5-Trichlorobenzene	19.7		µg/kg wet		20.0		98	70-130	1	25
1,1,1-Trichloroethane	19.6		µg/kg wet		20.0		98	70-130	4	25
1,1,2-Trichloroethane	17.0		µg/kg wet		20.0		85	70-130	7	25
Trichloroethene	19.6		µg/kg wet		20.0		98	70-130	2	25
Trichlorofluoromethane (Freon 11)	19.7		µg/kg wet		20.0		99	68.2-130	6	50
1,2,3-Trichloropropane	17.3		µg/kg wet		20.0		86	70-130	11	25
1,2,4-Trimethylbenzene	20.3		µg/kg wet		20.0		101	70-130	3	25
1,3,5-Trimethylbenzene	20.2		µg/kg wet		20.0		101	70-130	3	25
Vinyl chloride	19.5		µg/kg wet		20.0		98	70-130	0.3	25
m,p-Xylene	40.6		µg/kg wet		40.0		102	70-130	1	25
o-Xylene	20.1		µg/kg wet		20.0		100	70-130	4	25
Tetrahydrofuran	15.5		µg/kg wet		20.0		78	70-130	8	25
Ethyl ether	18.8		µg/kg wet		20.0		94	70-130	9	50
Tert-amyl methyl ether	16.2	QR2	µg/kg wet		20.0		81	70-130	27	25
Ethyl tert-butyl ether	19.6		µg/kg wet		20.0		98	70-130	3	25
Di-isopropyl ether	18.8		µg/kg wet		20.0		94	70-130	3	25
Tert-Butanol / butyl alcohol	177		µg/kg wet		200		88	70-130	19	25
1,4-Dioxane	163		µg/kg wet		200		82	48.7-130	14	25
trans-1,4-Dichloro-2-butene	18.3		µg/kg wet		20.0		91	70-130	2	25
Ethanol	351		µg/kg wet		400		88	70-130	5	30
Surrogate: 4-Bromofluorobenzene	*50.3*		µg/kg wet		*50.0*		*101*	*70-130*		
Surrogate: Toluene-d8	*48.3*		µg/kg wet		*50.0*		*97*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*44.1*		µg/kg wet		*50.0*		*88*	*70-130*		
Surrogate: Dibromofluoromethane	*44.9*		µg/kg wet		*50.0*		*90*	*70-130*		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010206 - SW846 5030 Water MS										
Blank (9010206-BLK1)										
Prepared & Analyzed: 06-Jan-09										
Acetone	BRL		µg/l	10.0						
Acrylonitrile	BRL		µg/l	1.0						
Benzene	BRL		µg/l	1.0						
Bromobenzene	BRL		µg/l	1.0						
Bromochloromethane	BRL		µg/l	1.0						
Bromodichloromethane	BRL		µg/l	1.0						
Bromoform	BRL		µg/l	1.0						
Bromomethane	BRL		µg/l	2.0						
2-Butanone (MEK)	BRL		µg/l	10.0						
n-Butylbenzene	BRL		µg/l	1.0						
sec-Butylbenzene	BRL		µg/l	1.0						
tert-Butylbenzene	BRL		µg/l	1.0						
Carbon disulfide	BRL		µg/l	5.0						
Carbon tetrachloride	BRL		µg/l	1.0						
Chlorobenzene	BRL		µg/l	1.0						
Chloroethane	BRL		µg/l	2.0						
Chloroform	BRL		µg/l	1.0						
Chloromethane	BRL		µg/l	2.0						
2-Chlorotoluene	BRL		µg/l	1.0						
4-Chlorotoluene	BRL		µg/l	1.0						
1,2-Dibromo-3-chloropropane	BRL		µg/l	2.0						
Dibromochloromethane	BRL		µg/l	1.0						
1,2-Dibromoethane (EDB)	BRL		µg/l	1.0						
Dibromomethane	BRL		µg/l	1.0						
1,2-Dichlorobenzene	BRL		µg/l	1.0						
1,3-Dichlorobenzene	BRL		µg/l	1.0						
1,4-Dichlorobenzene	BRL		µg/l	1.0						
Dichlorodifluoromethane (Freon12)	BRL		µg/l	2.0						
1,1-Dichloroethane	BRL		µg/l	1.0						
1,2-Dichloroethane	BRL		µg/l	1.0						
1,1-Dichloroethene	BRL		µg/l	1.0						
cis-1,2-Dichloroethene	BRL		µg/l	1.0						
trans-1,2-Dichloroethene	BRL		µg/l	1.0						
1,2-Dichloropropane	BRL		µg/l	1.0						
1,3-Dichloropropane	BRL		µg/l	1.0						
2,2-Dichloropropane	BRL		µg/l	1.0						
1,1-Dichloropropene	BRL		µg/l	1.0						
cis-1,3-Dichloropropene	BRL		µg/l	1.0						
trans-1,3-Dichloropropene	BRL		µg/l	1.0						
Ethylbenzene	BRL		µg/l	1.0						
Hexachlorobutadiene	BRL		µg/l	1.0						
2-Hexanone (MBK)	BRL		µg/l	10.0						
Isopropylbenzene	BRL		µg/l	1.0						
4-Isopropyltoluene	BRL		µg/l	1.0						
Methyl tert-butyl ether	BRL		µg/l	1.0						
4-Methyl-2-pentanone (MIBK)	BRL		µg/l	10.0						
Methylene chloride	BRL		µg/l	10.0						
Naphthalene	BRL		µg/l	1.0						
n-Propylbenzene	BRL		µg/l	1.0						
Styrene	BRL		µg/l	1.0						

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010206 - SW846 5030 Water MS										
Blank (9010206-BLK1)										
Prepared & Analyzed: 06-Jan-09										
1,1,1,2-Tetrachloroethane	BRL		µg/l	1.0						
1,1,2,2-Tetrachloroethane	BRL		µg/l	1.0						
Tetrachloroethene	BRL		µg/l	1.0						
Toluene	BRL		µg/l	1.0						
1,2,3-Trichlorobenzene	BRL		µg/l	1.0						
1,2,4-Trichlorobenzene	BRL		µg/l	1.0						
1,3,5-Trichlorobenzene	BRL		µg/l	1.0						
1,1,1-Trichloroethane	BRL		µg/l	1.0						
1,1,2-Trichloroethane	BRL		µg/l	1.0						
Trichloroethene	BRL		µg/l	1.0						
Trichlorofluoromethane (Freon 11)	BRL		µg/l	1.0						
1,2,3-Trichloropropane	BRL		µg/l	1.0						
1,2,4-Trimethylbenzene	BRL		µg/l	1.0						
1,3,5-Trimethylbenzene	BRL		µg/l	1.0						
Vinyl chloride	BRL		µg/l	1.0						
m,p-Xylene	BRL		µg/l	2.0						
o-Xylene	BRL		µg/l	1.0						
Tetrahydrofuran	BRL		µg/l	10.0						
Ethyl ether	BRL		µg/l	1.0						
Tert-amyl methyl ether	BRL		µg/l	1.0						
Ethyl tert-butyl ether	BRL		µg/l	1.0						
Di-isopropyl ether	BRL		µg/l	1.0						
Tert-Butanol / butyl alcohol	BRL		µg/l	10.0						
1,4-Dioxane	BRL		µg/l	20.0						
trans-1,4-Dichloro-2-butene	BRL		µg/l	5.0						
Ethanol	BRL		µg/l	500						
Surrogate: 4-Bromofluorobenzene	*48.2*		µg/l		*50.0*		*96*	*70-130*		
Surrogate: Toluene-d8	*51.0*		µg/l		*50.0*		*102*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*54.7*		µg/l		*50.0*		*109*	*70-130*		
Surrogate: Dibromofluoromethane	*55.6*		µg/l		*50.0*		*111*	*70-130*		
LCS (9010206-BS1)										
Prepared & Analyzed: 06-Jan-09										
Acetone	16.9		µg/l		20.0		85	31.7-144		
Acrylonitrile	18.6		µg/l		20.0		93	70-130		
Benzene	23.0		µg/l		20.0		115	70-130		
Bromobenzene	21.6		µg/l		20.0		108	70-130		
Bromochloromethane	20.9		µg/l		20.0		104	70-130		
Bromodichloromethane	19.8		µg/l		20.0		99	70-130		
Bromoform	19.6		µg/l		20.0		98	70-130		
Bromomethane	19.1		µg/l		20.0		96	43-158		
2-Butanone (MEK)	17.9		µg/l		20.0		90	54.5-137		
n-Butylbenzene	18.8		µg/l		20.0		94	70-130		
sec-Butylbenzene	21.0		µg/l		20.0		105	70-130		
tert-Butylbenzene	21.6		µg/l		20.0		108	70-130		
Carbon disulfide	19.7		µg/l		20.0		98	70-130		
Carbon tetrachloride	22.8		µg/l		20.0		114	70-130		
Chlorobenzene	20.4		µg/l		20.0		102	70-130		
Chloroethane	18.0		µg/l		20.0		90	60.1-131		
Chloroform	20.2		µg/l		20.0		101	70-130		
Chloromethane	19.3		µg/l		20.0		97	70-130		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010206 - SW846 5030 Water MS										
LCS (9010206-BS1)										
Prepared & Analyzed: 06-Jan-09										
2-Chlorotoluene	20.7		µg/l		20.0		103	70-130		
4-Chlorotoluene	21.4		µg/l		20.0		107	70-130		
1,2-Dibromo-3-chloropropane	18.9		µg/l		20.0		95	70-130		
Dibromochloromethane	18.9		µg/l		20.0		95	66.2-145		
1,2-Dibromoethane (EDB)	20.2		µg/l		20.0		101	70-130		
Dibromomethane	20.0		µg/l		20.0		100	70-130		
1,2-Dichlorobenzene	19.8		µg/l		20.0		99	70-130		
1,3-Dichlorobenzene	22.5		µg/l		20.0		113	70-130		
1,4-Dichlorobenzene	18.7		µg/l		20.0		94	70-130		
Dichlorodifluoromethane (Freon12)	19.0		µg/l		20.0		95	46.9-168		
1,1-Dichloroethane	19.5		µg/l		20.0		98	70-130		
1,2-Dichloroethane	20.6		µg/l		20.0		103	70-130		
1,1-Dichloroethene	20.7		µg/l		20.0		104	70-130		
cis-1,2-Dichloroethene	19.6		µg/l		20.0		98	70-130		
trans-1,2-Dichloroethene	19.9		µg/l		20.0		99	70-130		
1,2-Dichloropropane	18.9		µg/l		20.0		95	70-130		
1,3-Dichloropropane	19.0		µg/l		20.0		95	70-130		
2,2-Dichloropropane	21.3		µg/l		20.0		106	70-130		
1,1-Dichloropropene	21.7		µg/l		20.0		108	70-130		
cis-1,3-Dichloropropene	17.2		µg/l		20.0		86	70-130		
trans-1,3-Dichloropropene	17.2		µg/l		20.0		86	70-130		
Ethylbenzene	20.8		µg/l		20.0		104	70-130		
Hexachlorobutadiene	32.2	QC2	µg/l		20.0		161	70-135		
2-Hexanone (MBK)	17.8		µg/l		20.0		89	70-130		
Isopropylbenzene	20.0		µg/l		20.0		100	70-130		
4-Isopropyltoluene	19.2		µg/l		20.0		96	70-130		
Methyl tert-butyl ether	18.9		µg/l		20.0		94	70-130		
4-Methyl-2-pentanone (MIBK)	14.5		µg/l		20.0		73	57.6-130		
Methylene chloride	19.7		µg/l		20.0		98	70-130		
Naphthalene	30.5	QC2	µg/l		20.0		152	70-130		
n-Propylbenzene	20.5		µg/l		20.0		102	70-130		
Styrene	20.6		µg/l		20.0		103	70-130		
1,1,1,2-Tetrachloroethane	23.7		µg/l		20.0		119	70-130		
1,1,2,2-Tetrachloroethane	19.9		µg/l		20.0		100	70-130		
Tetrachloroethene	22.2		µg/l		20.0		111	70-130		
Toluene	18.8		µg/l		20.0		94	70-130		
1,2,3-Trichlorobenzene	36.1	QC2	µg/l		20.0		180	70-130		
1,2,4-Trichlorobenzene	32.8	QC2	µg/l		20.0		164	70-130		
1,3,5-Trichlorobenzene	26.4	QC1	µg/l		20.0		132	70-130		
1,1,1-Trichloroethane	21.2		µg/l		20.0		106	70-130		
1,1,2-Trichloroethane	20.0		µg/l		20.0		100	70-130		
Trichloroethene	18.9		µg/l		20.0		94	70-130		
Trichlorofluoromethane (Freon 11)	20.8		µg/l		20.0		104	64.9-147		
1,2,3-Trichloropropane	19.1		µg/l		20.0		95	70-130		
1,2,4-Trimethylbenzene	21.4		µg/l		20.0		107	70-130		
1,3,5-Trimethylbenzene	21.3		µg/l		20.0		106	70-130		
Vinyl chloride	18.2		µg/l		20.0		91	70-130		
m,p-Xylene	41.6		µg/l		40.0		104	70-130		
o-Xylene	21.0		µg/l		20.0		105	70-130		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010206 - SW846 5030 Water MS										
LCS (9010206-BS1)										
Prepared & Analyzed: 06-Jan-09										
Tetrahydrofuran	18.6		µg/l		20.0		93	70-130		
Ethyl ether	19.4		µg/l		20.0		97	70-130		
Tert-amyl methyl ether	18.1		µg/l		20.0		91	70-130		
Ethyl tert-butyl ether	18.4		µg/l		20.0		92	70-130		
Di-isopropyl ether	18.9		µg/l		20.0		94	70-130		
Tert-Butanol / butyl alcohol	173		µg/l		200		87	70-130		
1,4-Dioxane	197		µg/l		200		99	53.8-137		
trans-1,4-Dichloro-2-butene	14.2		µg/l		20.0		71	70-130		
Ethanol	335		µg/l		400		84	70-130		
Surrogate: 4-Bromofluorobenzene	*52.3*		µg/l		*50.0*		*105*	*70-130*		
Surrogate: Toluene-d8	*48.5*		µg/l		*50.0*		*97*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*50.5*		µg/l		*50.0*		*101*	*70-130*		
Surrogate: Dibromofluoromethane	*50.4*		µg/l		*50.0*		*101*	*70-130*		
LCS Dup (9010206-BSD1)										
Prepared & Analyzed: 06-Jan-09										
Acetone	14.7		µg/l		20.0		73	31.7-144	14	50
Acrylonitrile	16.7		µg/l		20.0		83	70-130	11	25
Benzene	18.7		µg/l		20.0		93	70-130	21	25
Bromobenzene	20.3		µg/l		20.0		102	70-130	6	25
Bromochloromethane	17.6		µg/l		20.0		88	70-130	17	25
Bromodichloromethane	16.4		µg/l		20.0		82	70-130	19	25
Bromoform	18.4		µg/l		20.0		92	70-130	6	25
Bromomethane	15.1		µg/l		20.0		76	43-158	24	50
2-Butanone (MEK)	15.1		µg/l		20.0		75	54.5-137	17	50
n-Butylbenzene	17.8		µg/l		20.0		89	70-130	6	25
sec-Butylbenzene	19.1		µg/l		20.0		95	70-130	9	25
tert-Butylbenzene	19.4		µg/l		20.0		97	70-130	11	25
Carbon disulfide	15.0	QR2	µg/l		20.0		75	70-130	27	25
Carbon tetrachloride	17.8		µg/l		20.0		89	70-130	25	25
Chlorobenzene	18.9		µg/l		20.0		95	70-130	8	25
Chloroethane	14.5		µg/l		20.0		73	60.1-131	21	50
Chloroform	16.8		µg/l		20.0		84	70-130	18	25
Chloromethane	15.4		µg/l		20.0		77	70-130	23	25
2-Chlorotoluene	18.7		µg/l		20.0		94	70-130	10	25
4-Chlorotoluene	18.7		µg/l		20.0		94	70-130	14	25
1,2-Dibromo-3-chloropropane	20.0		µg/l		20.0		100	70-130	6	25
Dibromochloromethane	15.7		µg/l		20.0		79	66.2-145	19	50
1,2-Dibromoethane (EDB)	16.6		µg/l		20.0		83	70-130	20	25
Dibromomethane	16.5		µg/l		20.0		82	70-130	19	25
1,2-Dichlorobenzene	19.2		µg/l		20.0		96	70-130	3	25
1,3-Dichlorobenzene	20.2		µg/l		20.0		101	70-130	11	25
1,4-Dichlorobenzene	18.0		µg/l		20.0		90	70-130	4	25
Dichlorodifluoromethane (Freon12)	15.0		µg/l		20.0		75	46.9-168	23	50
1,1-Dichloroethane	16.0		µg/l		20.0		80	70-130	20	25
1,2-Dichloroethane	17.1		µg/l		20.0		85	70-130	19	25
1,1-Dichloroethene	16.0		µg/l		20.0		80	70-130	25	25
cis-1,2-Dichloroethene	15.7		µg/l		20.0		78	70-130	22	25
trans-1,2-Dichloroethene	15.8		µg/l		20.0		79	70-130	23	25
1,2-Dichloropropane	15.9		µg/l		20.0		80	70-130	17	25
1,3-Dichloropropane	16.2		µg/l		20.0		81	70-130	16	25

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010206 - SW846 5030 Water MS										
LCS Dup (9010206-BSD1)										
Prepared & Analyzed: 06-Jan-09										
2,2-Dichloropropane	16.4	QR2	µg/l		20.0		82	70-130	26	25
1,1-Dichloropropene	17.0		µg/l		20.0		85	70-130	24	25
cis-1,3-Dichloropropene	14.6		µg/l		20.0		73	70-130	16	25
trans-1,3-Dichloropropene	14.7		µg/l		20.0		74	70-130	16	25
Ethylbenzene	18.8		µg/l		20.0		94	70-130	10	25
Hexachlorobutadiene	27.9	QC2	µg/l		20.0		139	70-135	15	50
2-Hexanone (MBK)	15.7		µg/l		20.0		79	70-130	12	25
Isopropylbenzene	18.4		µg/l		20.0		92	70-130	8	25
4-Isopropyltoluene	17.8		µg/l		20.0		89	70-130	8	25
Methyl tert-butyl ether	16.0		µg/l		20.0		80	70-130	17	25
4-Methyl-2-pentanone (MIBK)	12.8		µg/l		20.0		64	57.6-130	12	50
Methylene chloride	15.7		µg/l		20.0		78	70-130	23	25
Naphthalene	28.2	QC2	µg/l		20.0		141	70-130	8	25
n-Propylbenzene	18.2		µg/l		20.0		91	70-130	12	25
Styrene	18.9		µg/l		20.0		95	70-130	8	25
1,1,1,2-Tetrachloroethane	21.8		µg/l		20.0		109	70-130	8	25
1,1,2,2-Tetrachloroethane	18.5		µg/l		20.0		92	70-130	7	25
Tetrachloroethene	17.4		µg/l		20.0		87	70-130	24	25
Toluene	15.7		µg/l		20.0		79	70-130	18	25
1,2,3-Trichlorobenzene	30.8	QC2	µg/l		20.0		154	70-130	16	25
1,2,4-Trichlorobenzene	30.1	QC2	µg/l		20.0		151	70-130	8	25
1,3,5-Trichlorobenzene	24.1		µg/l		20.0		120	70-130	9	25
1,1,1-Trichloroethane	17.0		µg/l		20.0		85	70-130	22	25
1,1,2-Trichloroethane	16.2		µg/l		20.0		81	70-130	21	25
Trichloroethene	15.1		µg/l		20.0		76	70-130	22	25
Trichlorofluoromethane (Freon 11)	16.3		µg/l		20.0		82	64.9-147	24	50
1,2,3-Trichloropropane	18.4		µg/l		20.0		92	70-130	4	25
1,2,4-Trimethylbenzene	19.3		µg/l		20.0		97	70-130	10	25
1,3,5-Trimethylbenzene	19.2		µg/l		20.0		96	70-130	10	25
Vinyl chloride	14.3		µg/l		20.0		72	70-130	24	25
m,p-Xylene	37.8		µg/l		40.0		94	70-130	10	25
o-Xylene	18.9		µg/l		20.0		94	70-130	11	25
Tetrahydrofuran	16.1		µg/l		20.0		81	70-130	14	25
Ethyl ether	16.6		µg/l		20.0		83	70-130	16	50
Tert-amyl methyl ether	17.4		µg/l		20.0		87	70-130	4	25
Ethyl tert-butyl ether	15.2		µg/l		20.0		76	70-130	18	25
Di-isopropyl ether	15.4		µg/l		20.0		77	70-130	20	25
Tert-Butanol / butyl alcohol	153		µg/l		200		76	70-130	13	25
1,4-Dioxane	175		µg/l		200		88	53.8-137	12	25
trans-1,4-Dichloro-2-butene	12.4	QC1	µg/l		20.0		62	70-130	14	25
Ethanol	312		µg/l		400		78	70-130	7	30
Surrogate: 4-Bromofluorobenzene	*49.8*		µg/l		*50.0*		*100*	*70-130*		
Surrogate: Toluene-d8	*41.6*		µg/l		*50.0*		*83*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*43.6*		µg/l		*50.0*		*87*	*70-130*		
Surrogate: Dibromofluoromethane	*44.5*		µg/l		*50.0*		*89*	*70-130*		
Matrix Spike (9010206-MS1) **Source: SA89428-01** Z-2										
Prepared: 06-Jan-09 Analyzed: 07-Jan-09										
Benzene	20.2		µg/l		20.0	BRL	101	70-130		
Chlorobenzene	19.7		µg/l		20.0	BRL	99	70-130		
1,1-Dichloroethene	21.1		µg/l		20.0	BRL	105	70-130		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010206 - SW846 5030 Water MS										
Matrix Spike (9010206-MS1) Source: SA89428-01 Z-2										
Prepared: 06-Jan-09 Analyzed: 07-Jan-09										
Toluene	17.5		µg/l		20.0	BRL	88	70-130		
Trichloroethene	51.0	QM7	µg/l		20.0	41.6	47	70-130		
Surrogate: 4-Bromofluorobenzene	*52.5*		µg/l		*50.0*		*105*	*70-130*		
Surrogate: Toluene-d8	*48.4*		µg/l		*50.0*		*97*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*51.4*		µg/l		*50.0*		*103*	*70-130*		
Surrogate: Dibromofluoromethane	*51.0*		µg/l		*50.0*		*102*	*70-130*		
Matrix Spike Dup (9010206-MSD1) Source: SA89428-01 Z-2										
Prepared: 06-Jan-09 Analyzed: 07-Jan-09										
Benzene	21.8		µg/l		20.0	BRL	109	70-130	8	30
Chlorobenzene	21.4		µg/l		20.0	BRL	107	70-130	8	30
1,1-Dichloroethene	22.9		µg/l		20.0	BRL	115	70-130	8	30
Toluene	19.0		µg/l		20.0	BRL	95	70-130	8	30
Trichloroethene	51.1	QM7	µg/l		20.0	41.6	48	70-130	0.4	30
Surrogate: 4-Bromofluorobenzene	*52.0*		µg/l		*50.0*		*104*	*70-130*		
Surrogate: Toluene-d8	*48.4*		µg/l		*50.0*		*97*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*51.4*		µg/l		*50.0*		*103*	*70-130*		
Surrogate: Dibromofluoromethane	*51.0*		µg/l		*50.0*		*102*	*70-130*		
Batch 9010327 - SW846 5030 Soil (high level)										
Blank (9010327-BLK1)										
Prepared & Analyzed: 07-Jan-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg wet	1.0						
Acetone	BRL		µg/kg wet	10.0						
Acrylonitrile	BRL		µg/kg wet	1.0						
Benzene	BRL		µg/kg wet	1.0						
Bromobenzene	BRL		µg/kg wet	1.0						
Bromochloromethane	BRL		µg/kg wet	1.0						
Bromodichloromethane	BRL		µg/kg wet	1.0						
Bromoform	BRL		µg/kg wet	1.0						
Bromomethane	BRL		µg/kg wet	2.0						
2-Butanone (MEK)	BRL		µg/kg wet	10.0						
n-Butylbenzene	BRL		µg/kg wet	1.0						
sec-Butylbenzene	BRL		µg/kg wet	1.0						
tert-Butylbenzene	BRL		µg/kg wet	1.0						
Carbon disulfide	BRL		µg/kg wet	5.0						
Carbon tetrachloride	BRL		µg/kg wet	1.0						
Chlorobenzene	BRL		µg/kg wet	1.0						
Chloroethane	BRL		µg/kg wet	2.0						
Chloroform	BRL		µg/kg wet	1.0						
Chloromethane	BRL		µg/kg wet	2.0						
2-Chlorotoluene	BRL		µg/kg wet	1.0						
4-Chlorotoluene	BRL		µg/kg wet	1.0						
1,2-Dibromo-3-chloropropane	BRL		µg/kg wet	2.0						
Dibromochloromethane	BRL		µg/kg wet	1.0						
1,2-Dibromoethane (EDB)	BRL		µg/kg wet	1.0						
Dibromomethane	BRL		µg/kg wet	1.0						
1,2-Dichlorobenzene	BRL		µg/kg wet	1.0						
1,3-Dichlorobenzene	BRL		µg/kg wet	1.0						
1,4-Dichlorobenzene	BRL		µg/kg wet	1.0						
Dichlorodifluoromethane (Freon12)	BRL		µg/kg wet	2.0						
1,1-Dichloroethane	BRL		µg/kg wet	1.0						

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010327 - SW846 5030 Soil (high level)										
Blank (9010327-BLK1)										
Prepared & Analyzed: 07-Jan-09										
1,2-Dichloroethane	BRL		µg/kg wet	1.0						
1,1-Dichloroethene	BRL		µg/kg wet	1.0						
cis-1,2-Dichloroethene	BRL		µg/kg wet	1.0						
trans-1,2-Dichloroethene	BRL		µg/kg wet	1.0						
1,2-Dichloropropane	BRL		µg/kg wet	1.0						
1,3-Dichloropropane	BRL		µg/kg wet	1.0						
2,2-Dichloropropane	BRL		µg/kg wet	1.0						
1,1-Dichloropropene	BRL		µg/kg wet	1.0						
cis-1,3-Dichloropropene	BRL		µg/kg wet	1.0						
trans-1,3-Dichloropropene	BRL		µg/kg wet	1.0						
Ethylbenzene	BRL		µg/kg wet	1.0						
Hexachlorobutadiene	BRL		µg/kg wet	1.0						
2-Hexanone (MBK)	BRL		µg/kg wet	10.0						
Isopropylbenzene	BRL		µg/kg wet	1.0						
4-Isopropyltoluene	BRL		µg/kg wet	1.0						
Methyl tert-butyl ether	BRL		µg/kg wet	1.0						
4-Methyl-2-pentanone (MIBK)	BRL		µg/kg wet	10.0						
Methylene chloride	BRL		µg/kg wet	10.0						
Naphthalene	BRL		µg/kg wet	1.0						
n-Propylbenzene	BRL		µg/kg wet	1.0						
Styrene	BRL		µg/kg wet	1.0						
1,1,1,2-Tetrachloroethane	BRL		µg/kg wet	1.0						
1,1,2,2-Tetrachloroethane	BRL		µg/kg wet	1.0						
Tetrachloroethene	BRL		µg/kg wet	1.0						
Toluene	BRL		µg/kg wet	1.0						
1,2,3-Trichlorobenzene	BRL		µg/kg wet	1.0						
1,2,4-Trichlorobenzene	BRL		µg/kg wet	1.0						
1,3,5-Trichlorobenzene	BRL		µg/kg wet	1.0						
1,1,1-Trichloroethane	BRL		µg/kg wet	1.0						
1,1,2-Trichloroethane	BRL		µg/kg wet	1.0						
Trichloroethene	BRL		µg/kg wet	1.0						
Trichlorofluoromethane (Freon 11)	BRL		µg/kg wet	1.0						
1,2,3-Trichloropropane	BRL		µg/kg wet	1.0						
1,2,4-Trimethylbenzene	BRL		µg/kg wet	1.0						
1,3,5-Trimethylbenzene	BRL		µg/kg wet	1.0						
Vinyl chloride	BRL		µg/kg wet	1.0						
m,p-Xylene	BRL		µg/kg wet	2.0						
o-Xylene	BRL		µg/kg wet	1.0						
Tetrahydrofuran	BRL		µg/kg wet	10.0						
Ethyl ether	BRL		µg/kg wet	1.0						
Tert-amyl methyl ether	BRL		µg/kg wet	1.0						
Ethyl tert-butyl ether	BRL		µg/kg wet	1.0						
Di-isopropyl ether	BRL		µg/kg wet	1.0						
Tert-Butanol / butyl alcohol	BRL		µg/kg wet	10.0						
1,4-Dioxane	BRL		µg/kg wet	20.0						
trans-1,4-Dichloro-2-butene	BRL		µg/kg wet	5.0						
Ethanol	BRL		µg/kg wet	400						
Surrogate: 4-Bromofluorobenzene	*25.6*		µg/kg wet		*30.0*		*85*	*70-130*		
Surrogate: Toluene-d8	*29.3*		µg/kg wet		*30.0*		*98*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*33.3*		µg/kg wet		*30.0*		*111*	*70-130*		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010327 - SW846 5030 Soil (high level)										
Blank (9010327-BLK1)										
Prepared & Analyzed: 07-Jan-09										
Surrogate: Dibromofluoromethane	*32.9*		µg/kg wet		*30.0*		*110*	*70-130*		
LCS (9010327-BS1)										
Prepared & Analyzed: 07-Jan-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	26.4	QC1	µg/kg wet		20.0		132	70-130		
Acetone	19.6		µg/kg wet		20.0		98	7.9-168		
Acrylonitrile	20.0		µg/kg wet		20.0		100	70-130		
Benzene	21.4		µg/kg wet		20.0		107	70-130		
Bromobenzene	22.0		µg/kg wet		20.0		110	70-130		
Bromochloromethane	21.7		µg/kg wet		20.0		109	70-130		
Bromodichloromethane	20.3		µg/kg wet		20.0		102	70-130		
Bromoform	17.2		µg/kg wet		20.0		86	70-130		
Bromomethane	20.1		µg/kg wet		20.0		100	50-134		
2-Butanone (MEK)	19.3		µg/kg wet		20.0		96	44.6-130		
n-Butylbenzene	24.6		µg/kg wet		20.0		123	70-130		
sec-Butylbenzene	24.3		µg/kg wet		20.0		122	70-130		
tert-Butylbenzene	22.2		µg/kg wet		20.0		111	70-130		
Carbon disulfide	19.8		µg/kg wet		20.0		99	70-130		
Carbon tetrachloride	22.2		µg/kg wet		20.0		111	70-130		
Chlorobenzene	20.6		µg/kg wet		20.0		103	70-130		
Chloroethane	19.6		µg/kg wet		20.0		98	59.2-130		
Chloroform	23.1		µg/kg wet		20.0		116	70-130		
Chloromethane	18.7		µg/kg wet		20.0		93	70-130		
2-Chlorotoluene	24.4		µg/kg wet		20.0		122	70-130		
4-Chlorotoluene	23.9		µg/kg wet		20.0		120	70-130		
1,2-Dibromo-3-chloropropane	16.6		µg/kg wet		20.0		83	70-130		
Dibromochloromethane	17.7		µg/kg wet		20.0		88	63.8-130		
1,2-Dibromoethane (EDB)	21.4		µg/kg wet		20.0		107	70-130		
Dibromomethane	21.6		µg/kg wet		20.0		108	70-130		
1,2-Dichlorobenzene	22.5		µg/kg wet		20.0		113	70-130		
1,3-Dichlorobenzene	23.4		µg/kg wet		20.0		117	70-130		
1,4-Dichlorobenzene	20.6		µg/kg wet		20.0		103	70-130		
Dichlorodifluoromethane (Freon12)	17.2		µg/kg wet		20.0		86	41.8-130		
1,1-Dichloroethane	22.8		µg/kg wet		20.0		114	70-130		
1,2-Dichloroethane	21.6		µg/kg wet		20.0		108	70-130		
1,1-Dichloroethene	22.5		µg/kg wet		20.0		112	70-130		
cis-1,2-Dichloroethene	21.8		µg/kg wet		20.0		109	70-130		
trans-1,2-Dichloroethene	20.7		µg/kg wet		20.0		104	70-130		
1,2-Dichloropropane	21.8		µg/kg wet		20.0		109	70-130		
1,3-Dichloropropane	21.8		µg/kg wet		20.0		109	70-130		
2,2-Dichloropropane	19.5		µg/kg wet		20.0		97	70-130		
1,1-Dichloropropene	21.0		µg/kg wet		20.0		105	70-130		
cis-1,3-Dichloropropene	17.2		µg/kg wet		20.0		86	70-130		
trans-1,3-Dichloropropene	16.3		µg/kg wet		20.0		81	70-130		
Ethylbenzene	22.8		µg/kg wet		20.0		114	70-130		
Hexachlorobutadiene	20.1		µg/kg wet		20.0		100	68.3-130		
2-Hexanone (MBK)	15.2		µg/kg wet		20.0		76	70-130		
Isopropylbenzene	19.0		µg/kg wet		20.0		95	70-130		
4-Isopropyltoluene	24.3		µg/kg wet		20.0		122	70-130		
Methyl tert-butyl ether	19.8		µg/kg wet		20.0		99	70-130		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010327 - SW846 5030 Soil (high level)										
LCS (9010327-BS1)										
Prepared & Analyzed: 07-Jan-09										
4-Methyl-2-pentanone (MIBK)	16.7		µg/kg wet		20.0		84	53.1-132		
Methylene chloride	22.1		µg/kg wet		20.0		110	70-130		
Naphthalene	17.5		µg/kg wet		20.0		88	70-130		
n-Propylbenzene	22.8		µg/kg wet		20.0		114	70-130		
Styrene	20.8		µg/kg wet		20.0		104	70-130		
1,1,1,2-Tetrachloroethane	23.7		µg/kg wet		20.0		118	70-130		
1,1,2,2-Tetrachloroethane	22.0		µg/kg wet		20.0		110	70-130		
Tetrachloroethene	20.9		µg/kg wet		20.0		105	70-130		
Toluene	21.3		µg/kg wet		20.0		107	70-130		
1,2,3-Trichlorobenzene	23.4		µg/kg wet		20.0		117	70-130		
1,2,4-Trichlorobenzene	21.5		µg/kg wet		20.0		107	70-130		
1,3,5-Trichlorobenzene	20.4		µg/kg wet		20.0		102	70-130		
1,1,1-Trichloroethane	22.2		µg/kg wet		20.0		111	70-130		
1,1,2-Trichloroethane	22.4		µg/kg wet		20.0		112	70-130		
Trichloroethene	21.1		µg/kg wet		20.0		106	70-130		
Trichlorofluoromethane (Freon 11)	22.7		µg/kg wet		20.0		113	68.2-130		
1,2,3-Trichloropropane	23.2		µg/kg wet		20.0		116	70-130		
1,2,4-Trimethylbenzene	21.9		µg/kg wet		20.0		109	70-130		
1,3,5-Trimethylbenzene	21.5		µg/kg wet		20.0		107	70-130		
Vinyl chloride	29.3	QC1	µg/kg wet		20.0		147	70-130		
m,p-Xylene	48.1		µg/kg wet		40.0		120	70-130		
o-Xylene	24.2		µg/kg wet		20.0		121	70-130		
Tetrahydrofuran	19.3		µg/kg wet		20.0		96	70-130		
Ethyl ether	21.7		µg/kg wet		20.0		109	70-130		
Tert-amyl methyl ether	18.0		µg/kg wet		20.0		90	70-130		
Ethyl tert-butyl ether	20.1		µg/kg wet		20.0		100	70-130		
Di-isopropyl ether	20.9		µg/kg wet		20.0		105	70-130		
Tert-Butanol / butyl alcohol	175		µg/kg wet		200		88	70-130		
1,4-Dioxane	171		µg/kg wet		200		85	48.7-130		
trans-1,4-Dichloro-2-butene	19.9		µg/kg wet		20.0		99	70-130		
Ethanol	426		µg/kg wet		400		106	70-130		
Surrogate: 4-Bromofluorobenzene	*30.5*		µg/kg wet		*30.0*		*102*	*70-130*		
Surrogate: Toluene-d8	*30.5*		µg/kg wet		*30.0*		*102*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*31.3*		µg/kg wet		*30.0*		*104*	*70-130*		
Surrogate: Dibromofluoromethane	*31.2*		µg/kg wet		*30.0*		*104*	*70-130*		
LCS Dup (9010327-BSD1)										
Prepared & Analyzed: 07-Jan-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	23.8		µg/kg wet		20.0		119	70-130	10	25
Acetone	20.8		µg/kg wet		20.0		104	7.9-168	6	50
Acrylonitrile	22.0		µg/kg wet		20.0		110	70-130	10	25
Benzene	20.3		µg/kg wet		20.0		101	70-130	6	25
Bromobenzene	22.1		µg/kg wet		20.0		110	70-130	0.5	25
Bromochloromethane	21.6		µg/kg wet		20.0		108	70-130	0.7	25
Bromodichloromethane	19.6		µg/kg wet		20.0		98	70-130	4	25
Bromoform	18.3		µg/kg wet		20.0		91	70-130	6	25
Bromomethane	18.8		µg/kg wet		20.0		94	50-134	6	50
2-Butanone (MEK)	20.4		µg/kg wet		20.0		102	44.6-130	6	50
n-Butylbenzene	22.7		µg/kg wet		20.0		114	70-130	8	25
sec-Butylbenzene	23.3		µg/kg wet		20.0		116	70-130	5	25
tert-Butylbenzene	21.2		µg/kg wet		20.0		106	70-130	4	25

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010327 - SW846 5030 Soil (high level)										
LCS Dup (9010327-BSD1)										
Prepared & Analyzed: 07-Jan-09										
Carbon disulfide	18.0		µg/kg wet		20.0		90	70-130	10	25
Carbon tetrachloride	20.6		µg/kg wet		20.0		103	70-130	8	25
Chlorobenzene	20.0		µg/kg wet		20.0		100	70-130	3	25
Chloroethane	18.3		µg/kg wet		20.0		92	59.2-130	7	50
Chloroform	22.0		µg/kg wet		20.0		110	70-130	5	25
Chloromethane	17.6		µg/kg wet		20.0		88	70-130	6	25
2-Chlorotoluene	23.5		µg/kg wet		20.0		118	70-130	4	25
4-Chlorotoluene	23.4		µg/kg wet		20.0		117	70-130	2	25
1,2-Dibromo-3-chloropropane	18.2		µg/kg wet		20.0		91	70-130	9	25
Dibromochloromethane	18.0		µg/kg wet		20.0		90	63.8-130	2	50
1,2-Dibromoethane (EDB)	22.0		µg/kg wet		20.0		110	70-130	3	25
Dibromomethane	21.6		µg/kg wet		20.0		108	70-130	0.2	25
1,2-Dichlorobenzene	22.0		µg/kg wet		20.0		110	70-130	2	25
1,3-Dichlorobenzene	22.7		µg/kg wet		20.0		114	70-130	3	25
1,4-Dichlorobenzene	20.0		µg/kg wet		20.0		100	70-130	3	25
Dichlorodifluoromethane (Freon12)	15.2		µg/kg wet		20.0		76	41.8-130	12	50
1,1-Dichloroethane	21.1		µg/kg wet		20.0		106	70-130	7	25
1,2-Dichloroethane	21.4		µg/kg wet		20.0		107	70-130	0.7	25
1,1-Dichloroethene	20.5		µg/kg wet		20.0		102	70-130	9	25
cis-1,2-Dichloroethene	20.7		µg/kg wet		20.0		103	70-130	5	25
trans-1,2-Dichloroethene	19.8		µg/kg wet		20.0		99	70-130	5	25
1,2-Dichloropropane	21.3		µg/kg wet		20.0		107	70-130	2	25
1,3-Dichloropropane	22.4		µg/kg wet		20.0		112	70-130	2	25
2,2-Dichloropropane	18.2		µg/kg wet		20.0		91	70-130	7	25
1,1-Dichloropropene	19.8		µg/kg wet		20.0		99	70-130	5	25
cis-1,3-Dichloropropene	16.9		µg/kg wet		20.0		85	70-130	1	25
trans-1,3-Dichloropropene	16.9		µg/kg wet		20.0		84	70-130	4	25
Ethylbenzene	22.2		µg/kg wet		20.0		111	70-130	3	25
Hexachlorobutadiene	18.9		µg/kg wet		20.0		95	68.3-130	6	50
2-Hexanone (MBK)	16.6		µg/kg wet		20.0		83	70-130	9	25
Isopropylbenzene	18.4		µg/kg wet		20.0		92	70-130	3	25
4-Isopropyltoluene	22.8		µg/kg wet		20.0		114	70-130	6	25
Methyl tert-butyl ether	20.4		µg/kg wet		20.0		102	70-130	3	25
4-Methyl-2-pentanone (MIBK)	18.5		µg/kg wet		20.0		92	53.1-132	10	50
Methylene chloride	21.0		µg/kg wet		20.0		105	70-130	5	25
Naphthalene	19.0		µg/kg wet		20.0		95	70-130	8	25
n-Propylbenzene	21.9		µg/kg wet		20.0		110	70-130	4	25
Styrene	20.7		µg/kg wet		20.0		104	70-130	0.3	25
1,1,1,2-Tetrachloroethane	23.3		µg/kg wet		20.0		116	70-130	2	25
1,1,2,2-Tetrachloroethane	23.9		µg/kg wet		20.0		120	70-130	8	25
Tetrachloroethene	19.8		µg/kg wet		20.0		99	70-130	6	25
Toluene	20.3		µg/kg wet		20.0		101	70-130	5	25
1,2,3-Trichlorobenzene	23.5		µg/kg wet		20.0		118	70-130	0.4	25
1,2,4-Trichlorobenzene	21.2		µg/kg wet		20.0		106	70-130	1	25
1,3,5-Trichlorobenzene	19.3		µg/kg wet		20.0		97	70-130	5	25
1,1,1-Trichloroethane	20.8		µg/kg wet		20.0		104	70-130	6	25
1,1,2-Trichloroethane	22.8		µg/kg wet		20.0		114	70-130	2	25
Trichloroethene	19.9		µg/kg wet		20.0		100	70-130	6	25
Trichlorofluoromethane (Freon 11)	20.5		µg/kg wet		20.0		102	68.2-130	10	50

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010327 - SW846 5030 Soil (high level)										
LCS Dup (9010327-BSD1)										
Prepared & Analyzed: 07-Jan-09										
1,2,3-Trichloropropane	25.6		µg/kg wet		20.0		128	70-130	10	25
1,2,4-Trimethylbenzene	21.2		µg/kg wet		20.0		106	70-130	3	25
1,3,5-Trimethylbenzene	20.9		µg/kg wet		20.0		104	70-130	3	25
Vinyl chloride	21.9	QR5	µg/kg wet		20.0		110	70-130	29	25
m,p-Xylene	46.6		µg/kg wet		40.0		116	70-130	3	25
o-Xylene	23.5		µg/kg wet		20.0		118	70-130	3	25
Tetrahydrofuran	20.8		µg/kg wet		20.0		104	70-130	8	25
Ethyl ether	21.5		µg/kg wet		20.0		107	70-130	1	50
Tert-amyl methyl ether	19.1		µg/kg wet		20.0		96	70-130	6	25
Ethyl tert-butyl ether	20.0		µg/kg wet		20.0		100	70-130	0.5	25
Di-isopropyl ether	20.6		µg/kg wet		20.0		103	70-130	1	25
Tert-Butanol / butyl alcohol	203		µg/kg wet		200		101	70-130	15	25
1,4-Dioxane	194		µg/kg wet		200		97	48.7-130	13	25
trans-1,4-Dichloro-2-butene	21.5		µg/kg wet		20.0		108	70-130	8	25
Ethanol	456		µg/kg wet		400		114	70-130	7	30
Surrogate: 4-Bromofluorobenzene	*31.4*		µg/kg wet		*30.0*		*105*	*70-130*		
Surrogate: Toluene-d8	*30.3*		µg/kg wet		*30.0*		*101*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*31.8*		µg/kg wet		*30.0*		*106*	*70-130*		
Surrogate: Dibromofluoromethane	*31.2*		µg/kg wet		*30.0*		*104*	*70-130*		
Matrix Spike (9010327-MS1) **Source: SA89496-11**										
Prepared: 07-Jan-09 Analyzed: 08-Jan-09										
Benzene	20.0		µg/kg dry		20.0	BRL	100	70-130		
Chlorobenzene	20.3		µg/kg dry		20.0	BRL	101	70-130		
1,1-Dichloroethene	19.6		µg/kg dry		20.0	BRL	98	70-130		
Toluene	20.1		µg/kg dry		20.0	BRL	101	70-130		
Trichloroethene	20.4		µg/kg dry		20.0	BRL	102	70-130		
Surrogate: 4-Bromofluorobenzene	*31.7*		µg/kg dry		*30.0*		*106*	*70-130*		
Surrogate: Toluene-d8	*29.9*		µg/kg dry		*30.0*		*100*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*32.4*		µg/kg dry		*30.0*		*108*	*70-130*		
Surrogate: Dibromofluoromethane	*31.0*		µg/kg dry		*30.0*		*103*	*70-130*		
Matrix Spike Dup (9010327-MSD1) **Source: SA89496-11**										
Prepared: 07-Jan-09 Analyzed: 08-Jan-09										
Benzene	20.6		µg/kg dry		20.0	BRL	103	70-130	3	30
Chlorobenzene	20.9		µg/kg dry		20.0	BRL	104	70-130	3	30
1,1-Dichloroethene	20.5		µg/kg dry		20.0	BRL	102	70-130	4	30
Toluene	21.0		µg/kg dry		20.0	BRL	105	70-130	4	30
Trichloroethene	20.8		µg/kg dry		20.0	BRL	104	70-130	2	30
Surrogate: 4-Bromofluorobenzene	*32.1*		µg/kg dry		*30.0*		*107*	*70-130*		
Surrogate: Toluene-d8	*30.2*		µg/kg dry		*30.0*		*101*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*31.5*		µg/kg dry		*30.0*		*105*	*70-130*		
Surrogate: Dibromofluoromethane	*31.1*		µg/kg dry		*30.0*		*104*	*70-130*		
Batch 9010382 - SW846 5035A Soil (low level)										
Blank (9010382-BLK1)										
Prepared & Analyzed: 08-Jan-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg wet	5.0						
Acetone	BRL		µg/kg wet	50.0						
Acrylonitrile	BRL		µg/kg wet	5.0						
Benzene	BRL		µg/kg wet	5.0						
Bromobenzene	BRL		µg/kg wet	5.0						
Bromochloromethane	BRL		µg/kg wet	5.0						

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010382 - SW846 5035A Soil (low level)										
Blank (9010382-BLK1)										
Prepared & Analyzed: 08-Jan-09										
Bromodichloromethane	BRL		µg/kg wet	5.0						
Bromoform	BRL		µg/kg wet	5.0						
Bromomethane	BRL		µg/kg wet	10.0						
2-Butanone (MEK)	BRL		µg/kg wet	50.0						
n-Butylbenzene	BRL		µg/kg wet	5.0						
sec-Butylbenzene	BRL		µg/kg wet	5.0						
tert-Butylbenzene	BRL		µg/kg wet	5.0						
Carbon disulfide	BRL		µg/kg wet	25.0						
Carbon tetrachloride	BRL		µg/kg wet	5.0						
Chlorobenzene	BRL		µg/kg wet	5.0						
Chloroethane	BRL		µg/kg wet	10.0						
Chloroform	BRL		µg/kg wet	5.0						
Chloromethane	BRL		µg/kg wet	10.0						
2-Chlorotoluene	BRL		µg/kg wet	5.0						
4-Chlorotoluene	BRL		µg/kg wet	5.0						
1,2-Dibromo-3-chloropropane	BRL		µg/kg wet	10.0						
Dibromochloromethane	BRL		µg/kg wet	5.0						
1,2-Dibromoethane (EDB)	BRL		µg/kg wet	5.0						
Dibromomethane	BRL		µg/kg wet	5.0						
1,2-Dichlorobenzene	BRL		µg/kg wet	5.0						
1,3-Dichlorobenzene	BRL		µg/kg wet	5.0						
1,4-Dichlorobenzene	BRL		µg/kg wet	5.0						
Dichlorodifluoromethane (Freon12)	BRL		µg/kg wet	10.0						
1,1-Dichloroethane	BRL		µg/kg wet	5.0						
1,2-Dichloroethane	BRL		µg/kg wet	5.0						
1,1-Dichloroethene	BRL		µg/kg wet	5.0						
cis-1,2-Dichloroethene	BRL		µg/kg wet	5.0						
trans-1,2-Dichloroethene	BRL		µg/kg wet	5.0						
1,2-Dichloropropane	BRL		µg/kg wet	5.0						
1,3-Dichloropropane	BRL		µg/kg wet	5.0						
2,2-Dichloropropane	BRL		µg/kg wet	5.0						
1,1-Dichloropropene	BRL		µg/kg wet	5.0						
cis-1,3-Dichloropropene	BRL		µg/kg wet	5.0						
trans-1,3-Dichloropropene	BRL		µg/kg wet	5.0						
Ethylbenzene	BRL		µg/kg wet	5.0						
Hexachlorobutadiene	BRL		µg/kg wet	5.0						
2-Hexanone (MBK)	BRL		µg/kg wet	50.0						
Isopropylbenzene	BRL		µg/kg wet	5.0						
4-Isopropyltoluene	BRL		µg/kg wet	5.0						
Methyl tert-butyl ether	BRL		µg/kg wet	5.0						
4-Methyl-2-pentanone (MIBK)	BRL		µg/kg wet	50.0						
Methylene chloride	BRL		µg/kg wet	50.0						
Naphthalene	BRL		µg/kg wet	5.0						
n-Propylbenzene	BRL		µg/kg wet	5.0						
Styrene	BRL		µg/kg wet	5.0						
1,1,1,2-Tetrachloroethane	BRL		µg/kg wet	5.0						
1,1,2,2-Tetrachloroethane	BRL		µg/kg wet	5.0						
Tetrachloroethene	BRL		µg/kg wet	5.0						
Toluene	BRL		µg/kg wet	5.0						

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010382 - SW846 5035A Soil (low level)										
Blank (9010382-BLK1)										
Prepared & Analyzed: 08-Jan-09										
1,2,3-Trichlorobenzene	BRL		µg/kg wet	5.0						
1,2,4-Trichlorobenzene	BRL		µg/kg wet	5.0						
1,3,5-Trichlorobenzene	BRL		µg/kg wet	5.0						
1,1,1-Trichloroethane	BRL		µg/kg wet	5.0						
1,1,2-Trichloroethane	BRL		µg/kg wet	5.0						
Trichloroethene	BRL		µg/kg wet	5.0						
Trichlorofluoromethane (Freon 11)	BRL		µg/kg wet	5.0						
1,2,3-Trichloropropane	BRL		µg/kg wet	5.0						
1,2,4-Trimethylbenzene	BRL		µg/kg wet	5.0						
1,3,5-Trimethylbenzene	BRL		µg/kg wet	5.0						
Vinyl chloride	BRL		µg/kg wet	5.0						
m,p-Xylene	BRL		µg/kg wet	10.0						
o-Xylene	BRL		µg/kg wet	5.0						
Tetrahydrofuran	BRL		µg/kg wet	50.0						
Ethyl ether	BRL		µg/kg wet	5.0						
Tert-amyl methyl ether	BRL		µg/kg wet	5.0						
Ethyl tert-butyl ether	BRL		µg/kg wet	5.0						
Di-isopropyl ether	BRL		µg/kg wet	5.0						
Tert-Butanol / butyl alcohol	BRL		µg/kg wet	50.0						
1,4-Dioxane	BRL		µg/kg wet	100						
trans-1,4-Dichloro-2-butene	BRL		µg/kg wet	25.0						
Ethanol	BRL		µg/kg wet	2000						
Surrogate: 4-Bromofluorobenzene	*43.3*		µg/kg wet		*50.0*		*87*	*70-130*		
Surrogate: Toluene-d8	*45.2*		µg/kg wet		*50.0*		*90*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*59.0*		µg/kg wet		*50.0*		*118*	*70-130*		
Surrogate: Dibromofluoromethane	*52.5*		µg/kg wet		*50.0*		*105*	*70-130*		
LCS (9010382-BS1)										
Prepared & Analyzed: 08-Jan-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	21.2		µg/kg wet		20.0		106	70-130		
Acetone	12.1		µg/kg wet		20.0		60	7.9-168		
Acrylonitrile	19.3		µg/kg wet		20.0		96	70-130		
Benzene	20.4		µg/kg wet		20.0		102	70-130		
Bromobenzene	18.1		µg/kg wet		20.0		90	70-130		
Bromochloromethane	16.6		µg/kg wet		20.0		83	70-130		
Bromodichloromethane	19.7		µg/kg wet		20.0		99	70-130		
Bromoform	20.4		µg/kg wet		20.0		102	70-130		
Bromomethane	14.8		µg/kg wet		20.0		74	50-134		
2-Butanone (MEK)	16.4		µg/kg wet		20.0		82	44.6-130		
n-Butylbenzene	22.3		µg/kg wet		20.0		111	70-130		
sec-Butylbenzene	19.0		µg/kg wet		20.0		95	70-130		
tert-Butylbenzene	18.4		µg/kg wet		20.0		92	70-130		
Carbon disulfide	20.1		µg/kg wet		20.0		101	70-130		
Carbon tetrachloride	20.6		µg/kg wet		20.0		103	70-130		
Chlorobenzene	19.7		µg/kg wet		20.0		98	70-130		
Chloroethane	15.8		µg/kg wet		20.0		79	59.2-130		
Chloroform	18.3		µg/kg wet		20.0		92	70-130		
Chloromethane	14.2		µg/kg wet		20.0		71	70-130		
2-Chlorotoluene	19.0		µg/kg wet		20.0		95	70-130		
4-Chlorotoluene	19.3		µg/kg wet		20.0		96	70-130		
1,2-Dibromo-3-chloropropane	19.6		µg/kg wet		20.0		98	70-130		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010382 - SW846 5035A Soil (low level)										
LCS (9010382-BS1)										
Prepared & Analyzed: 08-Jan-09										
Dibromochloromethane	18.4		µg/kg wet		20.0		92	63.8-130		
1,2-Dibromoethane (EDB)	17.6		µg/kg wet		20.0		88	70-130		
Dibromomethane	18.7		µg/kg wet		20.0		93	70-130		
1,2-Dichlorobenzene	20.5		µg/kg wet		20.0		102	70-130		
1,3-Dichlorobenzene	18.0		µg/kg wet		20.0		90	70-130		
1,4-Dichlorobenzene	20.8		µg/kg wet		20.0		104	70-130		
Dichlorodifluoromethane (Freon12)	13.4		µg/kg wet		20.0		67	41.8-130		
1,1-Dichloroethane	19.9		µg/kg wet		20.0		100	70-130		
1,2-Dichloroethane	19.0		µg/kg wet		20.0		95	70-130		
1,1-Dichloroethene	21.0		µg/kg wet		20.0		105	70-130		
cis-1,2-Dichloroethene	19.2		µg/kg wet		20.0		96	70-130		
trans-1,2-Dichloroethene	19.8		µg/kg wet		20.0		99	70-130		
1,2-Dichloropropane	20.7		µg/kg wet		20.0		103	70-130		
1,3-Dichloropropane	17.9		µg/kg wet		20.0		89	70-130		
2,2-Dichloropropane	19.8		µg/kg wet		20.0		99	70-130		
1,1-Dichloropropene	20.1		µg/kg wet		20.0		101	70-130		
cis-1,3-Dichloropropene	19.1		µg/kg wet		20.0		96	70-130		
trans-1,3-Dichloropropene	20.4		µg/kg wet		20.0		102	70-130		
Ethylbenzene	20.0		µg/kg wet		20.0		100	70-130		
Hexachlorobutadiene	19.1		µg/kg wet		20.0		96	68.3-130		
2-Hexanone (MBK)	17.3		µg/kg wet		20.0		87	70-130		
Isopropylbenzene	19.1		µg/kg wet		20.0		96	70-130		
4-Isopropyltoluene	21.3		µg/kg wet		20.0		107	70-130		
Methyl tert-butyl ether	20.1		µg/kg wet		20.0		100	70-130		
4-Methyl-2-pentanone (MIBK)	17.7		µg/kg wet		20.0		88	53.1-132		
Methylene chloride	18.0		µg/kg wet		20.0		90	70-130		
Naphthalene	18.2		µg/kg wet		20.0		91	70-130		
n-Propylbenzene	19.4		µg/kg wet		20.0		97	70-130		
Styrene	19.6		µg/kg wet		20.0		98	70-130		
1,1,1,2-Tetrachloroethane	19.5		µg/kg wet		20.0		98	70-130		
1,1,2,2-Tetrachloroethane	19.6		µg/kg wet		20.0		98	70-130		
Tetrachloroethene	18.9		µg/kg wet		20.0		95	70-130		
Toluene	16.6		µg/kg wet		20.0		83	70-130		
1,2,3-Trichlorobenzene	19.4		µg/kg wet		20.0		97	70-130		
1,2,4-Trichlorobenzene	18.8		µg/kg wet		20.0		94	70-130		
1,3,5-Trichlorobenzene	19.7		µg/kg wet		20.0		99	70-130		
1,1,1-Trichloroethane	20.1		µg/kg wet		20.0		100	70-130		
1,1,2-Trichloroethane	18.4		µg/kg wet		20.0		92	70-130		
Trichloroethene	19.5		µg/kg wet		20.0		98	70-130		
Trichlorofluoromethane (Freon 11)	18.9		µg/kg wet		20.0		94	68.2-130		
1,2,3-Trichloropropane	18.8		µg/kg wet		20.0		94	70-130		
1,2,4-Trimethylbenzene	19.0		µg/kg wet		20.0		95	70-130		
1,3,5-Trimethylbenzene	19.0		µg/kg wet		20.0		95	70-130		
Vinyl chloride	17.2		µg/kg wet		20.0		86	70-130		
m,p-Xylene	40.2		µg/kg wet		40.0		100	70-130		
o-Xylene	19.7		µg/kg wet		20.0		99	70-130		
Tetrahydrofuran	15.7		µg/kg wet		20.0		79	70-130		
Ethyl ether	20.9		µg/kg wet		20.0		104	70-130		
Tert-amyl methyl ether	19.1		µg/kg wet		20.0		95	70-130		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010382 - SW846 5035A Soil (low level)										
LCS (9010382-BS1)										
Prepared & Analyzed: 08-Jan-09										
Ethyl tert-butyl ether	20.6		µg/kg wet		20.0		103	70-130		
Di-isopropyl ether	20.3		µg/kg wet		20.0		101	70-130		
Tert-Butanol / butyl alcohol	175		µg/kg wet		200		87	70-130		
1,4-Dioxane	170		µg/kg wet		200		85	48.7-130		
trans-1,4-Dichloro-2-butene	19.5		µg/kg wet		20.0		97	70-130		
Ethanol	322		µg/kg wet		400		81	70-130		
Surrogate: 4-Bromofluorobenzene	*47.6*		µg/kg wet		*50.0*		*95*	*70-130*		
Surrogate: Toluene-d8	*46.0*		µg/kg wet		*50.0*		*92*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*47.4*		µg/kg wet		*50.0*		*95*	*70-130*		
Surrogate: Dibromofluoromethane	*47.1*		µg/kg wet		*50.0*		*94*	*70-130*		
LCS Dup (9010382-BSD1)										
Prepared & Analyzed: 08-Jan-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	21.1		µg/kg wet		20.0		105	70-130	0.8	25
Acetone	9.0		µg/kg wet		20.0		45	7.9-168	29	50
Acrylonitrile	16.5		µg/kg wet		20.0		83	70-130	16	25
Benzene	20.2		µg/kg wet		20.0		101	70-130	0.7	25
Bromobenzene	17.8		µg/kg wet		20.0		89	70-130	2	25
Bromochloromethane	16.5		µg/kg wet		20.0		83	70-130	0.7	25
Bromodichloromethane	19.2		µg/kg wet		20.0		96	70-130	3	25
Bromoform	18.2		µg/kg wet		20.0		91	70-130	11	25
Bromomethane	14.2		µg/kg wet		20.0		71	50-134	4	50
2-Butanone (MEK)	14.6		µg/kg wet		20.0		73	44.6-130	11	50
n-Butylbenzene	22.3		µg/kg wet		20.0		111	70-130	0.04	25
sec-Butylbenzene	18.5		µg/kg wet		20.0		92	70-130	3	25
tert-Butylbenzene	17.8		µg/kg wet		20.0		89	70-130	3	25
Carbon disulfide	20.6		µg/kg wet		20.0		103	70-130	3	25
Carbon tetrachloride	20.6		µg/kg wet		20.0		103	70-130	0	25
Chlorobenzene	19.5		µg/kg wet		20.0		98	70-130	0.7	25
Chloroethane	15.5		µg/kg wet		20.0		78	59.2-130	2	50
Chloroform	18.2		µg/kg wet		20.0		91	70-130	0.5	25
Chloromethane	13.2	QC1	µg/kg wet		20.0		66	70-130	7	25
2-Chlorotoluene	18.9		µg/kg wet		20.0		95	70-130	0.5	25
4-Chlorotoluene	18.2		µg/kg wet		20.0		91	70-130	6	25
1,2-Dibromo-3-chloropropane	22.3		µg/kg wet		20.0		111	70-130	13	25
Dibromochloromethane	17.3		µg/kg wet		20.0		86	63.8-130	6	50
1,2-Dibromoethane (EDB)	16.2		µg/kg wet		20.0		81	70-130	8	25
Dibromomethane	17.6		µg/kg wet		20.0		88	70-130	6	25
1,2-Dichlorobenzene	20.2		µg/kg wet		20.0		101	70-130	1	25
1,3-Dichlorobenzene	17.4		µg/kg wet		20.0		87	70-130	4	25
1,4-Dichlorobenzene	20.3		µg/kg wet		20.0		102	70-130	2	25
Dichlorodifluoromethane (Freon12)	12.7		µg/kg wet		20.0		63	41.8-130	6	50
1,1-Dichloroethane	19.7		µg/kg wet		20.0		98	70-130	1	25
1,2-Dichloroethane	18.0		µg/kg wet		20.0		90	70-130	5	25
1,1-Dichloroethene	20.8		µg/kg wet		20.0		104	70-130	1	25
cis-1,2-Dichloroethene	19.9		µg/kg wet		20.0		99	70-130	3	25
trans-1,2-Dichloroethene	20.4		µg/kg wet		20.0		102	70-130	3	25
1,2-Dichloropropane	20.0		µg/kg wet		20.0		100	70-130	3	25
1,3-Dichloropropane	16.8		µg/kg wet		20.0		84	70-130	6	25
2,2-Dichloropropane	20.1		µg/kg wet		20.0		100	70-130	2	25
1,1-Dichloropropene	20.3		µg/kg wet		20.0		101	70-130	0.6	25

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010382 - SW846 5035A Soil (low level)										
LCS Dup (9010382-BSD1)										
Prepared & Analyzed: 08-Jan-09										
cis-1,3-Dichloropropene	18.6		µg/kg wet		20.0		93	70-130	3	25
trans-1,3-Dichloropropene	18.8		µg/kg wet		20.0		94	70-130	8	25
Ethylbenzene	19.9		µg/kg wet		20.0		99	70-130	0.5	25
Hexachlorobutadiene	18.3		µg/kg wet		20.0		92	68.3-130	4	50
2-Hexanone (MBK)	15.4		µg/kg wet		20.0		77	70-130	12	25
Isopropylbenzene	18.6		µg/kg wet		20.0		93	70-130	3	25
4-Isopropyltoluene	21.2		µg/kg wet		20.0		106	70-130	0.6	25
Methyl tert-butyl ether	19.8		µg/kg wet		20.0		99	70-130	2	25
4-Methyl-2-pentanone (MIBK)	14.9		µg/kg wet		20.0		74	53.1-132	17	50
Methylene chloride	17.1		µg/kg wet		20.0		85	70-130	5	25
Naphthalene	16.1		µg/kg wet		20.0		81	70-130	12	25
n-Propylbenzene	18.6		µg/kg wet		20.0		93	70-130	4	25
Styrene	18.6		µg/kg wet		20.0		93	70-130	5	25
1,1,1,2-Tetrachloroethane	19.4		µg/kg wet		20.0		97	70-130	0.6	25
1,1,2,2-Tetrachloroethane	18.2		µg/kg wet		20.0		91	70-130	7	25
Tetrachloroethene	17.8		µg/kg wet		20.0		89	70-130	6	25
Toluene	16.6		µg/kg wet		20.0		83	70-130	0.06	25
1,2,3-Trichlorobenzene	17.3		µg/kg wet		20.0		87	70-130	11	25
1,2,4-Trichlorobenzene	17.2		µg/kg wet		20.0		86	70-130	8	25
1,3,5-Trichlorobenzene	19.2		µg/kg wet		20.0		96	70-130	3	25
1,1,1-Trichloroethane	19.8		µg/kg wet		20.0		99	70-130	2	25
1,1,2-Trichloroethane	18.4		µg/kg wet		20.0		92	70-130	0.1	25
Trichloroethene	19.0		µg/kg wet		20.0		95	70-130	2	25
Trichlorofluoromethane (Freon 11)	19.4		µg/kg wet		20.0		97	68.2-130	2	50
1,2,3-Trichloropropane	17.9		µg/kg wet		20.0		90	70-130	5	25
1,2,4-Trimethylbenzene	18.4		µg/kg wet		20.0		92	70-130	4	25
1,3,5-Trimethylbenzene	18.7		µg/kg wet		20.0		94	70-130	2	25
Vinyl chloride	16.3		µg/kg wet		20.0		82	70-130	5	25
m,p-Xylene	39.7		µg/kg wet		40.0		99	70-130	1	25
o-Xylene	19.6		µg/kg wet		20.0		98	70-130	0.7	25
Tetrahydrofuran	15.8		µg/kg wet		20.0		79	70-130	0.3	25
Ethyl ether	19.8		µg/kg wet		20.0		99	70-130	5	50
Tert-amyl methyl ether	16.8		µg/kg wet		20.0		84	70-130	13	25
Ethyl tert-butyl ether	20.0		µg/kg wet		20.0		100	70-130	3	25
Di-isopropyl ether	20.3		µg/kg wet		20.0		102	70-130	0.2	25
Tert-Butanol / butyl alcohol	155		µg/kg wet		200		77	70-130	12	25
1,4-Dioxane	148		µg/kg wet		200		74	48.7-130	14	25
trans-1,4-Dichloro-2-butene	17.3		µg/kg wet		20.0		86	70-130	12	25
Ethanol	349		µg/kg wet		400		87	70-130	8	30
Surrogate: 4-Bromofluorobenzene	*46.1*		µg/kg wet		*50.0*		*92*	*70-130*		
Surrogate: Toluene-d8	*46.1*		µg/kg wet		*50.0*		*92*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*46.5*		µg/kg wet		*50.0*		*93*	*70-130*		
Surrogate: Dibromofluoromethane	*47.9*		µg/kg wet		*50.0*		*96*	*70-130*		

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010117 - SW846 3510C										
Blank (9010117-BLK1)										
Prepared: 05-Jan-09 Analyzed: 06-Jan-09										
Acenaphthene	BRL		µg/l	5.00						
Acenaphthene	BRL		µg/l	0.050						
Acenaphthylene	BRL		µg/l	0.050						
Acenaphthylene	BRL		µg/l	5.00						
Aniline	BRL		µg/l	5.00						
1-Methylnaphthalene	BRL		µg/l	0.050						
Anthracene	BRL		µg/l	0.050						
Anthracene	BRL		µg/l	5.00						
Atrazine	BRL		µg/l	5.00						
Azobenzene/Diphenyldiazine	BRL		µg/l	5.00						
Benzidine	BRL		µg/l	5.00						
Benzo (a) anthracene	BRL		µg/l	0.050						
Benzo (a) anthracene	BRL		µg/l	5.00						
Benzo (a) pyrene	BRL		µg/l	5.00						
Benzo (a) pyrene	BRL		µg/l	0.050						
Benzo (b) fluoranthene	BRL		µg/l	0.050						
Benzo (b) fluoranthene	BRL		µg/l	5.00						
Benzo (g,h,i) perylene	BRL		µg/l	0.050						
Benzo (g,h,i) perylene	BRL		µg/l	5.00						
Benzo (k) fluoranthene	BRL		µg/l	5.00						
Benzo (k) fluoranthene	BRL		µg/l	0.050						
Benzoic acid	BRL		µg/l	5.00						
Benzyl alcohol	BRL		µg/l	5.00						
Bis(2-chloroethoxy)methane	BRL		µg/l	5.00						
Bis(2-chloroethyl)ether	BRL		µg/l	5.00						
Bis(2-chloroisopropyl)ether	BRL		µg/l	5.00						
Bis(2-ethylhexyl)phthalate	BRL		µg/l	5.00						
4-Bromophenyl phenyl ether	BRL		µg/l	5.00						
Butyl benzyl phthalate	BRL		µg/l	5.00						
Carbazole	BRL		µg/l	5.00						
4-Chloro-3-methylphenol	BRL		µg/l	5.00						
4-Chloroaniline	BRL		µg/l	5.00						
2-Chloronaphthalene	BRL		µg/l	5.00						
2-Chlorophenol	BRL		µg/l	5.00						
4-Chlorophenyl phenyl ether	BRL		µg/l	5.00						
Chrysene	BRL		µg/l	0.050						
Chrysene	BRL		µg/l	5.00						
Dibenzo (a,h) anthracene	BRL		µg/l	0.050						
Dibenzo (a,h) anthracene	BRL		µg/l	5.00						
Dibenzofuran	BRL		µg/l	5.00						
1,2-Dichlorobenzene	BRL		µg/l	5.00						
1,3-Dichlorobenzene	BRL		µg/l	5.00						
1,4-Dichlorobenzene	BRL		µg/l	5.00						
3,3'-Dichlorobenzidine	BRL		µg/l	5.00						
2,4-Dichlorophenol	BRL		µg/l	5.00						
Diethyl phthalate	BRL		µg/l	5.00						
Dimethyl phthalate	BRL		µg/l	5.00						
2,4-Dimethylphenol	BRL		µg/l	5.00						
Di-n-butyl phthalate	BRL		µg/l	5.00						

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010117 - SW846 3510C										
LCS (9010117-BS1)										
Prepared: 05-Jan-09 Analyzed: 06-Jan-09										
1,3-Dichlorobenzene	25.7		µg/l	5.00	50.0		51	40-130		
1,4-Dichlorobenzene	34.7		µg/l	5.00	50.0		69	40-130		
3,3'-Dichlorobenzidine	29.2		µg/l	5.00	50.0		58	40-130		
2,4-Dichlorophenol	35.0		µg/l	5.00	50.0		70	40-130		
Diethyl phthalate	42.4		µg/l	5.00	50.0		85	40-130		
Dimethyl phthalate	42.8		µg/l	5.00	50.0		86	40-130		
2,4-Dimethylphenol	33.4		µg/l	5.00	50.0		67	40-130		
Di-n-butyl phthalate	41.0		µg/l	5.00	50.0		82	40-130		
4,6-Dinitro-2-methylphenol	40.5		µg/l	5.00	50.0		81	40-130		
2,4-Dinitrophenol	41.6		µg/l	5.00	50.0		83	40-130		
2,4-Dinitrotoluene	39.3		µg/l	5.00	50.0		79	40-130		
2,6-Dinitrotoluene	37.6		µg/l	5.00	50.0		75	40-130		
Di-n-octyl phthalate	46.6		µg/l	5.00	50.0		93	40-130		
Fluoranthene	35.5		µg/l	0.050	50.0		71	40-140		
Fluoranthene	35.5		µg/l	5.00	50.0		71	40-130		
Fluorene	35.8		µg/l	0.050	50.0		72	40-140		
Fluorene	35.8		µg/l	5.00	50.0		72	40-130		
Hexachlorobenzene	32.1		µg/l	5.00	50.0		64	40-130		
Hexachlorobutadiene	30.9		µg/l	5.00	50.0		62	40-130		
Hexachlorocyclopentadiene	30.4		µg/l	5.00	50.0		61	40-130		
Hexachloroethane	31.9		µg/l	5.00	50.0		64	40-130		
Indeno (1,2,3-cd) pyrene	35.2		µg/l	5.00	50.0		70	40-130		
Indeno (1,2,3-cd) pyrene	35.2		µg/l	0.050	50.0		70	40-140		
Isophorone	33.2		µg/l	5.00	50.0		66	40-130		
2-Methylnaphthalene	34.4		µg/l	0.050	50.0		69	40-140		
2-Methylnaphthalene	34.4		µg/l	5.00	50.0		69	40-130		
2-Methylphenol	31.6		µg/l	5.00	50.0		63	40-130		
3 & 4-Methylphenol	32.5		µg/l	10.0	50.0		65	40-130		
Naphthalene	34.2		µg/l	0.050	50.0		68	40-140		
Naphthalene	34.2		µg/l	5.00	50.0		68	40-130		
2-Nitroaniline	38.8		µg/l	5.00	50.0		78	40-130		
3-Nitroaniline	31.6		µg/l	5.00	50.0		63	40-130		
4-Nitroaniline	37.2		µg/l	20.0	50.0		74	40-130		
Nitrobenzene	32.6		µg/l	5.00	50.0		65	40-130		
2-Nitrophenol	35.4		µg/l	5.00	50.0		71	40-130		
4-Nitrophenol	25.2		µg/l	20.0	50.0		50	40-130		
N-Nitrosodimethylamine	33.2		µg/l	5.00	50.0		66	40-130		
N-Nitrosodi-n-propylamine	39.8		µg/l	5.00	50.0		80	40-130		
N-Nitrosodiphenylamine	40.0		µg/l	5.00	50.0		80	40-130		
Pentachlorophenol	37.3		µg/l	20.0	50.0		75	40-130		
Phenanthrene	34.7		µg/l	5.00	50.0		69	40-130		
Phenanthrene	34.7		µg/l	0.050	50.0		69	40-140		
Phenol	19.9		µg/l	5.00	50.0		40	40-130		
Pyrene	45.4		µg/l	0.050	50.0		91	40-140		
Pyrene	45.4		µg/l	5.00	50.0		91	40-130		
Pyridine	21.9		µg/l	5.00	50.0		44	0-130		
Hexachlorobenzene	32.1		µg/l	1.00	50.0		64	40-140		
1-Methylnaphthalene	37.5		µg/l	5.00	50.0		75	40-140		
Hexachloroethane	31.9		µg/l	1.00	50.0		64	40-140		

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010117 - SW846 3510C										
LCS (9010117-BS1)										
Prepared: 05-Jan-09 Analyzed: 06-Jan-09										
1,2,4-Trichlorobenzene	32.0		µg/l	5.00	50.0		64	40-130		
Pentachlorophenol	37.3		µg/l	1.00	50.0		75	30-130		
2,4,5-Trichlorophenol	37.8		µg/l	5.00	50.0		76	40-130		
2,4,6-Trichlorophenol	36.5		µg/l	5.00	50.0		73	40-130		
Hexachlorobutadiene	30.9		µg/l	0.500	50.0		62	40-140		
Pentachloronitrobenzene	34.2		µg/l	5.00	50.0		68	40-140		
1,2,4,5-Tetrachlorobenzene	31.8		µg/l	5.00	50.0		64	40-140		
Surrogate: 2-Fluorobiphenyl	*35.2*		µg/l		*50.0*		*70*	*30-130*		
Surrogate: Terphenyl-dl4	*41.4*		µg/l		*50.0*		*83*	*30-130*		
Surrogate: 2-Fluorobiphenyl	*35.2*		µg/l		*50.0*		*70*	*30-130*		
Surrogate: 2-Fluorophenol	*23.3*		µg/l		*50.0*		*47*	*15-110*		
Surrogate: Nitrobenzene-d5	*35.2*		µg/l		*50.0*		*70*	*30-130*		
Surrogate: Phenol-d5	*14.7*		µg/l		*50.0*		*29*	*15-110*		
Surrogate: Terphenyl-dl4	*41.4*		µg/l		*50.0*		*83*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*36.6*		µg/l		*50.0*		*73*	*15-110*		
Batch 9010185 - SW846 3550B										
Blank (9010185-BLK1)										
Prepared: 06-Jan-09 Analyzed: 10-Jan-09										
Acenaphthene	BRL		µg/kg wet	330						
Acenaphthylene	BRL		µg/kg wet	330						
Aniline	BRL		µg/kg wet	330						
Anthracene	BRL		µg/kg wet	330						
Atrazine	BRL		µg/kg wet	330						
Azobenzene/Diphenyldiazine	BRL		µg/kg wet	330						
Benzidine	BRL		µg/kg wet	330						
Benzo (a) anthracene	BRL		µg/kg wet	330						
Benzo (a) pyrene	BRL		µg/kg wet	330						
Benzo (b) fluoranthene	BRL		µg/kg wet	330						
Benzo (g,h,i) perylene	BRL		µg/kg wet	330						
Benzo (k) fluoranthene	BRL		µg/kg wet	330						
Benzoic acid	BRL		µg/kg wet	330						
Benzyl alcohol	BRL		µg/kg wet	330						
Bis(2-chloroethoxy)methane	BRL		µg/kg wet	330						
Bis(2-chloroethyl)ether	BRL		µg/kg wet	330						
Bis(2-chloroisopropyl)ether	BRL		µg/kg wet	330						
Bis(2-ethylhexyl)phthalate	BRL		µg/kg wet	330						
4-Bromophenyl phenyl ether	BRL		µg/kg wet	330						
Butyl benzyl phthalate	BRL		µg/kg wet	330						
Carbazole	BRL		µg/kg wet	330						
4-Chloro-3-methylphenol	BRL		µg/kg wet	330						
4-Chloroaniline	BRL		µg/kg wet	330						
2-Chloronaphthalene	BRL		µg/kg wet	330						
2-Chlorophenol	BRL		µg/kg wet	330						
4-Chlorophenyl phenyl ether	BRL		µg/kg wet	330						
Chrysene	BRL		µg/kg wet	330						
Dibenzo (a,h) anthracene	BRL		µg/kg wet	330						
Dibenzofuran	BRL		µg/kg wet	330						
1,2-Dichlorobenzene	BRL		µg/kg wet	330						
1,3-Dichlorobenzene	BRL		µg/kg wet	330						
1,4-Dichlorobenzene	BRL		µg/kg wet	330						

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010185 - SW846 3550B										
Blank (9010185-BLK1)										
Prepared: 06-Jan-09 Analyzed: 10-Jan-09										
3,3'-Dichlorobenzidine	BRL		µg/kg wet	330						
2,4-Dichlorophenol	BRL		µg/kg wet	330						
Diethyl phthalate	BRL		µg/kg wet	330						
Dimethyl phthalate	BRL		µg/kg wet	330						
2,4-Dimethylphenol	BRL		µg/kg wet	330						
Di-n-butyl phthalate	BRL		µg/kg wet	330						
4,6-Dinitro-2-methylphenol	BRL		µg/kg wet	330						
2,4-Dinitrophenol	BRL		µg/kg wet	330						
2,4-Dinitrotoluene	BRL		µg/kg wet	330						
2,6-Dinitrotoluene	BRL		µg/kg wet	330						
Di-n-octyl phthalate	BRL		µg/kg wet	330						
Fluoranthene	BRL		µg/kg wet	330						
Fluorene	BRL		µg/kg wet	330						
Hexachlorobenzene	BRL		µg/kg wet	330						
Hexachlorobutadiene	BRL		µg/kg wet	330						
Hexachlorocyclopentadiene	BRL		µg/kg wet	330						
Hexachloroethane	BRL		µg/kg wet	330						
Indeno (1,2,3-cd) pyrene	BRL		µg/kg wet	330						
1-Methylnaphthalene	BRL		µg/kg wet	330						
Isophorone	BRL		µg/kg wet	330						
2-Methylnaphthalene	BRL		µg/kg wet	330						
2-Methylphenol	BRL		µg/kg wet	330						
3 & 4-Methylphenol	BRL		µg/kg wet	330						
Naphthalene	BRL		µg/kg wet	330						
2-Nitroaniline	BRL		µg/kg wet	330						
3-Nitroaniline	BRL		µg/kg wet	330						
4-Nitroaniline	BRL		µg/kg wet	1320						
Nitrobenzene	BRL		µg/kg wet	330						
2-Nitrophenol	BRL		µg/kg wet	330						
4-Nitrophenol	BRL		µg/kg wet	1320						
N-Nitrosodimethylamine	BRL		µg/kg wet	330						
N-Nitrosodi-n-propylamine	BRL		µg/kg wet	330						
N-Nitrosodiphenylamine	BRL		µg/kg wet	330						
Pentachlorophenol	BRL		µg/kg wet	330						
Phenanthrene	BRL		µg/kg wet	330						
Phenol	BRL		µg/kg wet	330						
Pyrene	BRL		µg/kg wet	330						
Pyridine	BRL		µg/kg wet	330						
1,2,4-Trichlorobenzene	BRL		µg/kg wet	330						
2,4,5-Trichlorophenol	BRL		µg/kg wet	330						
2,4,6-Trichlorophenol	BRL		µg/kg wet	330						
Pentachloronitrobenzene	BRL		µg/kg wet	330						
1,2,4,5-Tetrachlorobenzene	BRL		µg/kg wet	330						
Surrogate: 2-Fluorobiphenyl	*2340*		µg/kg wet		*3330*		*70*	*30-130*		
Surrogate: 2-Fluorophenol	*2390*		µg/kg wet		*3330*		*72*	*15-110*		
Surrogate: Nitrobenzene-d5	*2260*		µg/kg wet		*3330*		*68*	*30-130*		
Surrogate: Phenol-d5	*2200*		µg/kg wet		*3330*		*66*	*15-110*		
Surrogate: Terphenyl-dl4	*2740*		µg/kg wet		*3330*		*82*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*2460*		µg/kg wet		*3330*		*74*	*15-110*		

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010185 - SW846 3550B										
LCS (9010185-BS1)										
Prepared: 06-Jan-09 Analyzed: 10-Jan-09										
Acenaphthene	2750		µg/kg wet	330	3330		82	40-130		
Acenaphthylene	2670		µg/kg wet	330	3330		80	40-130		
Aniline	387	QC2	µg/kg wet	330	3330		12	40-130		
Anthracene	2500		µg/kg wet	330	3330		75	40-130		
Atrazine	1830		µg/kg wet	330	3330		55	40-130		
Azobenzene/Diphenyldiazine	2670		µg/kg wet	330	3330		80	40-130		
Benzidine	BRL		µg/kg wet	330	3330			0-130		
Benzo (a) anthracene	3180		µg/kg wet	330	3330		95	40-130		
Benzo (a) pyrene	2800		µg/kg wet	330	3330		84	40-130		
Benzo (b) fluoranthene	2830		µg/kg wet	330	3330		85	40-130		
Benzo (g,h,i) perylene	2860		µg/kg wet	330	3330		86	40-130		
Benzo (k) fluoranthene	2870		µg/kg wet	330	3330		86	40-130		
Benzoic acid	2200		µg/kg wet	330	3330		66	19.5-130		
Benzyl alcohol	2470		µg/kg wet	330	3330		74	40-130		
Bis(2-chloroethoxy)methane	2890		µg/kg wet	330	3330		87	40-130		
Bis(2-chloroethyl)ether	3310		µg/kg wet	330	3330		99	40-130		
Bis(2-chloroisopropyl)ether	2950		µg/kg wet	330	3330		88	40-130		
Bis(2-ethylhexyl)phthalate	3740		µg/kg wet	330	3330		112	40-130		
4-Bromophenyl phenyl ether	2820		µg/kg wet	330	3330		85	40-130		
Butyl benzyl phthalate	3700		µg/kg wet	330	3330		111	40-130		
Carbazole	2510		µg/kg wet	330	3330		75	40-130		
4-Chloro-3-methylphenol	2690		µg/kg wet	330	3330		81	40-130		
4-Chloroaniline	1260	QC2	µg/kg wet	330	3330		38	40-130		
2-Chloronaphthalene	2540		µg/kg wet	330	3330		76	40-130		
2-Chlorophenol	2600		µg/kg wet	330	3330		78	40-130		
4-Chlorophenyl phenyl ether	3160		µg/kg wet	330	3330		95	40-130		
Chrysene	3280		µg/kg wet	330	3330		98	40-130		
Dibenzo (a,h) anthracene	2910		µg/kg wet	330	3330		87	40-130		
Dibenzofuran	2630		µg/kg wet	330	3330		79	40-130		
1,2-Dichlorobenzene	2330		µg/kg wet	330	3330		70	40-130		
1,3-Dichlorobenzene	2240		µg/kg wet	330	3330		67	40-130		
1,4-Dichlorobenzene	2610		µg/kg wet	330	3330		78	40-130		
3,3'-Dichlorobenzidine	2080		µg/kg wet	330	3330		62	40-130		
2,4-Dichlorophenol	2580		µg/kg wet	330	3330		77	40-130		
Diethyl phthalate	3170		µg/kg wet	330	3330		95	40-130		
Dimethyl phthalate	3180		µg/kg wet	330	3330		95	40-130		
2,4-Dimethylphenol	2420		µg/kg wet	330	3330		73	40-130		
Di-n-butyl phthalate	3050		µg/kg wet	330	3330		91	40-130		
4,6-Dinitro-2-methylphenol	1770		µg/kg wet	330	3330		53	40-130		
2,4-Dinitrophenol	1620		µg/kg wet	330	3330		49	40-130		
2,4-Dinitrotoluene	2860		µg/kg wet	330	3330		86	40-130		
2,6-Dinitrotoluene	2640		µg/kg wet	330	3330		79	40-130		
Di-n-octyl phthalate	3220		µg/kg wet	330	3330		97	40-130		
Fluoranthene	2620		µg/kg wet	330	3330		79	40-130		
Fluorene	2630		µg/kg wet	330	3330		79	40-130		
Hexachlorobenzene	2390		µg/kg wet	330	3330		72	40-130		
Hexachlorobutadiene	2400		µg/kg wet	330	3330		72	40-130		
Hexachlorocyclopentadiene	1050	QC2	µg/kg wet	330	3330		31	40-130		
Hexachloroethane	2390		µg/kg wet	330	3330		72	40-130		

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010185 - SW846 3550B										
LCS (9010185-BS1)										
Prepared: 06-Jan-09 Analyzed: 10-Jan-09										
Indeno (1,2,3-cd) pyrene	2960		µg/kg wet	330	3330		89	40-130		
Isophorone	2490		µg/kg wet	330	3330		75	40-130		
1-Methylnaphthalene	2770		µg/kg wet	330	3330		83	40-140		
2-Methylnaphthalene	2850		µg/kg wet	330	3330		86	40-130		
2-Methylphenol	2470		µg/kg wet	330	3330		74	40-130		
3 & 4-Methylphenol	2790		µg/kg wet	330	3330		84	40-130		
Naphthalene	2550		µg/kg wet	330	3330		77	40-130		
2-Nitroaniline	2770		µg/kg wet	330	3330		83	40-130		
3-Nitroaniline	1620		µg/kg wet	330	3330		49	40-130		
4-Nitroaniline	2450		µg/kg wet	1320	3330		73	40-130		
Nitrobenzene	2420		µg/kg wet	330	3330		73	40-130		
2-Nitrophenol	2580		µg/kg wet	330	3330		77	40-130		
4-Nitrophenol	2930		µg/kg wet	1320	3330		88	40-130		
N-Nitrosodimethylamine	2950		µg/kg wet	330	3330		88	40-130		
N-Nitrosodi-n-propylamine	2970		µg/kg wet	330	3330		89	40-130		
N-Nitrosodiphenylamine	2880		µg/kg wet	330	3330		86	40-130		
Pentachlorophenol	2640		µg/kg wet	330	3330		79	40-130		
Phenanthrene	2600		µg/kg wet	330	3330		78	40-130		
Phenol	2510		µg/kg wet	330	3330		75	40-130		
Pyrene	3240		µg/kg wet	330	3330		97	40-130		
Pyridine	375		µg/kg wet	330	3330		11	0-130		
1,2,4-Trichlorobenzene	2420		µg/kg wet	330	3330		73	40-130		
2,4,5-Trichlorophenol	2750		µg/kg wet	330	3330		82	40-130		
2,4,6-Trichlorophenol	2660		µg/kg wet	330	3330		80	40-130		
Pentachloronitrobenzene	2460		µg/kg wet	330	3330		74	40-140		
1,2,4,5-Tetrachlorobenzene	2430		µg/kg wet	330	3330		73	40-140		
Surrogate: 2-Fluorobiphenyl	*2600*		µg/kg wet		*3330*		*78*	*30-130*		
Surrogate: 2-Fluorophenol	*2330*		µg/kg wet		*3330*		*70*	*15-110*		
Surrogate: Nitrobenzene-d5	*2550*		µg/kg wet		*3330*		*76*	*30-130*		
Surrogate: Phenol-d5	*2500*		µg/kg wet		*3330*		*75*	*15-110*		
Surrogate: Terphenyl-dl4	*2820*		µg/kg wet		*3330*		*85*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*2590*		µg/kg wet		*3330*		*78*	*15-110*		
Duplicate (9010185-DUP1) **Source: SA89355-05**										
Prepared: 06-Jan-09 Analyzed: 10-Jan-09										
Acenaphthene	BRL		µg/kg dry	212		BRL				50
Acenaphthylene	BRL		µg/kg dry	212		BRL				50
Aniline	BRL		µg/kg dry	212		BRL				50
Anthracene	BRL		µg/kg dry	212		BRL				50
Atrazine	BRL		µg/kg dry	212		BRL				50
Azobenzene/Diphenyldiazine	BRL		µg/kg dry	212		BRL				50
Benzidine	BRL		µg/kg dry	212		BRL				50
Benzo (a) anthracene	BRL		µg/kg dry	212		BRL				50
Benzo (a) pyrene	BRL		µg/kg dry	212		BRL				50
Benzo (b) fluoranthene	BRL		µg/kg dry	212		BRL				50
Benzo (g,h,i) perylene	BRL		µg/kg dry	212		BRL				50
Benzo (k) fluoranthene	BRL		µg/kg dry	212		BRL				50
Benzoic acid	BRL		µg/kg dry	212		BRL				50
Benzyl alcohol	BRL		µg/kg dry	212		BRL				50
Bis(2-chloroethoxy)methane	BRL		µg/kg dry	212		BRL				50
Bis(2-chloroethyl)ether	BRL		µg/kg dry	212		BRL				50

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010185 - SW846 3550B										
Duplicate (9010185-DUP1) **Source: SA89355-05**										
Prepared: 06-Jan-09 Analyzed: 10-Jan-09										
Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	212		BRL				50
Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	212		BRL				50
4-Bromophenyl phenyl ether	BRL		µg/kg dry	212		BRL				50
Butyl benzyl phthalate	BRL		µg/kg dry	212		BRL				50
Carbazole	BRL		µg/kg dry	212		BRL				50
4-Chloro-3-methylphenol	BRL		µg/kg dry	212		BRL				50
4-Chloroaniline	BRL		µg/kg dry	212		BRL				50
2-Chloronaphthalene	BRL		µg/kg dry	212		BRL				50
2-Chlorophenol	BRL		µg/kg dry	212		BRL				50
4-Chlorophenyl phenyl ether	BRL		µg/kg dry	212		BRL				50
Chrysene	BRL		µg/kg dry	212		BRL				50
Dibenzo (a,h) anthracene	BRL		µg/kg dry	212		BRL				50
Dibenzofuran	BRL		µg/kg dry	212		BRL				50
1,2-Dichlorobenzene	BRL		µg/kg dry	212		BRL				50
1,3-Dichlorobenzene	BRL		µg/kg dry	212		BRL				50
1,4-Dichlorobenzene	BRL		µg/kg dry	212		BRL				50
3,3'-Dichlorobenzidine	BRL		µg/kg dry	212		BRL				50
2,4-Dichlorophenol	BRL		µg/kg dry	212		BRL				50
Diethyl phthalate	BRL		µg/kg dry	212		BRL				50
Dimethyl phthalate	BRL		µg/kg dry	212		BRL				50
2,4-Dimethylphenol	BRL		µg/kg dry	212		BRL				50
Di-n-butyl phthalate	BRL		µg/kg dry	212		BRL				50
4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	212		BRL				50
2,4-Dinitrophenol	BRL		µg/kg dry	212		BRL				50
2,4-Dinitrotoluene	BRL		µg/kg dry	212		BRL				50
2,6-Dinitrotoluene	BRL		µg/kg dry	212		BRL				50
Di-n-octyl phthalate	BRL		µg/kg dry	212		BRL				50
Fluoranthene	BRL		µg/kg dry	212		BRL				50
Fluorene	BRL		µg/kg dry	212		BRL				50
Hexachlorobenzene	BRL		µg/kg dry	212		BRL				50
Hexachlorobutadiene	BRL		µg/kg dry	212		BRL				50
Hexachlorocyclopentadiene	BRL		µg/kg dry	212		BRL				50
Hexachloroethane	BRL		µg/kg dry	212		BRL				50
Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	212		BRL				50
1-Methylnaphthalene	BRL		µg/kg dry	212		BRL				50
Isophorone	BRL		µg/kg dry	212		BRL				50
2-Methylnaphthalene	BRL		µg/kg dry	212		BRL				50
2-Methylphenol	BRL		µg/kg dry	212		BRL				50
3 & 4-Methylphenol	BRL		µg/kg dry	212		BRL				50
Naphthalene	BRL		µg/kg dry	212		BRL				50
2-Nitroaniline	BRL		µg/kg dry	212		BRL				50
3-Nitroaniline	BRL		µg/kg dry	212		BRL				50
4-Nitroaniline	BRL		µg/kg dry	847		BRL				50
Nitrobenzene	BRL		µg/kg dry	212		BRL				50
2-Nitrophenol	BRL		µg/kg dry	212		BRL				50
4-Nitrophenol	BRL		µg/kg dry	847		BRL				50
N-Nitrosodimethylamine	BRL		µg/kg dry	212		BRL				50
N-Nitrosodi-n-propylamine	BRL		µg/kg dry	212		BRL				50
N-Nitrosodiphenylamine	BRL		µg/kg dry	212		BRL				50

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010185 - SW846 3550B										
Duplicate (9010185-DUP1) **Source: SA89355-05**										
Prepared: 06-Jan-09 Analyzed: 10-Jan-09										
Pentachlorophenol	BRL		µg/kg dry	212		BRL				50
Phenanthrene	BRL		µg/kg dry	212		BRL				50
Phenol	BRL		µg/kg dry	212		BRL				50
Pyrene	BRL		µg/kg dry	212		BRL				50
Pyridine	BRL		µg/kg dry	212		BRL				50
1,2,4-Trichlorobenzene	BRL		µg/kg dry	212		BRL				50
2,4,5-Trichlorophenol	BRL		µg/kg dry	212		BRL				50
2,4,6-Trichlorophenol	BRL		µg/kg dry	212		BRL				50
Pentachloronitrobenzene	BRL		µg/kg dry	212		BRL				50
1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	212		BRL				50
Surrogate: 2-Fluorobiphenyl	*846*		µg/kg dry		*2140*		*40*	*30-130*		
Surrogate: 2-Fluorophenol	*929*		µg/kg dry		*2140*		*43*	*15-110*		
Surrogate: Nitrobenzene-d5	*841*		µg/kg dry		*2140*		*39*	*30-130*		
Surrogate: Phenol-d5	*812*		µg/kg dry		*2140*		*38*	*15-110*		
Surrogate: Terphenyl-dl4	*980*		µg/kg dry		*2140*		*46*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*861*		µg/kg dry		*2140*		*40*	*15-110*		
Matrix Spike (9010185-MS1) **Source: SA89355-05**										
Prepared: 06-Jan-09 Analyzed: 10-Jan-09										
Acenaphthene	1780		µg/kg dry	215	2170	BRL	82	40-140		
Benzo (b) fluoranthene	1980		µg/kg dry	215	2170	BRL	91	40-140		
Benzo (k) fluoranthene	1680		µg/kg dry	215	2170	BRL	78	40-140		
4-Chloro-3-methylphenol	1760		µg/kg dry	215	2170	BRL	81	30-130		
2-Chlorophenol	1710		µg/kg dry	215	2170	BRL	79	30-130		
Chrysene	2170		µg/kg dry	215	2170	BRL	100	40-140		
1,4-Dichlorobenzene	1870		µg/kg dry	215	2170	BRL	86	40-140		
Indeno (1,2,3-cd) pyrene	1740		µg/kg dry	215	2170	BRL	80	40-140		
Naphthalene	1700		µg/kg dry	215	2170	BRL	78	40-140		
4-Nitrophenol	1890		µg/kg dry	858	2170	BRL	87	30-130		
N-Nitrosodi-n-propylamine	1890		µg/kg dry	215	2170	BRL	87	40-140		
Pentachlorophenol	1620		µg/kg dry	215	2170	BRL	75	30-130		
Phenol	1610		µg/kg dry	215	2170	BRL	74	30-130		
Pyrene	2130		µg/kg dry	215	2170	BRL	98	40-140		
1,2,4-Trichlorobenzene	1610		µg/kg dry	215	2170	BRL	74	40-140		
Surrogate: 2-Fluorobiphenyl	*1630*		µg/kg dry		*2170*		*75*	*30-130*		
Surrogate: 2-Fluorophenol	*1480*		µg/kg dry		*2170*		*68*	*15-110*		
Surrogate: Nitrobenzene-d5	*1590*		µg/kg dry		*2170*		*73*	*30-130*		
Surrogate: Phenol-d5	*1540*		µg/kg dry		*2170*		*71*	*15-110*		
Surrogate: Terphenyl-dl4	*1790*		µg/kg dry		*2170*		*82*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*1590*		µg/kg dry		*2170*		*73*	*15-110*		
Matrix Spike Dup (9010185-MSD1) **Source: SA89355-05**										
Prepared: 06-Jan-09 Analyzed: 10-Jan-09										
Acenaphthene	1790		µg/kg dry	215	2170	BRL	82	40-140	0.00002	30
Benzo (b) fluoranthene	2070		µg/kg dry	215	2170	BRL	96	40-140	4	30
Benzo (k) fluoranthene	1600		µg/kg dry	215	2170	BRL	74	40-140	5	30
4-Chloro-3-methylphenol	1740		µg/kg dry	215	2170	BRL	80	30-130	1	30
2-Chlorophenol	1600		µg/kg dry	215	2170	BRL	74	30-130	7	30
Chrysene	2170		µg/kg dry	215	2170	BRL	100	40-140	0.08	30
1,4-Dichlorobenzene	1660		µg/kg dry	215	2170	BRL	77	40-140	12	30
Indeno (1,2,3-cd) pyrene	1930		µg/kg dry	215	2170	BRL	89	40-140	10	30
Naphthalene	1630		µg/kg dry	215	2170	BRL	75	40-140	4	30
4-Nitrophenol	1960		µg/kg dry	860	2170	BRL	90	30-130	4	30

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010185 - SW846 3550B										
Matrix Spike Dup (9010185-MSD1) **Source: SA89355-05**										
Prepared: 06-Jan-09 Analyzed: 10-Jan-09										
N-Nitrosodi-n-propylamine	1870		µg/kg dry	215	2170	BRL	86	40-140	0.8	30
Pentachlorophenol	1700		µg/kg dry	215	2170	BRL	78	30-130	4	30
Phenol	1640		µg/kg dry	215	2170	BRL	75	30-130	2	30
Pyrene	2100		µg/kg dry	215	2170	BRL	97	40-140	2	30
1,2,4-Trichlorobenzene	1550		µg/kg dry	215	2170	BRL	71	40-140	4	30
Surrogate: 2-Fluorobiphenyl	*1210*		µg/kg dry		*2170*		*56*	*30-130*		
Surrogate: 2-Fluorophenol	*1060*		µg/kg dry		*2170*		*49*	*15-110*		
Surrogate: Nitrobenzene-d5	*1160*		µg/kg dry		*2170*		*53*	*30-130*		
Surrogate: Phenol-d5	*1230*		µg/kg dry		*2170*		*57*	*15-110*		
Surrogate: Terphenyl-dl4	*1310*		µg/kg dry		*2170*		*61*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*1230*		µg/kg dry		*2170*		*56*	*15-110*		

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010001 - SW846 3550B										
Blank (9010001-BLK1)										
Prepared & Analyzed: 02-Jan-09										
PCB 1016	BRL		µg/kg wet	20.0						
PCB 1221	BRL		µg/kg wet	20.0						
PCB 1232	BRL		µg/kg wet	20.0						
PCB 1242	BRL		µg/kg wet	20.0						
PCB 1248	BRL		µg/kg wet	20.0						
PCB 1254	BRL		µg/kg wet	20.0						
PCB 1260	BRL		µg/kg wet	20.0						
PCB 1262	BRL		µg/kg wet	20.0						
PCB 1268	BRL		µg/kg wet	20.0						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*18.6*		µg/kg wet		*20.0*		*93*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*19.2*		µg/kg wet		*20.0*		*96*	*30-150*		
LCS (9010001-BS1)										
Prepared & Analyzed: 02-Jan-09										
PCB 1016	286		µg/kg wet	20.0	250		114	40-140		
PCB 1260	284		µg/kg wet	20.0	250		114	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*18.5*		µg/kg wet		*20.0*		*92*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*19.7*		µg/kg wet		*20.0*		*98*	*30-150*		
LCS Dup (9010001-BSD1)										
Prepared & Analyzed: 02-Jan-09										
PCB 1016	276		µg/kg wet	20.0	250		110	40-140	4	30
PCB 1260	304		µg/kg wet	20.0	250		122	40-140	7	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*18.5*		µg/kg wet		*20.0*		*92*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*18.9*		µg/kg wet		*20.0*		*94*	*30-150*		
Duplicate (9010001-DUP1) **Source: SA89355-02**										
Prepared: 02-Jan-09 Analyzed: 03-Jan-09										
PCB 1016	BRL		µg/kg dry	24.8		BRL				40
PCB 1221	BRL		µg/kg dry	24.8		BRL				40
PCB 1232	BRL		µg/kg dry	24.8		BRL				40
PCB 1242	BRL		µg/kg dry	24.8		BRL				40
PCB 1248	BRL		µg/kg dry	24.8		BRL				40
PCB 1254	BRL		µg/kg dry	24.8		BRL				40
PCB 1260	BRL		µg/kg dry	24.8		BRL				40
PCB 1262	BRL		µg/kg dry	24.8		BRL				40
PCB 1268	BRL		µg/kg dry	24.8		BRL				40
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*18.0*		µg/kg dry		*24.8*		*72*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*22.4*		µg/kg dry		*24.8*		*90*	*30-150*		
Matrix Spike (9010001-MS1) **Source: SA89355-02**										
Prepared: 02-Jan-09 Analyzed: 03-Jan-09										
PCB 1016	268		µg/kg dry	23.4	292	BRL	92	40-140		
PCB 1260	281		µg/kg dry	23.4	292	BRL	96	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*16.9*		µg/kg dry		*23.4*		*72*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*20.7*		µg/kg dry		*23.4*		*88*	*30-150*		
Matrix Spike Dup (9010001-MSD1) **Source: SA89355-02**										
Prepared: 02-Jan-09 Analyzed: 03-Jan-09										
PCB 1016	287		µg/kg dry	24.0	299	BRL	96	40-140	4	50
PCB 1260	291		µg/kg dry	24.0	299	BRL	97	40-140	1	50
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*17.0*		µg/kg dry		*23.9*		*71*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*20.7*		µg/kg dry		*23.9*		*87*	*30-150*		
Batch 9010007 - SW846 3510C										

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010007 - SW846 3510C										
Blank (9010007-BLK1)										
Prepared & Analyzed: 02-Jan-09										
PCB 1016	BRL		µg/l	0.0200						
PCB 1221	BRL		µg/l	0.0200						
PCB 1232	BRL		µg/l	0.0200						
PCB 1242	BRL		µg/l	0.0200						
PCB 1248	BRL		µg/l	0.0200						
PCB 1254	BRL		µg/l	0.0200						
PCB 1260	BRL		µg/l	0.0200						
PCB 1262	BRL		µg/l	0.0200						
PCB 1268	BRL		µg/l	0.0200						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.0853*		µg/l		*0.200*		*43*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.0914*		µg/l		*0.200*		*46*	*30-150*		
LCS (9010007-BS1)										
Prepared & Analyzed: 02-Jan-09										
PCB 1016	1.32		µg/l	0.0200	2.50		53	40-140		
PCB 1260	1.55		µg/l	0.0200	2.50		62	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.0922*		µg/l		*0.200*		*46*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.109*		µg/l		*0.200*		*55*	*30-150*		
LCS Dup (9010007-BSD1)										
Prepared & Analyzed: 02-Jan-09										
PCB 1016	1.34		µg/l	0.0200	2.50		54	40-140	1	20
PCB 1260	1.54		µg/l	0.0200	2.50		62	40-140	0.7	20
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.0927*		µg/l		*0.200*		*46*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.107*		µg/l		*0.200*		*53*	*30-150*		
Batch 9010122 - SW846 3510C										
Blank (9010122-BLK1)										
Prepared: 05-Jan-09 Analyzed: 08-Jan-09										
2,4,5-T	BRL		µg/l	0.100						
2,4,5-T [2C]	BRL		µg/l	0.100						
2,4,5-TP (Silvex)	BRL		µg/l	0.100						
2,4,5-TP (Silvex) [2C]	BRL		µg/l	0.100						
2,4-D	BRL		µg/l	0.100						
2,4-D [2C]	BRL		µg/l	0.100						
2,4-DB	BRL		µg/l	0.100						
2,4-DB [2C]	BRL		µg/l	0.100						
Dalapon	BRL		µg/l	0.100						
Dalapon [2C]	BRL		µg/l	0.100						
Dicamba	BRL		µg/l	0.100						
Dicamba [2C]	BRL		µg/l	0.100						
Dichlorprop	BRL		µg/l	0.100						
Dichlorprop [2C]	BRL		µg/l	0.100						
Dinoseb	BRL		µg/l	0.100						
Dinoseb [2C]	BRL		µg/l	0.100						
MCPA	BRL		µg/l	1.50						
MCPA [2C]	BRL		µg/l	1.50						
MCPB	BRL		µg/l	1.50						
MCPB [2C]	BRL		µg/l	1.50						
MCPP	BRL		µg/l	1.50						
MCPP [2C]	BRL		µg/l	1.50						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.361*		µg/l		*0.400*		*90*	*30-150*		

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010122 - SW846 3510C										
Blank (9010122-BLK1)										
Prepared: 05-Jan-09 Analyzed: 08-Jan-09										
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [:	*0.247*		µg/l		*0.400*		*62*	*30-150*		
LCS (9010122-BS1)										
Prepared: 05-Jan-09 Analyzed: 08-Jan-09										
2,4,5-T	0.322		µg/l	0.100	0.500		64	40-140		
2,4,5-T [2C]	0.352		µg/l	0.100	0.500		70	40-140		
2,4,5-TP (Silvex)	0.411		µg/l	0.100	0.500		82	40-140		
2,4,5-TP (Silvex) [2C]	0.304		µg/l	0.100	0.500		61	40-140		
2,4-D	0.351		µg/l	0.100	0.500		70	40-140		
2,4-D [2C]	0.338		µg/l	0.100	0.500		68	40-140		
2,4-DB	0.442		µg/l	0.100	0.500		88	40-140		
2,4-DB [2C]	0.448		µg/l	0.100	0.500		90	40-140		
Dalapon	0.371		µg/l	0.100	0.500		74	40-140		
Dalapon [2C]	0.424		µg/l	0.100	0.500		85	40-140		
Dicamba	0.414		µg/l	0.100	0.500		83	40-140		
Dicamba [2C]	0.331		µg/l	0.100	0.500		66	40-140		
Dichlorprop	0.406		µg/l	0.100	0.500		81	40-140		
Dichlorprop [2C]	0.438		µg/l	0.100	0.500		88	40-140		
Dinoseb	0.413		µg/l	0.100	0.500		83	40-140		
Dinoseb [2C]	0.404		µg/l	0.100	0.500		81	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.301*		µg/l		*0.400*		*75*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [:	*0.241*		µg/l		*0.400*		*60*	*30-150*		
LCS (9010122-BS2)										
Prepared: 05-Jan-09 Analyzed: 08-Jan-09										
MCPA	142		µg/l	1.50	150		95	40-140		
MCPA [2C]	106		µg/l	1.50	150		71	40-140		
MCPB	153		µg/l	1.50	150		102	40-140		
MCPB [2C]	154		µg/l	1.50	150		103	40-140		
MCPP	129		µg/l	1.50	150		86	40-140		
MCPP [2C]	149		µg/l	1.50	150		99	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.291*		µg/l		*0.400*		*73*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [:	*0.248*		µg/l		*0.400*		*62*	*30-150*		
LCS Dup (9010122-BSD1)										
Prepared: 05-Jan-09 Analyzed: 08-Jan-09										
2,4,5-T	0.297		µg/l	0.100	0.500		59	40-140	8	25
2,4,5-T [2C]	0.329		µg/l	0.100	0.500		66	40-140	7	25
2,4,5-TP (Silvex)	0.351		µg/l	0.100	0.500		70	40-140	16	25
2,4,5-TP (Silvex) [2C]	0.285		µg/l	0.100	0.500		57	40-140	6	25
2,4-D	0.341		µg/l	0.100	0.500		68	40-140	3	25
2,4-D [2C]	0.324		µg/l	0.100	0.500		65	40-140	4	25
2,4-DB	0.365		µg/l	0.100	0.500		73	40-140	19	25
2,4-DB [2C]	0.432		µg/l	0.100	0.500		86	40-140	4	25
Dalapon	0.353		µg/l	0.100	0.500		71	40-140	5	25
Dalapon [2C]	0.433		µg/l	0.100	0.500		87	40-140	2	25
Dicamba	0.386		µg/l	0.100	0.500		77	40-140	7	25
Dicamba [2C]	0.322		µg/l	0.100	0.500		64	40-140	3	25
Dichlorprop	0.348		µg/l	0.100	0.500		70	40-140	15	25
Dichlorprop [2C]	0.394		µg/l	0.100	0.500		79	40-140	11	25
Dinoseb	0.389		µg/l	0.100	0.500		78	40-140	6	25
Dinoseb [2C]	0.381		µg/l	0.100	0.500		76	40-140	6	25

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010122 - SW846 3510C										
LCS Dup (9010122-BSD1)										
Prepared: 05-Jan-09 Analyzed: 08-Jan-09										
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.288*		µg/l		*0.400*		*72*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [:	*0.239*		µg/l		*0.400*		*60*	*30-150*		
LCS Dup (9010122-BSD2)										
Prepared: 05-Jan-09 Analyzed: 08-Jan-09										
MCPA	104	QR2	µg/l	1.50	150		69	40-140	31	25
MCPA [2C]	98.0		µg/l	1.50	150		65	40-140	8	25
MCPB	126		µg/l	1.50	150		84	40-140	19	25
MCPB [2C]	130		µg/l	1.50	150		87	40-140	17	25
MCPP	120		µg/l	1.50	150		80	40-140	7	25
MCPP [2C]	146		µg/l	1.50	150		97	40-140	2	25
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.269*		µg/l		*0.400*		*67*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [:	*0.220*		µg/l		*0.400*		*55*	*30-150*		
Batch 9010153 - SW846 3550B										
Blank (9010153-BLK1)										
Prepared: 05-Jan-09 Analyzed: 08-Jan-09										
2,4,5-T	BRL		µg/kg wet	6.70						
2,4,5-T [2C]	BRL		µg/kg wet	6.70						
2,4,5-TP (Silvex)	BRL		µg/kg wet	6.70						
2,4,5-TP (Silvex) [2C]	BRL		µg/kg wet	6.70						
2,4-D	BRL		µg/kg wet	6.70						
2,4-D [2C]	BRL		µg/kg wet	6.70						
2,4-DB	BRL		µg/kg wet	6.70						
2,4-DB [2C]	BRL		µg/kg wet	6.70						
Dalapon	BRL		µg/kg wet	6.70						
Dalapon [2C]	BRL		µg/kg wet	6.70						
Dicamba	BRL		µg/kg wet	6.70						
Dicamba [2C]	BRL		µg/kg wet	6.70						
Dichlorprop	BRL		µg/kg wet	6.70						
Dichlorprop [2C]	BRL		µg/kg wet	6.70						
Dinoseb	BRL		µg/kg wet	6.70						
Dinoseb [2C]	BRL		µg/kg wet	6.70						
MCPA	BRL		µg/kg wet	670						
MCPA [2C]	BRL		µg/kg wet	670						
MCPB	BRL		µg/kg wet	670						
MCPB [2C]	BRL		µg/kg wet	670						
MCPP	BRL		µg/kg wet	670						
MCPP [2C]	BRL		µg/kg wet	670						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*33.5*		µg/kg wet		*26.7*		*126*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [:	*32.9*		µg/kg wet		*26.7*		*123*	*30-150*		
LCS (9010153-BS1)										
Prepared: 05-Jan-09 Analyzed: 08-Jan-09										
2,4,5-T	21.3		µg/kg wet	6.70	33.3		64	40-140		
2,4,5-T [2C]	21.5		µg/kg wet	6.70	33.3		65	40-140		
2,4,5-TP (Silvex)	24.0		µg/kg wet	6.70	33.3		72	40-140		
2,4,5-TP (Silvex) [2C]	26.6		µg/kg wet	6.70	33.3		80	40-140		
2,4-D	20.9		µg/kg wet	6.70	33.3		63	40-140		
2,4-D [2C]	20.5		µg/kg wet	6.70	33.3		61	40-140		
2,4-DB	21.0		µg/kg wet	6.70	33.3		63	40-140		
2,4-DB [2C]	17.4		µg/kg wet	6.70	33.3		52	40-140		

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010153 - SW846 3550B										
LCS (9010153-BS1)										
Prepared: 05-Jan-09 Analyzed: 08-Jan-09										
Dalapon	24.1		µg/kg wet	6.70	33.3		72	40-140		
Dalapon [2C]	21.7		µg/kg wet	6.70	33.3		65	40-140		
Dicamba	25.0		µg/kg wet	6.70	33.3		75	40-140		
Dicamba [2C]	22.7		µg/kg wet	6.70	33.3		68	40-140		
Dichlorprop	23.1		µg/kg wet	6.70	33.3		69	40-140		
Dichlorprop [2C]	26.2		µg/kg wet	6.70	33.3		79	40-140		
Dinoseb	26.9		µg/kg wet	6.70	33.3		81	40-140		
Dinoseb [2C]	29.9		µg/kg wet	6.70	33.3		90	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*32.4*		µg/kg wet		*26.7*		*122*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [	*31.7*		µg/kg wet		*26.7*		*119*	*30-150*		
LCS (9010153-BS2)										
Prepared: 05-Jan-09 Analyzed: 08-Jan-09										
MCPA	6200		µg/kg wet	670	10000		62	40-140		
MCPA [2C]	8470		µg/kg wet	670	10000		85	40-140		
MCPB	7730		µg/kg wet	670	10000		77	40-140		
MCPB [2C]	8600		µg/kg wet	670	10000		86	40-140		
MCPP	7070		µg/kg wet	670	10000		71	40-140		
MCPP [2C]	7330		µg/kg wet	670	10000		73	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*33.8*		µg/kg wet		*26.7*		*127*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [	*31.5*		µg/kg wet		*26.7*		*118*	*30-150*		
LCS Dup (9010153-BSD1)										
Prepared: 05-Jan-09 Analyzed: 08-Jan-09										
2,4,5-T	22.5		µg/kg wet	6.70	33.3		67	40-140	5	25
2,4,5-T [2C]	21.1		µg/kg wet	6.70	33.3		63	40-140	2	25
2,4,5-TP (Silvex)	23.9		µg/kg wet	6.70	33.3		72	40-140	0.3	25
2,4,5-TP (Silvex) [2C]	25.5		µg/kg wet	6.70	33.3		77	40-140	4	25
2,4-D	23.7		µg/kg wet	6.70	33.3		71	40-140	12	25
2,4-D [2C]	23.0		µg/kg wet	6.70	33.3		69	40-140	12	25
2,4-DB	19.7		µg/kg wet	6.70	33.3		59	40-140	6	25
2,4-DB [2C]	21.6		µg/kg wet	6.70	33.3		65	40-140	22	25
Dalapon	23.7		µg/kg wet	6.70	33.3		71	40-140	2	25
Dalapon [2C]	23.1		µg/kg wet	6.70	33.3		69	40-140	6	25
Dicamba	25.1		µg/kg wet	6.70	33.3		75	40-140	0.5	25
Dicamba [2C]	24.4		µg/kg wet	6.70	33.3		73	40-140	7	25
Dichlorprop	24.7		µg/kg wet	6.70	33.3		74	40-140	7	25
Dichlorprop [2C]	26.4		µg/kg wet	6.70	33.3		79	40-140	0.8	25
Dinoseb	27.7		µg/kg wet	6.70	33.3		83	40-140	3	25
Dinoseb [2C]	28.5		µg/kg wet	6.70	33.3		86	40-140	5	25
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*32.8*		µg/kg wet		*26.7*		*123*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [	*29.7*		µg/kg wet		*26.7*		*112*	*30-150*		
LCS Dup (9010153-BSD2)										
Prepared: 05-Jan-09 Analyzed: 08-Jan-09										
MCPA	6270		µg/kg wet	670	10000		63	40-140	1	25
MCPA [2C]	8270		µg/kg wet	670	10000		83	40-140	2	25
MCPB	7670		µg/kg wet	670	10000		77	40-140	0.9	25
MCPB [2C]	8000		µg/kg wet	670	10000		80	40-140	7	25
MCPP	6600		µg/kg wet	670	10000		66	40-140	7	25
MCPP [2C]	5530	QR2	µg/kg wet	670	10000		55	40-140	28	25
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*33.2*		µg/kg wet		*26.7*		*124*	*30-150*		

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010153 - SW846 3550B										
LCS Dup (9010153-BSD2)										
Prepared: 05-Jan-09 Analyzed: 08-Jan-09										
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [:	*30.4*		µg/kg wet		*26.7*		*114*	*30-150*		
Duplicate (9010153-DUP1) **Source: SA89355-05**										
Prepared: 05-Jan-09 Analyzed: 08-Jan-09										
2,4,5-T	BRL		µg/kg dry	6.70		BRL				30
2,4,5-T [2C]	BRL		µg/kg dry	6.70		BRL				30
2,4,5-TP (Silvex)	BRL		µg/kg dry	6.70		BRL				30
2,4,5-TP (Silvex) [2C]	BRL		µg/kg dry	6.70		BRL				30
2,4-D	BRL		µg/kg dry	6.70		BRL				30
2,4-D [2C]	BRL		µg/kg dry	6.70		BRL				30
2,4-DB	BRL		µg/kg dry	6.70		BRL				30
2,4-DB [2C]	BRL		µg/kg dry	6.70		BRL				30
Dalapon	BRL		µg/kg dry	6.70		BRL				30
Dalapon [2C]	BRL		µg/kg dry	6.70		BRL				30
Dicamba	BRL		µg/kg dry	6.70		BRL				30
Dicamba [2C]	BRL		µg/kg dry	6.70		BRL				30
Dichlorprop	BRL		µg/kg dry	6.70		BRL				30
Dichlorprop [2C]	BRL		µg/kg dry	6.70		BRL				30
Dinoseb	BRL		µg/kg dry	6.70		BRL				30
Dinoseb [2C]	BRL		µg/kg dry	6.70		BRL				30
MCPA	BRL		µg/kg dry	670		BRL				30
MCPA [2C]	BRL		µg/kg dry	670		BRL				30
MCPB	BRL		µg/kg dry	670		BRL				30
MCPB [2C]	BRL		µg/kg dry	670		BRL				30
MCPP	BRL		µg/kg dry	670		BRL				30
MCPP [2C]	BRL		µg/kg dry	670		BRL				30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*16.9*		µg/kg dry		*34.4*		*49*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [:	*14.7*		µg/kg dry		*34.4*		*43*	*30-150*		

Extractable Petroleum Hydrocarbons - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010119 - SW846 3510C										
Blank (9010119-BLK1)										
Prepared: 05-Jan-09 Analyzed: 07-Jan-09										
Gasoline	BRL		mg/l	0.05						
Fuel Oil #2	BRL		mg/l	0.05						
Fuel Oil #4	BRL		mg/l	0.05						
Fuel Oil #6	BRL		mg/l	0.05						
Motor Oil	BRL		mg/l	0.05						
Aviation Fuel	BRL		mg/l	0.05						
Unidentified	BRL		mg/l	0.05						
Other Oil	BRL		mg/l	0.05						
Total Petroleum Hydrocarbons	BRL		mg/l	0.05						
C9-C36 Aliphatic Hydrocarbons	BRL		mg/l	0.05						
Surrogate: 1-Chlorooctadecane	*0.0357*		mg/l		*0.0500*		*71*	*50-150*		
LCS (9010119-BS1)										
Prepared: 05-Jan-09 Analyzed: 07-Jan-09										
C9-C36 Aliphatic Hydrocarbons	1.0		mg/l	0.05	1.40		70	60-120		
Surrogate: 1-Chlorooctadecane	*0.0434*		mg/l		*0.0500*		*87*	*50-150*		
Batch 9010184 - SW846 3550B										
Blank (9010184-BLK1)										
Prepared: 06-Jan-09 Analyzed: 07-Jan-09										
Gasoline	BRL		mg/kg wet	13.3						
Fuel Oil #2	BRL		mg/kg wet	13.3						
Fuel Oil #4	BRL		mg/kg wet	13.3						
Fuel Oil #6	BRL		mg/kg wet	13.3						
Motor Oil	BRL		mg/kg wet	13.3						
Aviation Fuel	BRL		mg/kg wet	13.3						
Unidentified	BRL		mg/kg wet	13.3						
Other Oil	BRL		mg/kg wet	13.3						
Total Petroleum Hydrocarbons	BRL		mg/kg wet	13.3						
C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg wet	13.3						
Surrogate: 1-Chlorooctadecane	*3.11*		mg/kg wet		*3.33*		*93*	*50-150*		
LCS (9010184-BS1)										
Prepared: 06-Jan-09 Analyzed: 07-Jan-09										
C9-C36 Aliphatic Hydrocarbons	57.8		mg/kg wet	13.3	93.3		62	60-120		
Surrogate: 1-Chlorooctadecane	*2.32*		mg/kg wet		*3.33*		*69*	*50-150*		
Duplicate (9010184-DUP1) **Source: SA89355-05**										
Prepared: 06-Jan-09 Analyzed: 07-Jan-09										
Gasoline	BRL		mg/kg dry	17.1		BRL				50
Fuel Oil #2	BRL		mg/kg dry	17.1		BRL				50
Fuel Oil #4	BRL		mg/kg dry	17.1		BRL				50
Fuel Oil #6	BRL		mg/kg dry	17.1		BRL				50
Motor Oil	BRL		mg/kg dry	17.1		BRL				50
Aviation Fuel	BRL		mg/kg dry	17.1		BRL				50
Unidentified	BRL		mg/kg dry	17.1		BRL				50
Other Oil	BRL		mg/kg dry	17.1		BRL				50
Total Petroleum Hydrocarbons	BRL		mg/kg dry	17.1		BRL				50
C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	17.1		BRL				50
Surrogate: 1-Chlorooctadecane	*2.30*		mg/kg dry		*2.14*		*107*	*50-150*		

Extractable Petroleum Hydrocarbons - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010184 - SW846 3550B										
Matrix Spike (9010184-MS1) **Source: SA89355-05**										
Prepared: 06-Jan-09 Analyzed: 07-Jan-09										
C9-C36 Aliphatic Hydrocarbons	76.9		mg/kg dry	17.1	120	BRL	64	50-150		
Surrogate: 1-Chlorooctadecane	*3.31*		mg/kg dry		*4.28*		*77*	*50-150*		
Matrix Spike Dup (9010184-MSD1) **Source: SA89355-05**										
Prepared: 06-Jan-09 Analyzed: 07-Jan-09										
C9-C36 Aliphatic Hydrocarbons	87.3		mg/kg dry	17.0	119	BRL	73	50-150	13	30
Surrogate: 1-Chlorooctadecane	*3.66*		mg/kg dry		*4.26*		*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 9010039 - SW846 3050B										
Blank (9010039-BLK1)										
Prepared: 02-Jan-09 Analyzed: 08-Jan-09										
Lead	BRL		mg/kg wet	1.27						
Selenium	BRL		mg/kg wet	1.27						
Arsenic	BRL		mg/kg wet	1.27						
Cadmium	BRL		mg/kg wet	0.424						
Silver	BRL		mg/kg wet	1.27						
Chromium	BRL		mg/kg wet	0.848						
Barium	BRL		mg/kg wet	0.848						
Duplicate (9010039-DUP1)	**Source: SA89355-01**									
Prepared: 02-Jan-09 Analyzed: 08-Jan-09										
Lead	126		mg/kg dry	1.73		134			7	20
Selenium	1.46	J	mg/kg dry	1.73		1.45			0.4	20
Silver	0.942	J	mg/kg dry	1.73		1.10			16	20
Arsenic	48.3		mg/kg dry	1.73		45.1			7	20
Cadmium	0.526	J	mg/kg dry	0.578		0.510			3	20
Chromium	10.2		mg/kg dry	1.16		9.83			4	20
Barium	84.9		mg/kg dry	1.16		86.7			2	20
Matrix Spike (9010039-MS1)	**Source: SA89355-02**									
Prepared: 02-Jan-09 Analyzed: 08-Jan-09										
Lead	123		mg/kg dry	1.57	131	3.02	92	75-125		
Selenium	117		mg/kg dry	1.57	131	0.739	89	75-125		
Cadmium	124		mg/kg dry	0.522	131	0.116	95	75-125		
Arsenic	119		mg/kg dry	1.57	131	0.623	91	75-125		
Silver	122		mg/kg dry	1.57	131	0.789	93	75-125		
Chromium	132		mg/kg dry	1.04	131	4.42	98	75-125		
Barium	143		mg/kg dry	1.04	131	22.7	92	75-125		
Matrix Spike Dup (9010039-MSD1)	**Source: SA89355-02**									
Prepared: 02-Jan-09 Analyzed: 08-Jan-09										
Selenium	116		mg/kg dry	1.55	129	0.739	89	75-125	0.8	20
Lead	123		mg/kg dry	1.55	129	3.02	93	75-125	0.4	20
Arsenic	119		mg/kg dry	1.55	129	0.623	92	75-125	0.3	20
Silver	122		mg/kg dry	1.55	129	0.789	94	75-125	0.05	20
Cadmium	124		mg/kg dry	0.518	129	0.116	95	75-125	0.04	20
Chromium	132		mg/kg dry	1.04	129	4.42	99	75-125	0.3	20
Barium	142		mg/kg dry	1.04	129	22.7	93	75-125	0.4	20
Post Spike (9010039-PS1)	**Source: SA89355-02**									
Prepared: 02-Jan-09 Analyzed: 08-Jan-09										
Lead	131		mg/kg dry	1.67	139	3.02	92	80-120		
Selenium	125		mg/kg dry	1.67	139	0.739	89	80-120		
Silver	131		mg/kg dry	1.67	139	0.789	94	80-120		
Cadmium	132		mg/kg dry	0.556	139	0.116	95	80-120		
Arsenic	127		mg/kg dry	1.67	139	0.623	91	80-120		
Chromium	141		mg/kg dry	1.11	139	4.42	98	80-120		
Barium	142		mg/kg dry	1.11	139	22.7	86	80-120		
Reference (9010039-SRM1)										
Prepared: 02-Jan-09 Analyzed: 08-Jan-09										
Lead	39.4		mg/kg wet	1.50	43.7		90	78.8-120.9		
Selenium	129		mg/kg wet	1.50	145		89	76.6-123.1		

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

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010039 - SW846 3050B										
Reference (9010039-SRM1)										
Prepared: 02-Jan-09 Analyzed: 08-Jan-09										
Cadmium	28.5		mg/kg wet	0.500	30.8		93	80.9-119.3		
Silver	15.6		mg/kg wet	1.50	15.3		102	66.4-133.6		
Arsenic	47.2		mg/kg wet	1.50	52.8		89	77.6-123.1		
Chromium	115		mg/kg wet	1.00	120		96	79.7-120.3		
Barium	94.6		mg/kg wet	1.00	101		94	79.8-119.7		
Reference (9010039-SRM2)										
Prepared: 02-Jan-09 Analyzed: 08-Jan-09										
Lead	41.7		mg/kg wet	1.50	44.2		94	78.8-120.9		
Selenium	140		mg/kg wet	1.50	147		95	76.6-123.1		
Silver	16.5		mg/kg wet	1.50	15.5		107	66.4-133.6		
Cadmium	31.3		mg/kg wet	0.500	31.2		100	80.9-119.3		
Arsenic	50.2		mg/kg wet	1.50	53.5		94	77.6-123.1		
Chromium	125		mg/kg wet	1.00	121		103	79.7-120.3		
Barium	115		mg/kg wet	1.00	102		113	79.8-119.7		
Batch 9010041 - EPA200/SW7000 Series										
Blank (9010041-BLK1)										
Prepared: 02-Jan-09 Analyzed: 06-Jan-09										
Mercury	BRL		mg/kg wet	0.0267						
Duplicate (9010041-DUP1) **Source: SA89355-01**										
Prepared: 02-Jan-09 Analyzed: 06-Jan-09										
Mercury	0.655	QR6	mg/kg dry	0.0368		0.870			28	20
Matrix Spike (9010041-MS1) **Source: SA89355-02**										
Prepared: 02-Jan-09 Analyzed: 06-Jan-09										
Mercury	0.432		mg/kg dry	0.0355	0.493	BRL	87	75-125		
Matrix Spike Dup (9010041-MSD1) **Source: SA89355-02**										
Prepared: 02-Jan-09 Analyzed: 06-Jan-09										
Mercury	0.426		mg/kg dry	0.0363	0.504	BRL	85	75-125	1	20
Post Spike (9010041-PS1) **Source: SA89355-02**										
Prepared: 02-Jan-09 Analyzed: 06-Jan-09										
Mercury	0.499		mg/kg dry	0.0370	0.514	BRL	97	80-120		
Reference (9010041-SRM1)										
Prepared: 02-Jan-09 Analyzed: 06-Jan-09										
Mercury	2.01		mg/kg wet	0.0300	2.19		92	71.7-128.8		
Batch 9010121 - General Prep-Metal										
Blank (9010121-BLK1)										
Prepared: 05-Jan-09 Analyzed: 06-Jan-09										
Selenium	BRL		mg/l	0.0150						
Lead	BRL		mg/l	0.0075						
Arsenic	BRL		mg/l	0.0040						
Cadmium	BRL		mg/l	0.0025						
Silver	BRL		mg/l	0.0050						
Barium	BRL		mg/l	0.0050						
Chromium	BRL		mg/l	0.0050						
LCS (9010121-BS1)										
Prepared: 05-Jan-09 Analyzed: 06-Jan-09										

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 9010121 - General Prep-Metal										
LCS (9010121-BS1)										
Prepared: 05-Jan-09 Analyzed: 06-Jan-09										
Selenium	1.35		mg/l	0.0150	1.25		108	85-115		
Lead	1.16		mg/l	0.0075	1.25		93	85-115		
Silver	1.21		mg/l	0.0050	1.25		97	85-115		
Barium	1.27		mg/l	0.0050	1.25		102	85-115		
Cadmium	1.36		mg/l	0.0025	1.25		109	85-115		
Arsenic	1.24		mg/l	0.0040	1.25		99	85-115		
Chromium	1.43		mg/l	0.0050	1.25		114	85-115		
LCS Dup (9010121-BSD1)										
Prepared: 05-Jan-09 Analyzed: 06-Jan-09										
Selenium	1.37		mg/l	0.0150	1.25		109	85-115	1	20
Lead	1.16		mg/l	0.0075	1.25		93	85-115	0.6	20
Arsenic	1.25		mg/l	0.0040	1.25		100	85-115	0.6	20
Barium	1.28		mg/l	0.0050	1.25		102	85-115	0.3	20
Silver	1.22		mg/l	0.0050	1.25		98	85-115	1	20
Cadmium	1.38		mg/l	0.0025	1.25		110	85-115	1	20
Chromium	1.29		mg/l	0.0050	1.25		104	85-115	10	20
Duplicate (9010121-DUP1) **Source: SA89368-01**										
Prepared: 05-Jan-09 Analyzed: 06-Jan-09										
Selenium	0.0124	J	mg/l	0.0150		0.0112			10	20
Lead	0.0304		mg/l	0.0075		0.0288			5	20
Barium	0.610		mg/l	0.0050		0.572			7	20
Arsenic	0.0084	QR8	mg/l	0.0040		0.0067			23	20
Cadmium	0.0025		mg/l	0.0025		0.0022			13	20
Silver	BRL		mg/l	0.0050		BRL				20
Chromium	0.0958		mg/l	0.0050		0.0898			7	20
Matrix Spike (9010121-MS1) **Source: SA89368-16**										
Prepared: 05-Jan-09 Analyzed: 06-Jan-09										
Selenium	1.38		mg/l	0.0150	1.25	BRL	110	75-125		
Lead	1.20		mg/l	0.0075	1.25	BRL	96	75-125		
Cadmium	1.39		mg/l	0.0025	1.25	BRL	111	75-125		
Silver	1.26		mg/l	0.0050	1.25	BRL	100	75-125		
Barium	1.34		mg/l	0.0050	1.25	0.0204	105	75-125		
Arsenic	1.28		mg/l	0.0040	1.25	BRL	102	75-125		
Chromium	1.31		mg/l	0.0050	1.25	BRL	104	75-125		
Matrix Spike Dup (9010121-MSD1) **Source: SA89368-16**										
Prepared: 05-Jan-09 Analyzed: 06-Jan-09										
Selenium	1.40		mg/l	0.0150	1.25	BRL	112	75-125	1	20
Lead	1.19		mg/l	0.0075	1.25	BRL	95	75-125	0.8	20
Barium	1.32		mg/l	0.0050	1.25	0.0204	104	75-125	1	20
Cadmium	1.39		mg/l	0.0025	1.25	BRL	112	75-125	0.07	20
Silver	1.25		mg/l	0.0050	1.25	BRL	100	75-125	0.4	20
Arsenic	1.28		mg/l	0.0040	1.25	BRL	102	75-125	0.04	20
Chromium	1.30		mg/l	0.0050	1.25	BRL	104	75-125	0.4	20
Post Spike (9010121-PS1) **Source: SA89368-16**										
Prepared: 05-Jan-09 Analyzed: 06-Jan-09										
Selenium	1.45		mg/l	0.0150	1.25	BRL	116	80-120		
Lead	1.23		mg/l	0.0075	1.25	BRL	98	80-120		

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 9010121 - General Prep-Metal										
Post Spike (9010121-PS1) **Source: SA89368-16**										
Prepared: 05-Jan-09 Analyzed: 06-Jan-09										
Barium	1.36		mg/l	0.0050	1.25	0.0204	107	80-120		
Arsenic	1.32		mg/l	0.0040	1.25	BRL	106	80-120		
Silver	1.29		mg/l	0.0050	1.25	BRL	103	80-120		
Cadmium	1.44		mg/l	0.0025	1.25	BRL	115	80-120		
Chromium	1.34		mg/l	0.0050	1.25	BRL	107	80-120		

Total Metals by EPA 200 Series Methods - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010123 - EPA200/SW7000 Series										
Blank (9010123-BLK1)										
Prepared: 05-Jan-09 Analyzed: 06-Jan-09										
Mercury	BRL		mg/l	0.00020						
LCS (9010123-BS1)										
Prepared: 05-Jan-09 Analyzed: 06-Jan-09										
Mercury	0.00429		mg/l	0.00020	0.00500		86	85-115		
Duplicate (9010123-DUP1) **Source: SA89368-01**										
Prepared: 05-Jan-09 Analyzed: 06-Jan-09										
Mercury	BRL		mg/l	0.00020		BRL				20
Matrix Spike (9010123-MS1) **Source: SA89368-16**										
Prepared: 05-Jan-09 Analyzed: 06-Jan-09										
Mercury	0.00444		mg/l	0.00020	0.00500	BRL	89	75-125		
Matrix Spike Dup (9010123-MSD1) **Source: SA89368-16**										
Prepared: 05-Jan-09 Analyzed: 06-Jan-09										
Mercury	0.00432		mg/l	0.00020	0.00500	BRL	86	75-125	3	20
Post Spike (9010123-PS1) **Source: SA89368-16**										
Prepared: 05-Jan-09 Analyzed: 06-Jan-09										
Mercury	0.00435		mg/l	0.00020	0.00500	BRL	87	85-115		

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

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9020245 - SW846 3010A										
Blank (9020245-BLK1)										
Prepared & Analyzed: 05-Feb-09										
Lead	BRL		mg/l	0.0150						
LCS (9020245-BS1)										
Prepared & Analyzed: 05-Feb-09										
Lead	2.38		mg/l	0.0150	2.50		95	85-115		
LCS Dup (9020245-BSD1)										
Prepared & Analyzed: 05-Feb-09										
Lead	2.33		mg/l	0.0150	2.50		93	85-115	2	20
Duplicate (9020245-DUP1)	**Source: SA90516-02**									
Prepared & Analyzed: 05-Feb-09										
Lead	0.662		mg/l	0.0150		0.666			0.6	20
Matrix Spike (9020245-MS1)	**Source: SA90516-01**									
Prepared & Analyzed: 05-Feb-09										
Lead	5.65		mg/l	0.0150	2.50	3.31	94	75-125		
Matrix Spike Dup (9020245-MSD1)	**Source: SA90516-01**									
Prepared & Analyzed: 05-Feb-09										
Lead	5.67		mg/l	0.0150	2.50	3.31	95	75-125	0.4	20
Post Spike (9020245-PS1)	**Source: SA90516-01**									
Prepared & Analyzed: 05-Feb-09										
Lead	5.65		mg/l	0.0150	2.50	3.31	94	75-125		

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

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9011167 - SW846 3010A										
Blank (9011167-BLK1)										
Prepared & Analyzed: 20-Jan-09										
Lead	BRL		mg/l	0.0150						
Arsenic	BRL		mg/l	0.0080						
Chromium	BRL		mg/l	0.0100						
LCS (9011167-BS1)										
Prepared & Analyzed: 20-Jan-09										
Lead	2.58		mg/l	0.0150	2.50		103	85-115		
Arsenic	2.52		mg/l	0.0080	2.50		101	85-115		
Chromium	2.56		mg/l	0.0100	2.50		102	85-115		
LCS Dup (9011167-BSD1)										
Prepared & Analyzed: 20-Jan-09										
Lead	2.64		mg/l	0.0150	2.50		105	85-115	2	20
Arsenic	2.56		mg/l	0.0080	2.50		102	85-115	1	20
Chromium	2.60		mg/l	0.0100	2.50		104	85-115	1	20
Duplicate (9011167-DUP1)	**Source: SA89544-05**									
Prepared & Analyzed: 20-Jan-09										
Lead	BRL		mg/l	0.0150		BRL				20
Arsenic	BRL		mg/l	0.0080		BRL				20
Chromium	BRL		mg/l	0.0100		BRL				20
Matrix Spike (9011167-MS1)	**Source: SA89355-01**									
Prepared & Analyzed: 20-Jan-09										
Lead	2.65		mg/l	0.0150	2.50	0.0105	106	75-125		
Arsenic	2.52		mg/l	0.0080	2.50	BRL	101	75-125		
Chromium	2.55		mg/l	0.0100	2.50	BRL	102	75-125		
Matrix Spike Dup (9011167-MSD1)	**Source: SA89355-01**									
Prepared & Analyzed: 20-Jan-09										
Lead	2.63		mg/l	0.0150	2.50	0.0105	105	75-125	0.9	20
Arsenic	2.50		mg/l	0.0080	2.50	BRL	100	75-125	0.6	20
Chromium	2.51		mg/l	0.0100	2.50	BRL	100	75-125	2	20
Post Spike (9011167-PS1)	**Source: SA89355-01**									
Prepared & Analyzed: 20-Jan-09										
Lead	2.66		mg/l	0.0150	2.50	0.0105	106	75-125		
Arsenic	2.55		mg/l	0.0080	2.50	BRL	102	75-125		
Chromium	2.56		mg/l	0.0100	2.50	BRL	102	75-125		
Batch 9011168 - EPA200/SW7000 Series										
Blank (9011168-BLK1)										
Prepared: 20-Jan-09 Analyzed: 21-Jan-09										
Mercury	BRL		mg/l	0.00020						
LCS (9011168-BS1)										
Prepared: 20-Jan-09 Analyzed: 21-Jan-09										
Mercury	0.00457		mg/l	0.00020	0.00500		91	56.1-122		
Duplicate (9011168-DUP1)	**Source: SA89355-01**									
Prepared: 20-Jan-09 Analyzed: 21-Jan-09										
Mercury	0.00012	J	mg/l	0.00020		0.00011			4	20
Matrix Spike (9011168-MS1)	**Source: SA89355-01**									
Prepared: 20-Jan-09 Analyzed: 21-Jan-09										

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

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9011168 - EPA200/SW7000 Series										
Matrix Spike (9011168-MS1)	**Source: SA89355-01**									
Prepared: 20-Jan-09 Analyzed: 21-Jan-09										
Mercury	0.00502		mg/l	0.00020	0.00500	0.00011	98	59.8-119		
Matrix Spike Dup (9011168-MSD1)	**Source: SA89355-01**									
Prepared: 20-Jan-09 Analyzed: 21-Jan-09										
Mercury	0.00494		mg/l	0.00020	0.00500	0.00011	97	59.8-119	2	20
Post Spike (9011168-PS1)	**Source: SA89355-01**									
Prepared: 20-Jan-09 Analyzed: 21-Jan-09										
Mercury	0.00498		mg/l	0.00020	0.00500	0.00011	97	72.4-113		

General Chemistry Parameters - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010054 - General Preparation										
Duplicate (9010054-DUP1)	**Source: SA89296-41**									
Prepared & Analyzed: 02-Jan-09										
% Solids	72.4		%			66.6			8	20

Notes and Definitions

O09	This sample was analyzed outside the EPA recommended holding time per client request.
QC1	Analyte out of acceptance range.
QC2	Analyte out of acceptance range in QC spike but no reportable concentration present in sample.
QM7	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QR2	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
QR5	RPD out of acceptance range.
QR6	The RPD exceeded the QC control limits; however precision is demonstrated with acceptable RPD values for MS/MSD.
QR8	Analyses are not controlled on RPD values from sample concentrations that are less than 5 times the reporting level. The batch is accepted based upon the difference between the sample and duplicate is less than or equal to the reporting limit.
R02	Elevated Reporting Limits due to limited sample volume.
Z-2	MS/ MSD failed 12hr time window
BRL	Below Reporting Limit - Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference
J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).

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

Interpretation of Total Petroleum Hydrocarbon Report

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

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

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

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

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

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

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

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

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

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

Validated by:
Hanibal C. Tayeh, Ph.D.
Nicole Leja
Rebecca Merz

SA 89355

SPECTRUM ANALYTICAL, INC.
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CHAIN OF CUSTODY RECORD

Page 1 of 1

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

Report To: Tetra Tech Rizzo
150 Trumbull St. 4th floor
Hartford, CT 06106

Project Mgr.: David Brassard

Invoice To: DAS # 44236

P.O. No.: _____ RQN: _____

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

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

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

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analyses: VOC 8260	SVOC 8270	CT ETPH	PCB 8082	Herbicides	Total RCRA 8 metals
89355-01	RSB-C53	12/29/08	1045	G	SO	7	3	2			X	X	X	X	X	X
-02	RSB-C54		1100		SO	7		2								
-03	RSB-C54(GW)		1200		GW	24		2		1						
-04	RSB-C55		1330		SO	7		2								
-05	RSB-C56		1400	↓	SO	7	↓	2				X	X	X	X	X
-06	Trip Blank		1530	G	GW	2	3				X					

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

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

State specific reporting standards: CT

- [ ] Fax results when available to (____) _____
- [x] E-mail to david.brassard@tetratech.com
EDD Format Patrick - deLaula

Condition upon receipt: [ ] Iced [ ] Ambient [x] C 5.1

Relinquished by:	Received by:	Date:	Time:
Patrick S. deLaula		12-30-08	930
		12-30-08	1420

SA 89355

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

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

Report To: Tetra Tech Rizzo
150 Trumbull St. 4th floor
Hartford, CT 06106

Project Mgr.: David Brassard

Invoice To: DAS XX 44236

P.O. No.: _____ RQN: _____

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

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

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

G=Grab C=Composite

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

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

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic		VOC 8260	SVOC 8270	CT ETPH	PCB 8080	Herbicides	Total PCRA 8 metals	SPLP Pb, As, Cu, Hg		
89355-01	RSB-C53	12/29/08	1045	G	SO	7	3	2				X	X	X	X	X	X	X		
02	RSB-C54		1100	↓	SO	7	↓	2				↓	↓	↓	↓	↓	↓			added Parlient
03	RSB-C54(GW)		1200	↓	GW	2Y	↓	2		1		↓	↓	↓	↓	↓	↓			request 1/16
04	RSB-C55		1330	↓	SO	7	↓	2				↓	↓	↓	↓	↓	↓			
05	RSB-C56		1400	↓	SO	7	↓	2				↓	X	X	X	X	X			
06	Trip Blank		1530	G	GW	2	3					X								

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

Condition upon receipt: ☐ Iced ☐ Ambient ☒ C 5.1

Relinquished by:	Received by:	Date:	Time:
Patrick S. de Paula	[signature]	12-30-08	980
[signature]	[signature]	12-30-08	1420

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

SA 89355

SPECTRUM ANALYTICAL, INC.
Formerly
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

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

Report To: Tetra Tech Rizzo
150 Trumbull St, 4th floor
Hartford, CT 06106

Project Mgr.: David Brassard

Invoice To: DAS # 44236

P.O. No.: _____ RQN: _____

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

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

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

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analyses: VOC 8260	SVOC 8270	CT ETPH	PCB 8082	Herbicides	Total RCRA 8 metals	SPLP Pb, As, Cadmium	TCLP Pb	QA Reporting Notes: (check if needed)
89355-01	RSB-CS3	12/29/08	1045	G	SO	7	3	2			X	X	X	X	X	X	X	X	added Pb listed request 1/16
-02	RSB-CS4		1100		SO	7		2											
-03	RSB-CS4(GW)		1206		GW	2Y		2		1									
-04	RSB-CS5		1330		SO	7		2											
-05	RSB-CS6		1400	↓	SO	7	↓	2				X	X	X	X	X			
-06	Trip Blank		1530	G	GW	2	3				X								ADDED 2/3/09 ANALYSIS
																			See attached

☐ Fax results when available to (____) _____
☑ E-mail to david.brassard@tetratech.com
EDD Format Patrick.deLaura
Condition upon receipt: ☐ Iced ☐ Ambient ☑ °C 5.1

Relinquished by:	Received by:	Date:	Time:
Patrick S. deLaura	[signature]	12.30.08	930
[signature]	[signature]	12-30-08	1420

Report Date:
08-Jan-09 16:40

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

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

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

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SA89379-01	RSB-C57	Soil	30-Dec-08 08:45	31-Dec-08 14:58
SA89379-02	RSB-C58	Soil	30-Dec-08 09:30	31-Dec-08 14:58
SA89379-03	RSB-C59	Soil	30-Dec-08 10:00	31-Dec-08 14:58
SA89379-04	RSB-C50	Soil	30-Dec-08 11:20	31-Dec-08 14:58

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

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

Authorized by:

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

Technical Reviewer's Initial:

Spectrum Analytical holds certification in the State of New York for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of New York does not offer certification for all analytes.
Please note that this report contains 42 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supercedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report is available upon request. This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

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

CASE NARRATIVE:

The samples were received 7.2 degrees Celsius, please refer to the Chain of Custody for details specific to temperature upon receipt. An infrared thermometer with a tolerance of +/- 2.0 degrees Celsius was used immediately upon receipt of the samples.

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

SW846 6010B

Duplicates:

9010073-DUP1 *Source: SA89376-02*

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

Arsenic
Cadmium

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

Barium

SW846 8151A

Laboratory Control Samples:

9010153-BSD2

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

MCPP [2C]

SW846 8260B

Laboratory Control Samples:

9010159-BSD1

Analyte out of acceptance range.

Chloromethane
Ethanol

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

Vinyl chloride

SW846 8270C

Spikes:

9010111-MSD1 *Source: SA89379-01*

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

4-Nitrophenol
Benzo (b) fluoranthene
Pyrene

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C57 SA89379-01	127-17797-08011	Soil	30-Dec-08 08:45	31-Dec-08

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	02-Jan-09	02-Jan-09	9010078	
Volatile Organic Compounds						Initial weight: 4.95 g					
Prepared by method SW846 5035A Soil (low level)											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	8.1	1	SW846 8260B	05-Jan-09	06-Jan-09	9010159	X
67-64-1	Acetone	BRL		µg/kg dry	81.4	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	8.1	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	8.1	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	8.1	1	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	8.1	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	8.1	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	8.1	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	16.3	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	81.4	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	8.1	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	8.1	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	8.1	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	40.7	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	8.1	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	8.1	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	16.3	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	8.1	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	16.3	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	8.1	1	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	8.1	1	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	16.3	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	8.1	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	8.1	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	8.1	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	8.1	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	8.1	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	8.1	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	16.3	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	8.1	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	8.1	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	8.1	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	8.1	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	8.1	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	8.1	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	8.1	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	8.1	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	8.1	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	8.1	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	8.1	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	8.1	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	8.1	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	81.4	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	8.1	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	8.1	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	8.1	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	81.4	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	81.4	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	8.1	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C57 SA89379-01	127-17797-08011	Soil	30-Dec-08 08:45	31-Dec-08

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
Volatile Organic Compounds											
Prepared by method SW846 5035A Soil (low level)						Initial weight: 4.95 g					
103-65-1	n-Propylbenzene	BRL		µg/kg dry	8.1	1	SW846 8260B	05-Jan-09	06-Jan-09	9010159	X
100-42-5	Styrene	BRL		µg/kg dry	8.1	1	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	8.1	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	8.1	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	8.1	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	8.1	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	8.1	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	8.1	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	8.1	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	8.1	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	8.1	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	8.1	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	8.1	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	8.1	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	8.1	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	8.1	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	8.1	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	16.3	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	8.1	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	81.4	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	8.1	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	8.1	1	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	8.1	1	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	8.1	1	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	81.4	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	163	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	40.7	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	3260	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*88*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*91*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*113*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*98*		*70-130 %*			"	"	"	"	
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3545A											
83-32-9	Acenaphthene	BRL		µg/kg dry	430	1	SW846 8270C	05-Jan-09	07-Jan-09	9010111	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	430	1	"	"	"	"	X
62-53-3	Aniline	BRL		µg/kg dry	430	1	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	430	1	"	"	"	"	X
1912-24-9	Atrazine	BRL		µg/kg dry	430	1	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/kg dry	430	1	"	"	"	"	
92-87-5	Benzidine	BRL		µg/kg dry	430	1	"	"	"	"	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	430	1	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	430	1	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	430	1	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	430	1	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	430	1	"	"	"	"	X
65-85-0	Benzoic acid	BRL		µg/kg dry	430	1	"	"	"	"	X
100-51-6	Benzyl alcohol	BRL		µg/kg dry	430	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C57 SA89379-01	127-17797-08011	Soil	30-Dec-08 08:45	31-Dec-08

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3545A											
111-91-1	Bis(2-chloroethoxy)methane	BRL		µg/kg dry	430	1	SW846 8270C	05-Jan-09	07-Jan-09	9010111	X
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/kg dry	430	1	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	430	1	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	430	1	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/kg dry	430	1	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	BRL		µg/kg dry	430	1	"	"	"	"	X
86-74-8	Carbazole	BRL		µg/kg dry	430	1	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	BRL		µg/kg dry	430	1	"	"	"	"	X
106-47-8	4-Chloroaniline	BRL		µg/kg dry	430	1	"	"	"	"	X
91-58-7	2-Chloronaphthalene	BRL		µg/kg dry	430	1	"	"	"	"	X
95-57-8	2-Chlorophenol	BRL		µg/kg dry	430	1	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/kg dry	430	1	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	430	1	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	430	1	"	"	"	"	X
132-64-9	Dibenzofuran	BRL		µg/kg dry	430	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	430	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	430	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	430	1	"	"	"	"	X
91-94-1	3,3'-Dichlorobenzidine	BRL		µg/kg dry	430	1	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	BRL		µg/kg dry	430	1	"	"	"	"	X
84-66-2	Diethyl phthalate	BRL		µg/kg dry	430	1	"	"	"	"	X
131-11-3	Dimethyl phthalate	BRL		µg/kg dry	430	1	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	BRL		µg/kg dry	430	1	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	BRL		µg/kg dry	430	1	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	430	1	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	BRL		µg/kg dry	430	1	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	BRL		µg/kg dry	430	1	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	BRL		µg/kg dry	430	1	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	BRL		µg/kg dry	430	1	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	430	1	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	430	1	"	"	"	"	X
118-74-1	Hexachlorobenzene	BRL		µg/kg dry	430	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	430	1	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	BRL		µg/kg dry	430	1	"	"	"	"	X
67-72-1	Hexachloroethane	BRL		µg/kg dry	430	1	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	430	1	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	430	1	"	"	"	"	
78-59-1	Isophorone	BRL		µg/kg dry	430	1	"	"	"	"	X
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	430	1	"	"	"	"	X
95-48-7	2-Methylphenol	BRL		µg/kg dry	430	1	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	BRL		µg/kg dry	430	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	430	1	"	"	"	"	X
88-74-4	2-Nitroaniline	BRL		µg/kg dry	430	1	"	"	"	"	X
99-09-2	3-Nitroaniline	BRL		µg/kg dry	430	1	"	"	"	"	X
100-01-6	4-Nitroaniline	BRL		µg/kg dry	1720	1	"	"	"	"	X
98-95-3	Nitrobenzene	BRL		µg/kg dry	430	1	"	"	"	"	X
88-75-5	2-Nitrophenol	BRL		µg/kg dry	430	1	"	"	"	"	X
100-02-7	4-Nitrophenol	BRL		µg/kg dry	1720	1	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	BRL		µg/kg dry	430	1	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/kg dry	430	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C57	127-17797-08011	Soil	30-Dec-08 08:45	31-Dec-08
SA89379-01				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3545A											
86-30-6	N-Nitrosodiphenylamine	BRL		µg/kg dry	430	1	SW846 8270C	05-Jan-09	07-Jan-09	9010111	X
87-86-5	Pentachlorophenol	BRL		µg/kg dry	430	1	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	430	1	"	"	"	"	X
108-95-2	Phenol	BRL		µg/kg dry	430	1	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	430	1	"	"	"	"	X
110-86-1	Pyridine	BRL		µg/kg dry	430	1	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	430	1	"	"	"	"	X
95-95-4	2,4,5-Trichlorophenol	BRL		µg/kg dry	430	1	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	BRL		µg/kg dry	430	1	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	BRL		µg/kg dry	430	1	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	430	1	"	"	"	"	X
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*71*		*30-130 %*			"	"	"	"	
367-12-4	*2-Fluorophenol*	*80*		*15-110 %*			"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*67*		*30-130 %*			"	"	"	"	
4165-62-2	*Phenol-d5*	*70*		*15-110 %*			"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*87*		*30-130 %*			"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*78*		*15-110 %*			"	"	"	"	
Semivolatile Organic Compounds by GC											
Polychlorinated Biphenyls by SW846 8082											
Prepared by method SW846 3545A											
12674-11-2	PCB 1016	BRL		µg/kg dry	25.0	1	SW846 8082	05-Jan-09	06-Jan-09	9010110	X
11104-28-2	PCB 1221	BRL		µg/kg dry	25.0	1	"	"	"	"	X
11141-16-5	PCB 1232	BRL		µg/kg dry	25.0	1	"	"	"	"	X
53469-21-9	PCB 1242	BRL		µg/kg dry	25.0	1	"	"	"	"	X
12672-29-6	PCB 1248	BRL		µg/kg dry	25.0	1	"	"	"	"	X
11097-69-1	PCB 1254	BRL		µg/kg dry	25.0	1	"	"	"	"	X
11096-82-5	PCB 1260	BRL		µg/kg dry	25.0	1	"	"	"	"	X
37324-23-5	PCB 1262	BRL		µg/kg dry	25.0	1	"	"	"	"	X
11100-14-4	PCB 1268	BRL		µg/kg dry	25.0	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*82*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*100*		*30-150 %*			"	"	"	"	
Chlorinated Herbicides by SW846 8151A											
Prepared by method SW846 3550B											
93-76-5	2,4,5-T	BRL		µg/kg dry	6.70	1	SW846 8151A	05-Jan-09	08-Jan-09	9010153	X
93-72-1	2,4,5-TP (Silvex)	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-75-7	2,4-D	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-82-6	2,4-DB	BRL		µg/kg dry	6.70	1	"	"	"	"	X
75-99-0	Dalapon	BRL		µg/kg dry	6.70	1	"	"	"	"	X
1918-00-9	Dicamba	BRL		µg/kg dry	6.70	1	"	"	"	"	X
120-36-5	Dichlorprop	BRL		µg/kg dry	6.70	1	"	"	"	"	X
88-85-7	Dinoseb	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-74-6	MCPA	BRL		µg/kg dry	670	1	"	"	"	"	X
94-81-5	MCPB	BRL		µg/kg dry	670	1	"	"	"	"	
93-65-2	MCPP	BRL		µg/kg dry	670	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*103*		*30-150 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C57 SA89379-01	127-17797-08011	Soil	30-Dec-08 08:45	31-Dec-08

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3550B											
8006-61-9	Gasoline	BRL		mg/kg dry	17.3	1	+CT ETPH	05-Jan-09	07-Jan-09	9010112	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	17.3	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	17.3	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	17.3	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	17.3	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	17.3	1	"	"	"	"	
	Unidentified	BRL		mg/kg dry	17.3	1	"	"	"	"	
	Other Oil	BRL		mg/kg dry	17.3	1	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL		mg/kg dry	17.3	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	17.3	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*101*		*50-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	BRL		mg/kg dry	1.69	1	SW846 6010B	05-Jan-09	06-Jan-09	9010073	X
7440-38-2	Arsenic	4.53		mg/kg dry	1.69	1	"	"	"	"	X
7440-39-3	Barium	109		mg/kg dry	1.13	1	"	"	"	"	X
7440-43-9	Cadmium	0.632		mg/kg dry	0.564	1	"	"	"	"	X
7440-47-3	Chromium	25.2		mg/kg dry	1.13	1	"	"	"	"	X
7439-97-6	Mercury	BRL		mg/kg dry	0.0369	1	SW846 7471A	"	07-Jan-09	9010076	X
7439-92-1	Lead	11.8		mg/kg dry	1.69	1	SW846 6010B	"	06-Jan-09	9010073	X
7782-49-2	Selenium	3.90		mg/kg dry	1.69	1	"	"	"	"	X
General Chemistry Parameters											
	% Solids	76.5		%		1	SM2540 G Mod.	02-Jan-09	02-Jan-09	9010056	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C58	127-17797-08011	Soil	30-Dec-08 09:30	31-Dec-08
SA89379-02				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	02-Jan-09	02-Jan-09	9010078	
Volatile Organic Compounds											
Prepared by method SW846 5035A Soil (low level)						Initial weight: 5.41 g					
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	7.4	1	SW846 8260B	05-Jan-09	06-Jan-09	9010159	X
67-64-1	Acetone	BRL		µg/kg dry	74.4	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	7.4	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	7.4	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	7.4	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	7.4	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	14.9	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	74.4	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	37.2	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	7.4	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	14.9	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	7.4	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	14.9	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	14.9	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	7.4	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	7.4	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	7.4	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	14.9	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	7.4	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	7.4	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	7.4	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	7.4	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	7.4	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	74.4	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	7.4	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	74.4	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	74.4	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	7.4	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C58 SA89379-02	127-17797-08011	Soil	30-Dec-08 09:30	31-Dec-08

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
Volatile Organic Compounds					Initial weight: 5.41 g						
Prepared by method SW846 5035A Soil (low level)											
103-65-1	n-Propylbenzene	BRL		µg/kg dry	7.4	1	SW846 8260B	05-Jan-09	06-Jan-09	9010159	X
100-42-5	Styrene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	7.4	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	7.4	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	7.4	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	7.4	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	7.4	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	7.4	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	7.4	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	7.4	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	7.4	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	14.9	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	74.4	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	7.4	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	7.4	1	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	7.4	1	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	7.4	1	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	74.4	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	149	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	37.2	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	2980	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*92*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*95*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*121*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*102*		*70-130 %*			"	"	"	"	
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3545A											
83-32-9	Acenaphthene	BRL		µg/kg dry	424	1	SW846 8270C	05-Jan-09	07-Jan-09	9010111	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	424	1	"	"	"	"	X
62-53-3	Aniline	BRL		µg/kg dry	424	1	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	424	1	"	"	"	"	X
1912-24-9	Atrazine	BRL		µg/kg dry	424	1	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/kg dry	424	1	"	"	"	"	
92-87-5	Benzidine	BRL		µg/kg dry	424	1	"	"	"	"	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	424	1	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	424	1	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	424	1	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	424	1	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	424	1	"	"	"	"	X
65-85-0	Benzoic acid	BRL		µg/kg dry	424	1	"	"	"	"	X
100-51-6	Benzyl alcohol	BRL		µg/kg dry	424	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C58	127-17797-08011	Soil	30-Dec-08 09:30	31-Dec-08
SA89379-02				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3545A											
111-91-1	Bis(2-chloroethoxy)methane	BRL		µg/kg dry	424	1	SW846 8270C	05-Jan-09	07-Jan-09	9010111	X
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/kg dry	424	1	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	424	1	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	424	1	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/kg dry	424	1	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	BRL		µg/kg dry	424	1	"	"	"	"	X
86-74-8	Carbazole	BRL		µg/kg dry	424	1	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	BRL		µg/kg dry	424	1	"	"	"	"	X
106-47-8	4-Chloroaniline	BRL		µg/kg dry	424	1	"	"	"	"	X
91-58-7	2-Chloronaphthalene	BRL		µg/kg dry	424	1	"	"	"	"	X
95-57-8	2-Chlorophenol	BRL		µg/kg dry	424	1	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/kg dry	424	1	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	424	1	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	424	1	"	"	"	"	X
132-64-9	Dibenzofuran	BRL		µg/kg dry	424	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	424	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	424	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	424	1	"	"	"	"	X
91-94-1	3,3'-Dichlorobenzidine	BRL		µg/kg dry	424	1	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	BRL		µg/kg dry	424	1	"	"	"	"	X
84-66-2	Diethyl phthalate	BRL		µg/kg dry	424	1	"	"	"	"	X
131-11-3	Dimethyl phthalate	BRL		µg/kg dry	424	1	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	BRL		µg/kg dry	424	1	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	BRL		µg/kg dry	424	1	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	424	1	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	BRL		µg/kg dry	424	1	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	BRL		µg/kg dry	424	1	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	BRL		µg/kg dry	424	1	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	BRL		µg/kg dry	424	1	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	424	1	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	424	1	"	"	"	"	X
118-74-1	Hexachlorobenzene	BRL		µg/kg dry	424	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	424	1	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	BRL		µg/kg dry	424	1	"	"	"	"	X
67-72-1	Hexachloroethane	BRL		µg/kg dry	424	1	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	424	1	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	424	1	"	"	"	"	
78-59-1	Isophorone	BRL		µg/kg dry	424	1	"	"	"	"	X
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	424	1	"	"	"	"	X
95-48-7	2-Methylphenol	BRL		µg/kg dry	424	1	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	BRL		µg/kg dry	424	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	424	1	"	"	"	"	X
88-74-4	2-Nitroaniline	BRL		µg/kg dry	424	1	"	"	"	"	X
99-09-2	3-Nitroaniline	BRL		µg/kg dry	424	1	"	"	"	"	X
100-01-6	4-Nitroaniline	BRL		µg/kg dry	1700	1	"	"	"	"	X
98-95-3	Nitrobenzene	BRL		µg/kg dry	424	1	"	"	"	"	X
88-75-5	2-Nitrophenol	BRL		µg/kg dry	424	1	"	"	"	"	X
100-02-7	4-Nitrophenol	BRL		µg/kg dry	1700	1	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	BRL		µg/kg dry	424	1	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/kg dry	424	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C58 SA89379-02	127-17797-08011	Soil	30-Dec-08 09:30	31-Dec-08

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3545A											
86-30-6	N-Nitrosodiphenylamine	BRL		µg/kg dry	424	1	SW846 8270C	05-Jan-09	07-Jan-09	9010111	X
87-86-5	Pentachlorophenol	BRL		µg/kg dry	424	1	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	424	1	"	"	"	"	X
108-95-2	Phenol	BRL		µg/kg dry	424	1	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	424	1	"	"	"	"	X
110-86-1	Pyridine	BRL		µg/kg dry	424	1	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	424	1	"	"	"	"	X
95-95-4	2,4,5-Trichlorophenol	BRL		µg/kg dry	424	1	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	BRL		µg/kg dry	424	1	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	BRL		µg/kg dry	424	1	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	424	1	"	"	"	"	X
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*72*		*30-130 %*			"	"	"	"	
367-12-4	*2-Fluorophenol*	*81*		*15-110 %*			"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*69*		*30-130 %*			"	"	"	"	
4165-62-2	*Phenol-d5*	*70*		*15-110 %*			"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*89*		*30-130 %*			"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*79*		*15-110 %*			"	"	"	"	
Semivolatile Organic Compounds by GC											
Polychlorinated Biphenyls by SW846 8082											
Prepared by method SW846 3545A											
12674-11-2	PCB 1016	BRL		µg/kg dry	24.3	1	SW846 8082	05-Jan-09	06-Jan-09	9010110	X
11104-28-2	PCB 1221	BRL		µg/kg dry	24.3	1	"	"	"	"	X
11141-16-5	PCB 1232	BRL		µg/kg dry	24.3	1	"	"	"	"	X
53469-21-9	PCB 1242	BRL		µg/kg dry	24.3	1	"	"	"	"	X
12672-29-6	PCB 1248	BRL		µg/kg dry	24.3	1	"	"	"	"	X
11097-69-1	PCB 1254	BRL		µg/kg dry	24.3	1	"	"	"	"	X
11096-82-5	PCB 1260	BRL		µg/kg dry	24.3	1	"	"	"	"	X
37324-23-5	PCB 1262	BRL		µg/kg dry	24.3	1	"	"	"	"	X
11100-14-4	PCB 1268	BRL		µg/kg dry	24.3	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*85*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*102*		*30-150 %*			"	"	"	"	
Chlorinated Herbicides by SW846 8151A											
Prepared by method SW846 3550B											
93-76-5	2,4,5-T	BRL		µg/kg dry	6.70	1	SW846 8151A	05-Jan-09	08-Jan-09	9010153	X
93-72-1	2,4,5-TP (Silvex)	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-75-7	2,4-D	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-82-6	2,4-DB	BRL		µg/kg dry	6.70	1	"	"	"	"	X
75-99-0	Dalapon	BRL		µg/kg dry	6.70	1	"	"	"	"	X
1918-00-9	Dicamba	BRL		µg/kg dry	6.70	1	"	"	"	"	X
120-36-5	Dichlorprop	BRL		µg/kg dry	6.70	1	"	"	"	"	X
88-85-7	Dinoseb	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-74-6	MCPA	BRL		µg/kg dry	670	1	"	"	"	"	X
94-81-5	MCPB	BRL		µg/kg dry	670	1	"	"	"	"	
93-65-2	MCPP	BRL		µg/kg dry	670	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*104*		*30-150 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C58 SA89379-02	127-17797-08011	Soil	30-Dec-08 09:30	31-Dec-08

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3550B											
8006-61-9	Gasoline	BRL		mg/kg dry	17.1	1	+CT ETPH	05-Jan-09	07-Jan-09	9010112	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	17.1	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	17.1	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	17.1	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	17.1	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	17.1	1	"	"	"	"	
	Unidentified	BRL		mg/kg dry	17.1	1	"	"	"	"	
	Other Oil	BRL		mg/kg dry	17.1	1	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL		mg/kg dry	17.1	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	17.1	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*98*		*50-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	BRL		mg/kg dry	1.76	1	SW846 6010B	05-Jan-09	06-Jan-09	9010073	X
7440-38-2	Arsenic	2.16		mg/kg dry	1.76	1	"	"	"	"	X
7440-39-3	Barium	88.5		mg/kg dry	1.18	1	"	"	"	"	X
7440-43-9	Cadmium	BRL		mg/kg dry	0.588	1	"	"	"	"	X
7440-47-3	Chromium	21.0		mg/kg dry	1.18	1	"	"	"	"	X
7439-97-6	Mercury	BRL		mg/kg dry	0.0365	1	SW846 7471A	"	07-Jan-09	9010076	X
7439-92-1	Lead	7.40		mg/kg dry	1.76	1	SW846 6010B	"	06-Jan-09	9010073	X
7782-49-2	Selenium	2.99		mg/kg dry	1.76	1	"	"	"	"	X
General Chemistry Parameters											
	% Solids	77.4		%		1	SM2540 G Mod.	02-Jan-09	02-Jan-09	9010056	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C59 SA89379-03	127-17797-08011	Soil	30-Dec-08 10:00	31-Dec-08

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	02-Jan-09	02-Jan-09	9010078	
Volatile Organic Compounds						Initial weight: 5.67 g					
Prepared by method SW846 5035A Soil (low level)											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	7.6	1	SW846 8260B	05-Jan-09	06-Jan-09	9010159	X
67-64-1	Acetone	BRL		µg/kg dry	76.2	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	7.6	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	7.6	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	7.6	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	7.6	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	15.2	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	76.2	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	38.1	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	7.6	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	15.2	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	7.6	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	15.2	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	15.2	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	7.6	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	7.6	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	7.6	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	15.2	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	7.6	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	7.6	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	7.6	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	7.6	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	7.6	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	76.2	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	7.6	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	76.2	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	76.2	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	7.6	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C59	127-17797-08011	Soil	30-Dec-08 10:00	31-Dec-08
SA89379-03				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
Volatile Organic Compounds											
Prepared by method SW846 5035A Soil (low level)					Initial weight: 5.67 g						
103-65-1	n-Propylbenzene	BRL		µg/kg dry	7.6	1	SW846 8260B	05-Jan-09	06-Jan-09	9010159	X
100-42-5	Styrene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	7.6	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	7.6	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	7.6	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	7.6	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	7.6	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	7.6	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	7.6	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	7.6	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	7.6	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	15.2	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	76.2	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	7.6	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	7.6	1	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	7.6	1	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	7.6	1	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	76.2	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	152	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	38.1	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	3050	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*97*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*99*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*117*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*101*		*70-130 %*			"	"	"	"	
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3545A											
83-32-9	Acenaphthene	BRL		µg/kg dry	435	1	SW846 8270C	05-Jan-09	07-Jan-09	9010111	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	435	1	"	"	"	"	X
62-53-3	Aniline	BRL		µg/kg dry	435	1	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	435	1	"	"	"	"	X
1912-24-9	Atrazine	BRL		µg/kg dry	435	1	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/kg dry	435	1	"	"	"	"	
92-87-5	Benzidine	BRL		µg/kg dry	435	1	"	"	"	"	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	435	1	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	435	1	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	435	1	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	435	1	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	435	1	"	"	"	"	X
65-85-0	Benzoic acid	BRL		µg/kg dry	435	1	"	"	"	"	X
100-51-6	Benzyl alcohol	BRL		µg/kg dry	435	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C59 SA89379-03	127-17797-08011	Soil	30-Dec-08 10:00	31-Dec-08

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3545A											
111-91-1	Bis(2-chloroethoxy)methane	BRL		µg/kg dry	435	1	SW846 8270C	05-Jan-09	07-Jan-09	9010111	X
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/kg dry	435	1	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	435	1	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	435	1	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/kg dry	435	1	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	BRL		µg/kg dry	435	1	"	"	"	"	X
86-74-8	Carbazole	BRL		µg/kg dry	435	1	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	BRL		µg/kg dry	435	1	"	"	"	"	X
106-47-8	4-Chloroaniline	BRL		µg/kg dry	435	1	"	"	"	"	X
91-58-7	2-Chloronaphthalene	BRL		µg/kg dry	435	1	"	"	"	"	X
95-57-8	2-Chlorophenol	BRL		µg/kg dry	435	1	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/kg dry	435	1	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	435	1	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	435	1	"	"	"	"	X
132-64-9	Dibenzofuran	BRL		µg/kg dry	435	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	435	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	435	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	435	1	"	"	"	"	X
91-94-1	3,3'-Dichlorobenzidine	BRL		µg/kg dry	435	1	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	BRL		µg/kg dry	435	1	"	"	"	"	X
84-66-2	Diethyl phthalate	BRL		µg/kg dry	435	1	"	"	"	"	X
131-11-3	Dimethyl phthalate	BRL		µg/kg dry	435	1	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	BRL		µg/kg dry	435	1	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	BRL		µg/kg dry	435	1	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	435	1	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	BRL		µg/kg dry	435	1	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	BRL		µg/kg dry	435	1	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	BRL		µg/kg dry	435	1	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	BRL		µg/kg dry	435	1	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	435	1	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	435	1	"	"	"	"	X
118-74-1	Hexachlorobenzene	BRL		µg/kg dry	435	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	435	1	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	BRL		µg/kg dry	435	1	"	"	"	"	X
67-72-1	Hexachloroethane	BRL		µg/kg dry	435	1	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	435	1	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	435	1	"	"	"	"	
78-59-1	Isophorone	BRL		µg/kg dry	435	1	"	"	"	"	X
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	435	1	"	"	"	"	X
95-48-7	2-Methylphenol	BRL		µg/kg dry	435	1	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	BRL		µg/kg dry	435	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	435	1	"	"	"	"	X
88-74-4	2-Nitroaniline	BRL		µg/kg dry	435	1	"	"	"	"	X
99-09-2	3-Nitroaniline	BRL		µg/kg dry	435	1	"	"	"	"	X
100-01-6	4-Nitroaniline	BRL		µg/kg dry	1740	1	"	"	"	"	X
98-95-3	Nitrobenzene	BRL		µg/kg dry	435	1	"	"	"	"	X
88-75-5	2-Nitrophenol	BRL		µg/kg dry	435	1	"	"	"	"	X
100-02-7	4-Nitrophenol	BRL		µg/kg dry	1740	1	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	BRL		µg/kg dry	435	1	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/kg dry	435	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C59	127-17797-08011	Soil	30-Dec-08 10:00	31-Dec-08
SA89379-03				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3545A											
86-30-6	N-Nitrosodiphenylamine	BRL		µg/kg dry	435	1	SW846 8270C	05-Jan-09	07-Jan-09	9010111	X
87-86-5	Pentachlorophenol	BRL		µg/kg dry	435	1	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	435	1	"	"	"	"	X
108-95-2	Phenol	BRL		µg/kg dry	435	1	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	435	1	"	"	"	"	X
110-86-1	Pyridine	BRL		µg/kg dry	435	1	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	435	1	"	"	"	"	X
95-95-4	2,4,5-Trichlorophenol	BRL		µg/kg dry	435	1	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	BRL		µg/kg dry	435	1	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	BRL		µg/kg dry	435	1	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	435	1	"	"	"	"	X
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*78*		*30-130 %*			"	"	"	"	
367-12-4	*2-Fluorophenol*	*85*		*15-110 %*			"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*74*		*30-130 %*			"	"	"	"	
4165-62-2	*Phenol-d5*	*77*		*15-110 %*			"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*98*		*30-130 %*			"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*88*		*15-110 %*			"	"	"	"	
Semivolatile Organic Compounds by GC											
Polychlorinated Biphenyls by SW846 8082											
Prepared by method SW846 3545A											
12674-11-2	PCB 1016	BRL		µg/kg dry	25.0	1	SW846 8082	05-Jan-09	06-Jan-09	9010110	X
11104-28-2	PCB 1221	BRL		µg/kg dry	25.0	1	"	"	"	"	X
11141-16-5	PCB 1232	BRL		µg/kg dry	25.0	1	"	"	"	"	X
53469-21-9	PCB 1242	BRL		µg/kg dry	25.0	1	"	"	"	"	X
12672-29-6	PCB 1248	BRL		µg/kg dry	25.0	1	"	"	"	"	X
11097-69-1	PCB 1254	BRL		µg/kg dry	25.0	1	"	"	"	"	X
11096-82-5	PCB 1260	BRL		µg/kg dry	25.0	1	"	"	"	"	X
37324-23-5	PCB 1262	BRL		µg/kg dry	25.0	1	"	"	"	"	X
11100-14-4	PCB 1268	BRL		µg/kg dry	25.0	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*82*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*96*		*30-150 %*			"	"	"	"	
Chlorinated Herbicides by SW846 8151A											
Prepared by method SW846 3550B											
93-76-5	2,4,5-T	BRL		µg/kg dry	6.70	1	SW846 8151A	05-Jan-09	08-Jan-09	9010153	X
93-72-1	2,4,5-TP (Silvex)	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-75-7	2,4-D	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-82-6	2,4-DB	BRL		µg/kg dry	6.70	1	"	"	"	"	X
75-99-0	Dalapon	BRL		µg/kg dry	6.70	1	"	"	"	"	X
1918-00-9	Dicamba	BRL		µg/kg dry	6.70	1	"	"	"	"	X
120-36-5	Dichlorprop	BRL		µg/kg dry	6.70	1	"	"	"	"	X
88-85-7	Dinoseb	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-74-6	MCPA	BRL		µg/kg dry	670	1	"	"	"	"	X
94-81-5	MCPB	BRL		µg/kg dry	670	1	"	"	"	"	
93-65-2	MCPP	BRL		µg/kg dry	670	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*104*		*30-150 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C59 SA89379-03	127-17797-08011	Soil	30-Dec-08 10:00	31-Dec-08

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3550B											
8006-61-9	Gasoline	BRL		mg/kg dry	17.5	1	+CT ETPH	05-Jan-09	07-Jan-09	9010112	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	17.5	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	17.5	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	17.5	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	17.5	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	17.5	1	"	"	"	"	
	Unidentified	BRL		mg/kg dry	17.5	1	"	"	"	"	
	Other Oil	BRL		mg/kg dry	17.5	1	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL		mg/kg dry	17.5	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	17.5	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*100*		*50-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	BRL		mg/kg dry	1.99	1	SW846 6010B	05-Jan-09	06-Jan-09	9010073	X
7440-38-2	Arsenic	2.02		mg/kg dry	1.99	1	"	"	"	"	X
7440-39-3	Barium	69.2		mg/kg dry	1.33	1	"	"	"	"	X
7440-43-9	Cadmium	BRL		mg/kg dry	0.664	1	"	"	"	"	X
7440-47-3	Chromium	16.0		mg/kg dry	1.33	1	"	"	"	"	X
7439-97-6	Mercury	BRL		mg/kg dry	0.0373	1	SW846 7471A	"	07-Jan-09	9010076	X
7439-92-1	Lead	11.9		mg/kg dry	1.99	1	SW846 6010B	"	06-Jan-09	9010073	X
7782-49-2	Selenium	3.00		mg/kg dry	1.99	1	"	"	"	"	X
General Chemistry Parameters											
	% Solids	74.6		%		1	SM2540 G Mod.	02-Jan-09	02-Jan-09	9010056	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C50 SA89379-04	127-17797-08011	Soil	30-Dec-08 11:20	31-Dec-08

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	02-Jan-09	02-Jan-09	9010078	
Volatile Organic Compounds											
Prepared by method SW846 5035A Soil (low level)						Initial weight: 4.61 g					
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	6.8	1	SW846 8260B	05-Jan-09	06-Jan-09	9010159	X
67-64-1	Acetone	BRL		µg/kg dry	68.3	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	6.8	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	6.8	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	6.8	1	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	6.8	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	6.8	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	6.8	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	13.7	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	68.3	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	6.8	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	6.8	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	6.8	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	34.2	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	6.8	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	6.8	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	13.7	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	6.8	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	13.7	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	6.8	1	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	6.8	1	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	13.7	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	6.8	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	6.8	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	6.8	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	6.8	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	6.8	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	6.8	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	13.7	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	6.8	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	6.8	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	6.8	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	6.8	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	6.8	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	6.8	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	6.8	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	6.8	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	6.8	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	6.8	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	6.8	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	6.8	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	6.8	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	68.3	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	6.8	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	6.8	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	6.8	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	68.3	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	68.3	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	6.8	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C50 SA89379-04	127-17797-08011	Soil	30-Dec-08 11:20	31-Dec-08

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
Volatile Organic Compounds						Initial weight: 4.61 g					
Prepared by method SW846 5035A Soil (low level)											
103-65-1	n-Propylbenzene	BRL		µg/kg dry	6.8	1	SW846 8260B	05-Jan-09	06-Jan-09	9010159	X
100-42-5	Styrene	BRL		µg/kg dry	6.8	1	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	6.8	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	6.8	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	6.8	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	6.8	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	6.8	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	6.8	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	6.8	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	6.8	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	6.8	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	6.8	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	6.8	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	6.8	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	6.8	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	6.8	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	6.8	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	13.7	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	6.8	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	68.3	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	6.8	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	6.8	1	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	6.8	1	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	6.8	1	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	68.3	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	137	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	34.2	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	2730	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*90*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*92*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*114*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*99*		*70-130 %*			"	"	"	"	
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3545A											
83-32-9	Acenaphthene	BRL		µg/kg dry	369	1	SW846 8270C	05-Jan-09	07-Jan-09	9010111	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	369	1	"	"	"	"	X
62-53-3	Aniline	BRL		µg/kg dry	369	1	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	369	1	"	"	"	"	X
1912-24-9	Atrazine	BRL		µg/kg dry	369	1	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/kg dry	369	1	"	"	"	"	
92-87-5	Benzidine	BRL		µg/kg dry	369	1	"	"	"	"	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	369	1	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	369	1	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	369	1	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	369	1	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	369	1	"	"	"	"	X
65-85-0	Benzoic acid	BRL		µg/kg dry	369	1	"	"	"	"	X
100-51-6	Benzyl alcohol	BRL		µg/kg dry	369	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C50 SA89379-04	127-17797-08011	Soil	30-Dec-08 11:20	31-Dec-08

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3545A											
111-91-1	Bis(2-chloroethoxy)methane	BRL		µg/kg dry	369	1	SW846 8270C	05-Jan-09	07-Jan-09	9010111	X
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/kg dry	369	1	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	369	1	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	369	1	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/kg dry	369	1	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	BRL		µg/kg dry	369	1	"	"	"	"	X
86-74-8	Carbazole	BRL		µg/kg dry	369	1	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	BRL		µg/kg dry	369	1	"	"	"	"	X
106-47-8	4-Chloroaniline	BRL		µg/kg dry	369	1	"	"	"	"	X
91-58-7	2-Chloronaphthalene	BRL		µg/kg dry	369	1	"	"	"	"	X
95-57-8	2-Chlorophenol	BRL		µg/kg dry	369	1	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/kg dry	369	1	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	369	1	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	369	1	"	"	"	"	X
132-64-9	Dibenzofuran	BRL		µg/kg dry	369	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	369	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	369	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	369	1	"	"	"	"	X
91-94-1	3,3'-Dichlorobenzidine	BRL		µg/kg dry	369	1	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	BRL		µg/kg dry	369	1	"	"	"	"	X
84-66-2	Diethyl phthalate	BRL		µg/kg dry	369	1	"	"	"	"	X
131-11-3	Dimethyl phthalate	BRL		µg/kg dry	369	1	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	BRL		µg/kg dry	369	1	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	BRL		µg/kg dry	369	1	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	369	1	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	BRL		µg/kg dry	369	1	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	BRL		µg/kg dry	369	1	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	BRL		µg/kg dry	369	1	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	BRL		µg/kg dry	369	1	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	369	1	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	369	1	"	"	"	"	X
118-74-1	Hexachlorobenzene	BRL		µg/kg dry	369	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	369	1	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	BRL		µg/kg dry	369	1	"	"	"	"	X
67-72-1	Hexachloroethane	BRL		µg/kg dry	369	1	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	369	1	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	369	1	"	"	"	"	
78-59-1	Isophorone	BRL		µg/kg dry	369	1	"	"	"	"	X
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	369	1	"	"	"	"	X
95-48-7	2-Methylphenol	BRL		µg/kg dry	369	1	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	BRL		µg/kg dry	369	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	369	1	"	"	"	"	X
88-74-4	2-Nitroaniline	BRL		µg/kg dry	369	1	"	"	"	"	X
99-09-2	3-Nitroaniline	BRL		µg/kg dry	369	1	"	"	"	"	X
100-01-6	4-Nitroaniline	BRL		µg/kg dry	1480	1	"	"	"	"	X
98-95-3	Nitrobenzene	BRL		µg/kg dry	369	1	"	"	"	"	X
88-75-5	2-Nitrophenol	BRL		µg/kg dry	369	1	"	"	"	"	X
100-02-7	4-Nitrophenol	BRL		µg/kg dry	1480	1	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	BRL		µg/kg dry	369	1	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/kg dry	369	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C50 SA89379-04	127-17797-08011	Soil	30-Dec-08 11:20	31-Dec-08

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3545A											
86-30-6	N-Nitrosodiphenylamine	BRL		µg/kg dry	369	1	SW846 8270C	05-Jan-09	07-Jan-09	9010111	X
87-86-5	Pentachlorophenol	BRL		µg/kg dry	369	1	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	369	1	"	"	"	"	X
108-95-2	Phenol	BRL		µg/kg dry	369	1	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	369	1	"	"	"	"	X
110-86-1	Pyridine	BRL		µg/kg dry	369	1	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	369	1	"	"	"	"	X
95-95-4	2,4,5-Trichlorophenol	BRL		µg/kg dry	369	1	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	BRL		µg/kg dry	369	1	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	BRL		µg/kg dry	369	1	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	369	1	"	"	"	"	X
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*68*		*30-130 %*			"	"	"	"	
367-12-4	*2-Fluorophenol*	*75*		*15-110 %*			"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*64*		*30-130 %*			"	"	"	"	
4165-62-2	*Phenol-d5*	*66*		*15-110 %*			"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*86*		*30-130 %*			"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*74*		*15-110 %*			"	"	"	"	
Semivolatile Organic Compounds by GC											
Polychlorinated Biphenyls by SW846 8082											
Prepared by method SW846 3545A											
12674-11-2	PCB 1016	BRL		µg/kg dry	21.4	1	SW846 8082	05-Jan-09	06-Jan-09	9010110	X
11104-28-2	PCB 1221	BRL		µg/kg dry	21.4	1	"	"	"	"	X
11141-16-5	PCB 1232	BRL		µg/kg dry	21.4	1	"	"	"	"	X
53469-21-9	PCB 1242	BRL		µg/kg dry	21.4	1	"	"	"	"	X
12672-29-6	PCB 1248	BRL		µg/kg dry	21.4	1	"	"	"	"	X
11097-69-1	PCB 1254	BRL		µg/kg dry	21.4	1	"	"	"	"	X
11096-82-5	PCB 1260	BRL		µg/kg dry	21.4	1	"	"	"	"	X
37324-23-5	PCB 1262	BRL		µg/kg dry	21.4	1	"	"	"	"	X
11100-14-4	PCB 1268	BRL		µg/kg dry	21.4	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*82*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*97*		*30-150 %*			"	"	"	"	
Chlorinated Herbicides by SW846 8151A											
Prepared by method SW846 3550B											
93-76-5	2,4,5-T	BRL		µg/kg dry	6.70	1	SW846 8151A	05-Jan-09	08-Jan-09	9010153	X
93-72-1	2,4,5-TP (Silvex)	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-75-7	2,4-D	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-82-6	2,4-DB	BRL		µg/kg dry	6.70	1	"	"	"	"	X
75-99-0	Dalapon	BRL		µg/kg dry	6.70	1	"	"	"	"	X
1918-00-9	Dicamba	BRL		µg/kg dry	6.70	1	"	"	"	"	X
120-36-5	Dichlorprop	BRL		µg/kg dry	6.70	1	"	"	"	"	X
88-85-7	Dinoseb	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-74-6	MCPA	BRL		µg/kg dry	670	1	"	"	"	"	X
94-81-5	MCPB	BRL		µg/kg dry	670	1	"	"	"	"	
93-65-2	MCPP	BRL		µg/kg dry	670	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*95*		*30-150 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C50	127-17797-08011	Soil	30-Dec-08 11:20	31-Dec-08
SA89379-04				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3550B											
8006-61-9	Gasoline	BRL		mg/kg dry	14.9	1	+CT ETPH	05-Jan-09	07-Jan-09	9010112	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	14.9	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	14.9	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	14.9	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	14.9	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	14.9	1	"	"	"	"	
	Unidentified	BRL		mg/kg dry	14.9	1	"	"	"	"	
	Other Oil	BRL		mg/kg dry	14.9	1	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL		mg/kg dry	14.9	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	14.9	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*85*		*50-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	BRL		mg/kg dry	1.46	1	SW846 6010B	05-Jan-09	06-Jan-09	9010073	X
7440-38-2	Arsenic	BRL		mg/kg dry	1.46	1	"	"	"	"	X
7440-39-3	Barium	73.8		mg/kg dry	0.974	1	"	"	"	"	X
7440-43-9	Cadmium	BRL		mg/kg dry	0.487	1	"	"	"	"	X
7440-47-3	Chromium	16.4		mg/kg dry	0.974	1	"	"	"	"	X
7439-97-6	Mercury	BRL		mg/kg dry	0.0317	1	SW846 7471A	"	07-Jan-09	9010076	X
7439-92-1	Lead	5.84		mg/kg dry	1.46	1	SW846 6010B	"	06-Jan-09	9010073	X
7782-49-2	Selenium	2.42		mg/kg dry	1.46	1	"	"	"	"	X
General Chemistry Parameters											
	% Solids	88.1		%		1	SM2540 G Mod.	02-Jan-09	02-Jan-09	9010056	

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010159 - SW846 5035A Soil (low level)										
Blank (9010159-BLK1)										
Prepared & Analyzed: 05-Jan-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg wet	5.0						
Acetone	BRL		µg/kg wet	50.0						
Acrylonitrile	BRL		µg/kg wet	5.0						
Benzene	BRL		µg/kg wet	5.0						
Bromobenzene	BRL		µg/kg wet	5.0						
Bromochloromethane	BRL		µg/kg wet	5.0						
Bromodichloromethane	BRL		µg/kg wet	5.0						
Bromoform	BRL		µg/kg wet	5.0						
Bromomethane	BRL		µg/kg wet	10.0						
2-Butanone (MEK)	BRL		µg/kg wet	50.0						
n-Butylbenzene	BRL		µg/kg wet	5.0						
sec-Butylbenzene	BRL		µg/kg wet	5.0						
tert-Butylbenzene	BRL		µg/kg wet	5.0						
Carbon disulfide	BRL		µg/kg wet	25.0						
Carbon tetrachloride	BRL		µg/kg wet	5.0						
Chlorobenzene	BRL		µg/kg wet	5.0						
Chloroethane	BRL		µg/kg wet	10.0						
Chloroform	BRL		µg/kg wet	5.0						
Chloromethane	BRL		µg/kg wet	10.0						
2-Chlorotoluene	BRL		µg/kg wet	5.0						
4-Chlorotoluene	BRL		µg/kg wet	5.0						
1,2-Dibromo-3-chloropropane	BRL		µg/kg wet	10.0						
Dibromochloromethane	BRL		µg/kg wet	5.0						
1,2-Dibromoethane (EDB)	BRL		µg/kg wet	5.0						
Dibromomethane	BRL		µg/kg wet	5.0						
1,2-Dichlorobenzene	BRL		µg/kg wet	5.0						
1,3-Dichlorobenzene	BRL		µg/kg wet	5.0						
1,4-Dichlorobenzene	BRL		µg/kg wet	5.0						
Dichlorodifluoromethane (Freon12)	BRL		µg/kg wet	10.0						
1,1-Dichloroethane	BRL		µg/kg wet	5.0						
1,2-Dichloroethane	BRL		µg/kg wet	5.0						
1,1-Dichloroethene	BRL		µg/kg wet	5.0						
cis-1,2-Dichloroethene	BRL		µg/kg wet	5.0						
trans-1,2-Dichloroethene	BRL		µg/kg wet	5.0						
1,2-Dichloropropane	BRL		µg/kg wet	5.0						
1,3-Dichloropropane	BRL		µg/kg wet	5.0						
2,2-Dichloropropane	BRL		µg/kg wet	5.0						
1,1-Dichloropropene	BRL		µg/kg wet	5.0						
cis-1,3-Dichloropropene	BRL		µg/kg wet	5.0						
trans-1,3-Dichloropropene	BRL		µg/kg wet	5.0						
Ethylbenzene	BRL		µg/kg wet	5.0						
Hexachlorobutadiene	BRL		µg/kg wet	5.0						
2-Hexanone (MBK)	BRL		µg/kg wet	50.0						
Isopropylbenzene	BRL		µg/kg wet	5.0						
4-Isopropyltoluene	BRL		µg/kg wet	5.0						
Methyl tert-butyl ether	BRL		µg/kg wet	5.0						
4-Methyl-2-pentanone (MIBK)	BRL		µg/kg wet	50.0						
Methylene chloride	BRL		µg/kg wet	50.0						
Naphthalene	BRL		µg/kg wet	5.0						

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010159 - SW846 5035A Soil (low level)										
Blank (9010159-BLK1)										
Prepared & Analyzed: 05-Jan-09										
n-Propylbenzene	BRL		µg/kg wet	5.0						
Styrene	BRL		µg/kg wet	5.0						
1,1,1,2-Tetrachloroethane	BRL		µg/kg wet	5.0						
1,1,2,2-Tetrachloroethane	BRL		µg/kg wet	5.0						
Tetrachloroethene	BRL		µg/kg wet	5.0						
Toluene	BRL		µg/kg wet	5.0						
1,2,3-Trichlorobenzene	BRL		µg/kg wet	5.0						
1,2,4-Trichlorobenzene	BRL		µg/kg wet	5.0						
1,3,5-Trichlorobenzene	BRL		µg/kg wet	5.0						
1,1,1-Trichloroethane	BRL		µg/kg wet	5.0						
1,1,2-Trichloroethane	BRL		µg/kg wet	5.0						
Trichloroethene	BRL		µg/kg wet	5.0						
Trichlorofluoromethane (Freon 11)	BRL		µg/kg wet	5.0						
1,2,3-Trichloropropane	BRL		µg/kg wet	5.0						
1,2,4-Trimethylbenzene	BRL		µg/kg wet	5.0						
1,3,5-Trimethylbenzene	BRL		µg/kg wet	5.0						
Vinyl chloride	BRL		µg/kg wet	5.0						
m,p-Xylene	BRL		µg/kg wet	10.0						
o-Xylene	BRL		µg/kg wet	5.0						
Tetrahydrofuran	BRL		µg/kg wet	50.0						
Ethyl ether	BRL		µg/kg wet	5.0						
Tert-amyl methyl ether	BRL		µg/kg wet	5.0						
Ethyl tert-butyl ether	BRL		µg/kg wet	5.0						
Di-isopropyl ether	BRL		µg/kg wet	5.0						
Tert-Butanol / butyl alcohol	BRL		µg/kg wet	50.0						
1,4-Dioxane	BRL		µg/kg wet	100						
trans-1,4-Dichloro-2-butene	BRL		µg/kg wet	25.0						
Ethanol	BRL		µg/kg wet	2000						
Surrogate: 4-Bromofluorobenzene	*48.1*		µg/kg wet		*50.0*		*96*	*70-130*		
Surrogate: Toluene-d8	*48.0*		µg/kg wet		*50.0*		*96*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*56.7*		µg/kg wet		*50.0*		*113*	*70-130*		
Surrogate: Dibromofluoromethane	*49.2*		µg/kg wet		*50.0*		*98*	*70-130*		
LCS (9010159-BS1)										
Prepared & Analyzed: 05-Jan-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	18.6		µg/kg wet		20.0		93	70-130		
Acetone	13.9		µg/kg wet		20.0		70	7.9-168		
Acrylonitrile	17.2		µg/kg wet		20.0		86	70-130		
Benzene	22.0		µg/kg wet		20.0		110	70-130		
Bromobenzene	18.7		µg/kg wet		20.0		94	70-130		
Bromochloromethane	18.5		µg/kg wet		20.0		92	70-130		
Bromodichloromethane	21.1		µg/kg wet		20.0		106	70-130		
Bromoform	19.5		µg/kg wet		20.0		98	70-130		
Bromomethane	18.1		µg/kg wet		20.0		91	50-134		
2-Butanone (MEK)	16.6		µg/kg wet		20.0		83	44.6-130		
n-Butylbenzene	21.6		µg/kg wet		20.0		108	70-130		
sec-Butylbenzene	19.4		µg/kg wet		20.0		97	70-130		
tert-Butylbenzene	19.2		µg/kg wet		20.0		96	70-130		
Carbon disulfide	23.2		µg/kg wet		20.0		116	70-130		
Carbon tetrachloride	20.2		µg/kg wet		20.0		101	70-130		
Chlorobenzene	19.7		µg/kg wet		20.0		99	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010159 - SW846 5035A Soil (low level)										
LCS (9010159-BS1)										
Prepared & Analyzed: 05-Jan-09										
Chloroethane	18.7		µg/kg wet		20.0		94	59.2-130		
Chloroform	19.4		µg/kg wet		20.0		97	70-130		
Chloromethane	16.9		µg/kg wet		20.0		84	70-130		
2-Chlorotoluene	20.8		µg/kg wet		20.0		104	70-130		
4-Chlorotoluene	19.6		µg/kg wet		20.0		98	70-130		
1,2-Dibromo-3-chloropropane	20.6		µg/kg wet		20.0		103	70-130		
Dibromochloromethane	19.4		µg/kg wet		20.0		97	63.8-130		
1,2-Dibromoethane (EDB)	19.3		µg/kg wet		20.0		96	70-130		
Dibromomethane	19.3		µg/kg wet		20.0		96	70-130		
1,2-Dichlorobenzene	20.1		µg/kg wet		20.0		100	70-130		
1,3-Dichlorobenzene	18.7		µg/kg wet		20.0		93	70-130		
1,4-Dichlorobenzene	20.0		µg/kg wet		20.0		100	70-130		
Dichlorodifluoromethane (Freon12)	16.2		µg/kg wet		20.0		81	41.8-130		
1,1-Dichloroethane	19.9		µg/kg wet		20.0		100	70-130		
1,2-Dichloroethane	19.0		µg/kg wet		20.0		95	70-130		
1,1-Dichloroethene	21.7		µg/kg wet		20.0		108	70-130		
cis-1,2-Dichloroethene	20.6		µg/kg wet		20.0		103	70-130		
trans-1,2-Dichloroethene	19.9		µg/kg wet		20.0		99	70-130		
1,2-Dichloropropane	20.8		µg/kg wet		20.0		104	70-130		
1,3-Dichloropropane	18.7		µg/kg wet		20.0		93	70-130		
2,2-Dichloropropane	20.0		µg/kg wet		20.0		100	70-130		
1,1-Dichloropropene	20.4		µg/kg wet		20.0		102	70-130		
cis-1,3-Dichloropropene	19.6		µg/kg wet		20.0		98	70-130		
trans-1,3-Dichloropropene	20.6		µg/kg wet		20.0		103	70-130		
Ethylbenzene	20.5		µg/kg wet		20.0		102	70-130		
Hexachlorobutadiene	18.6		µg/kg wet		20.0		93	68.3-130		
2-Hexanone (MBK)	16.7		µg/kg wet		20.0		83	70-130		
Isopropylbenzene	19.4		µg/kg wet		20.0		97	70-130		
4-Isopropyltoluene	21.0		µg/kg wet		20.0		105	70-130		
Methyl tert-butyl ether	20.6		µg/kg wet		20.0		103	70-130		
4-Methyl-2-pentanone (MIBK)	15.2		µg/kg wet		20.0		76	53.1-132		
Methylene chloride	19.9		µg/kg wet		20.0		100	70-130		
Naphthalene	18.3		µg/kg wet		20.0		91	70-130		
n-Propylbenzene	19.6		µg/kg wet		20.0		98	70-130		
Styrene	20.1		µg/kg wet		20.0		101	70-130		
1,1,1,2-Tetrachloroethane	19.7		µg/kg wet		20.0		98	70-130		
1,1,2,2-Tetrachloroethane	19.3		µg/kg wet		20.0		96	70-130		
Tetrachloroethene	18.8		µg/kg wet		20.0		94	70-130		
Toluene	18.0		µg/kg wet		20.0		90	70-130		
1,2,3-Trichlorobenzene	19.0		µg/kg wet		20.0		95	70-130		
1,2,4-Trichlorobenzene	18.8		µg/kg wet		20.0		94	70-130		
1,3,5-Trichlorobenzene	19.6		µg/kg wet		20.0		98	70-130		
1,1,1-Trichloroethane	20.4		µg/kg wet		20.0		102	70-130		
1,1,2-Trichloroethane	19.2		µg/kg wet		20.0		96	70-130		
Trichloroethene	19.8		µg/kg wet		20.0		99	70-130		
Trichlorofluoromethane (Freon 11)	20.9		µg/kg wet		20.0		104	68.2-130		
1,2,3-Trichloropropane	18.7		µg/kg wet		20.0		94	70-130		
1,2,4-Trimethylbenzene	19.6		µg/kg wet		20.0		98	70-130		
1,3,5-Trimethylbenzene	19.8		µg/kg wet		20.0		99	70-130		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010159 - SW846 5035A Soil (low level)										
LCS (9010159-BS1)										
Prepared & Analyzed: 05-Jan-09										
Vinyl chloride	19.5		µg/kg wet		20.0		97	70-130		
m,p-Xylene	41.6		µg/kg wet		40.0		104	70-130		
o-Xylene	20.2		µg/kg wet		20.0		101	70-130		
Tetrahydrofuran	17.5		µg/kg wet		20.0		87	70-130		
Ethyl ether	22.6		µg/kg wet		20.0		113	70-130		
Tert-amyl methyl ether	18.2		µg/kg wet		20.0		91	70-130		
Ethyl tert-butyl ether	20.5		µg/kg wet		20.0		102	70-130		
Di-isopropyl ether	20.3		µg/kg wet		20.0		101	70-130		
Tert-Butanol / butyl alcohol	202		µg/kg wet		200		101	70-130		
1,4-Dioxane	168		µg/kg wet		200		84	48.7-130		
trans-1,4-Dichloro-2-butene	20.4		µg/kg wet		20.0		102	70-130		
Ethanol	368		µg/kg wet		400		92	70-130		
Surrogate: 4-Bromofluorobenzene	*49.0*		µg/kg wet		*50.0*		*98*	*70-130*		
Surrogate: Toluene-d8	*47.5*		µg/kg wet		*50.0*		*95*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*46.1*		µg/kg wet		*50.0*		*92*	*70-130*		
Surrogate: Dibromofluoromethane	*46.0*		µg/kg wet		*50.0*		*92*	*70-130*		
LCS Dup (9010159-BSD1)										
Prepared & Analyzed: 05-Jan-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	18.6		µg/kg wet		20.0		93	70-130	0.3	25
Acetone	9.2		µg/kg wet		20.0		46	7.9-168	41	50
Acrylonitrile	15.8		µg/kg wet		20.0		79	70-130	9	25
Benzene	20.8		µg/kg wet		20.0		104	70-130	6	25
Bromobenzene	17.1		µg/kg wet		20.0		85	70-130	9	25
Bromochloromethane	16.0		µg/kg wet		20.0		80	70-130	15	25
Bromodichloromethane	20.3		µg/kg wet		20.0		102	70-130	4	25
Bromoform	19.0		µg/kg wet		20.0		95	70-130	3	25
Bromomethane	14.2		µg/kg wet		20.0		71	50-134	24	50
2-Butanone (MEK)	14.2		µg/kg wet		20.0		71	44.6-130	16	50
n-Butylbenzene	19.9		µg/kg wet		20.0		99	70-130	8	25
sec-Butylbenzene	16.9		µg/kg wet		20.0		84	70-130	14	25
tert-Butylbenzene	16.7		µg/kg wet		20.0		84	70-130	14	25
Carbon disulfide	20.0		µg/kg wet		20.0		100	70-130	15	25
Carbon tetrachloride	20.4		µg/kg wet		20.0		102	70-130	1	25
Chlorobenzene	19.5		µg/kg wet		20.0		97	70-130	1	25
Chloroethane	14.5		µg/kg wet		20.0		73	59.2-130	25	50
Chloroform	18.4		µg/kg wet		20.0		92	70-130	5	25
Chloromethane	12.8	QC1	µg/kg wet		20.0		64	70-130	28	25
2-Chlorotoluene	18.5		µg/kg wet		20.0		93	70-130	11	25
4-Chlorotoluene	17.5		µg/kg wet		20.0		87	70-130	11	25
1,2-Dibromo-3-chloropropane	18.2		µg/kg wet		20.0		91	70-130	12	25
Dibromochloromethane	17.9		µg/kg wet		20.0		89	63.8-130	8	50
1,2-Dibromoethane (EDB)	17.0		µg/kg wet		20.0		85	70-130	12	25
Dibromomethane	16.5		µg/kg wet		20.0		82	70-130	16	25
1,2-Dichlorobenzene	18.7		µg/kg wet		20.0		94	70-130	7	25
1,3-Dichlorobenzene	16.1		µg/kg wet		20.0		81	70-130	15	25
1,4-Dichlorobenzene	19.0		µg/kg wet		20.0		95	70-130	5	25
Dichlorodifluoromethane (Freon12)	12.7		µg/kg wet		20.0		64	41.8-130	24	50
1,1-Dichloroethane	19.5		µg/kg wet		20.0		97	70-130	2	25
1,2-Dichloroethane	18.2		µg/kg wet		20.0		91	70-130	4	25
1,1-Dichloroethene	19.3		µg/kg wet		20.0		96	70-130	12	25

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010159 - SW846 5035A Soil (low level)										
LCS Dup (9010159-BSD1)										
Prepared & Analyzed: 05-Jan-09										
cis-1,2-Dichloroethene	19.2		µg/kg wet		20.0		96	70-130	7	25
trans-1,2-Dichloroethene	20.3		µg/kg wet		20.0		102	70-130	2	25
1,2-Dichloropropane	20.3		µg/kg wet		20.0		102	70-130	3	25
1,3-Dichloropropane	17.4		µg/kg wet		20.0		87	70-130	7	25
2,2-Dichloropropane	19.1		µg/kg wet		20.0		95	70-130	5	25
1,1-Dichloropropene	20.3		µg/kg wet		20.0		102	70-130	0.2	25
cis-1,3-Dichloropropene	18.8		µg/kg wet		20.0		94	70-130	4	25
trans-1,3-Dichloropropene	18.5		µg/kg wet		20.0		92	70-130	10	25
Ethylbenzene	19.7		µg/kg wet		20.0		99	70-130	4	25
Hexachlorobutadiene	17.4		µg/kg wet		20.0		87	68.3-130	7	50
2-Hexanone (MBK)	14.2		µg/kg wet		20.0		71	70-130	16	25
Isopropylbenzene	18.0		µg/kg wet		20.0		90	70-130	8	25
4-Isopropyltoluene	19.9		µg/kg wet		20.0		99	70-130	5	25
Methyl tert-butyl ether	20.3		µg/kg wet		20.0		102	70-130	1	25
4-Methyl-2-pentanone (MIBK)	12.8		µg/kg wet		20.0		64	53.1-132	17	50
Methylene chloride	16.0		µg/kg wet		20.0		80	70-130	22	25
Naphthalene	16.2		µg/kg wet		20.0		81	70-130	12	25
n-Propylbenzene	17.9		µg/kg wet		20.0		90	70-130	9	25
Styrene	18.6		µg/kg wet		20.0		93	70-130	8	25
1,1,1,2-Tetrachloroethane	20.2		µg/kg wet		20.0		101	70-130	2	25
1,1,2,2-Tetrachloroethane	17.2		µg/kg wet		20.0		86	70-130	11	25
Tetrachloroethene	17.3		µg/kg wet		20.0		86	70-130	8	25
Toluene	16.6		µg/kg wet		20.0		83	70-130	8	25
1,2,3-Trichlorobenzene	16.9		µg/kg wet		20.0		84	70-130	12	25
1,2,4-Trichlorobenzene	16.3		µg/kg wet		20.0		82	70-130	14	25
1,3,5-Trichlorobenzene	17.6		µg/kg wet		20.0		88	70-130	10	25
1,1,1-Trichloroethane	20.5		µg/kg wet		20.0		102	70-130	0.3	25
1,1,2-Trichloroethane	17.4		µg/kg wet		20.0		87	70-130	10	25
Trichloroethene	19.1		µg/kg wet		20.0		96	70-130	3	25
Trichlorofluoromethane (Freon 11)	17.0		µg/kg wet		20.0		85	68.2-130	20	50
1,2,3-Trichloropropane	16.6		µg/kg wet		20.0		83	70-130	12	25
1,2,4-Trimethylbenzene	17.7		µg/kg wet		20.0		88	70-130	10	25
1,3,5-Trimethylbenzene	17.8		µg/kg wet		20.0		89	70-130	11	25
Vinyl chloride	15.0	QR2	µg/kg wet		20.0		75	70-130	26	25
m,p-Xylene	38.2		µg/kg wet		40.0		95	70-130	9	25
o-Xylene	18.5		µg/kg wet		20.0		92	70-130	9	25
Tetrahydrofuran	16.1		µg/kg wet		20.0		80	70-130	8	25
Ethyl ether	21.3		µg/kg wet		20.0		106	70-130	6	50
Tert-amyl methyl ether	17.0		µg/kg wet		20.0		85	70-130	7	25
Ethyl tert-butyl ether	21.2		µg/kg wet		20.0		106	70-130	3	25
Di-isopropyl ether	20.9		µg/kg wet		20.0		105	70-130	3	25
Tert-Butanol / butyl alcohol	168		µg/kg wet		200		84	70-130	18	25
1,4-Dioxane	145		µg/kg wet		200		72	48.7-130	15	25
trans-1,4-Dichloro-2-butene	18.7		µg/kg wet		20.0		93	70-130	9	25
Ethanol	277	QC1	µg/kg wet		400		69	70-130	28	30
Surrogate: 4-Bromofluorobenzene	*46.1*		µg/kg wet		*50.0*		*92*	*70-130*		
Surrogate: Toluene-d8	*45.5*		µg/kg wet		*50.0*		*91*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*46.3*		µg/kg wet		*50.0*		*93*	*70-130*		
Surrogate: Dibromofluoromethane	*47.7*		µg/kg wet		*50.0*		*95*	*70-130*		

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010111 - SW846 3545A										
Blank (9010111-BLK1)										
Prepared & Analyzed: 05-Jan-09										
Acenaphthene	BRL		µg/kg wet	330						
Acenaphthylene	BRL		µg/kg wet	330						
Aniline	BRL		µg/kg wet	330						
Anthracene	BRL		µg/kg wet	330						
Atrazine	BRL		µg/kg wet	330						
Azobenzene/Diphenyldiazine	BRL		µg/kg wet	330						
Benzidine	BRL		µg/kg wet	330						
Benzo (a) anthracene	BRL		µg/kg wet	330						
Benzo (a) pyrene	BRL		µg/kg wet	330						
Benzo (b) fluoranthene	BRL		µg/kg wet	330						
Benzo (g,h,i) perylene	BRL		µg/kg wet	330						
Benzo (k) fluoranthene	BRL		µg/kg wet	330						
Benzoic acid	BRL		µg/kg wet	330						
Benzyl alcohol	BRL		µg/kg wet	330						
Bis(2-chloroethoxy)methane	BRL		µg/kg wet	330						
Bis(2-chloroethyl)ether	BRL		µg/kg wet	330						
Bis(2-chloroisopropyl)ether	BRL		µg/kg wet	330						
Bis(2-ethylhexyl)phthalate	BRL		µg/kg wet	330						
4-Bromophenyl phenyl ether	BRL		µg/kg wet	330						
Butyl benzyl phthalate	BRL		µg/kg wet	330						
Carbazole	BRL		µg/kg wet	330						
4-Chloro-3-methylphenol	BRL		µg/kg wet	330						
4-Chloroaniline	BRL		µg/kg wet	330						
2-Chloronaphthalene	BRL		µg/kg wet	330						
2-Chlorophenol	BRL		µg/kg wet	330						
4-Chlorophenyl phenyl ether	BRL		µg/kg wet	330						
Chrysene	BRL		µg/kg wet	330						
Dibenzo (a,h) anthracene	BRL		µg/kg wet	330						
Dibenzofuran	BRL		µg/kg wet	330						
1,2-Dichlorobenzene	BRL		µg/kg wet	330						
1,3-Dichlorobenzene	BRL		µg/kg wet	330						
1,4-Dichlorobenzene	BRL		µg/kg wet	330						
3,3'-Dichlorobenzidine	BRL		µg/kg wet	330						
2,4-Dichlorophenol	BRL		µg/kg wet	330						
Diethyl phthalate	BRL		µg/kg wet	330						
Dimethyl phthalate	BRL		µg/kg wet	330						
2,4-Dimethylphenol	BRL		µg/kg wet	330						
Di-n-butyl phthalate	BRL		µg/kg wet	330						
4,6-Dinitro-2-methylphenol	BRL		µg/kg wet	330						
2,4-Dinitrophenol	BRL		µg/kg wet	330						
2,4-Dinitrotoluene	BRL		µg/kg wet	330						
2,6-Dinitrotoluene	BRL		µg/kg wet	330						
Di-n-octyl phthalate	BRL		µg/kg wet	330						
Fluoranthene	BRL		µg/kg wet	330						
Fluorene	BRL		µg/kg wet	330						
Hexachlorobenzene	BRL		µg/kg wet	330						
Hexachlorobutadiene	BRL		µg/kg wet	330						
Hexachlorocyclopentadiene	BRL		µg/kg wet	330						
Hexachloroethane	BRL		µg/kg wet	330						

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010111 - SW846 3545A										
Blank (9010111-BLK1)										
Prepared & Analyzed: 05-Jan-09										
Indeno (1,2,3-cd) pyrene	BRL		µg/kg wet	330						
1-Methylnaphthalene	BRL		µg/kg wet	330						
Isophorone	BRL		µg/kg wet	330						
2-Methylnaphthalene	BRL		µg/kg wet	330						
2-Methylphenol	BRL		µg/kg wet	330						
3 & 4-Methylphenol	BRL		µg/kg wet	330						
Naphthalene	BRL		µg/kg wet	330						
2-Nitroaniline	BRL		µg/kg wet	330						
3-Nitroaniline	BRL		µg/kg wet	330						
4-Nitroaniline	BRL		µg/kg wet	1320						
Nitrobenzene	BRL		µg/kg wet	330						
2-Nitrophenol	BRL		µg/kg wet	330						
4-Nitrophenol	BRL		µg/kg wet	1320						
N-Nitrosodimethylamine	BRL		µg/kg wet	330						
N-Nitrosodi-n-propylamine	BRL		µg/kg wet	330						
N-Nitrosodiphenylamine	BRL		µg/kg wet	330						
Pentachlorophenol	BRL		µg/kg wet	330						
Phenanthrene	BRL		µg/kg wet	330						
Phenol	BRL		µg/kg wet	330						
Pyrene	BRL		µg/kg wet	330						
Pyridine	BRL		µg/kg wet	330						
1,2,4-Trichlorobenzene	BRL		µg/kg wet	330						
2,4,5-Trichlorophenol	BRL		µg/kg wet	330						
2,4,6-Trichlorophenol	BRL		µg/kg wet	330						
Pentachloronitrobenzene	BRL		µg/kg wet	330						
1,2,4,5-Tetrachlorobenzene	BRL		µg/kg wet	330						
Surrogate: 2-Fluorobiphenyl	*2020*		µg/kg wet		*3330*		*61*	*30-130*		
Surrogate: 2-Fluorophenol	*2130*		µg/kg wet		*3330*		*64*	*15-110*		
Surrogate: Nitrobenzene-d5	*1950*		µg/kg wet		*3330*		*58*	*30-130*		
Surrogate: Phenol-d5	*1850*		µg/kg wet		*3330*		*56*	*15-110*		
Surrogate: Terphenyl-dl4	*2430*		µg/kg wet		*3330*		*73*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*2170*		µg/kg wet		*3330*		*65*	*15-110*		
LCS (9010111-BS1)										
Prepared & Analyzed: 05-Jan-09										
Acenaphthene	2680		µg/kg wet	330	3330		80	40-130		
Acenaphthylene	2700		µg/kg wet	330	3330		81	40-130		
Aniline	1750		µg/kg wet	330	3330		52	40-130		
Anthracene	2630		µg/kg wet	330	3330		79	40-130		
Atrazine	2140		µg/kg wet	330	3330		64	40-130		
Azobenzene/Diphenyldiazine	2730		µg/kg wet	330	3330		82	40-130		
Benzidine	BRL		µg/kg wet	330	3330			0-130		
Benzo (a) anthracene	3050		µg/kg wet	330	3330		92	40-130		
Benzo (a) pyrene	2620		µg/kg wet	330	3330		79	40-130		
Benzo (b) fluoranthene	2480		µg/kg wet	330	3330		74	40-130		
Benzo (g,h,i) perylene	2640		µg/kg wet	330	3330		79	40-130		
Benzo (k) fluoranthene	2820		µg/kg wet	330	3330		85	40-130		
Benzoic acid	2290		µg/kg wet	330	3330		69	19.5-130		
Benzyl alcohol	2180		µg/kg wet	330	3330		66	40-130		
Bis(2-chloroethoxy)methane	2900		µg/kg wet	330	3330		87	40-130		
Bis(2-chloroethyl)ether	2140		µg/kg wet	330	3330		64	40-130		

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010111 - SW846 3545A										
LCS (9010111-BS1)										
Prepared & Analyzed: 05-Jan-09										
Bis(2-chloroisopropyl)ether	2830		µg/kg wet	330	3330		85	40-130		
Bis(2-ethylhexyl)phthalate	3690		µg/kg wet	330	3330		111	40-130		
4-Bromophenyl phenyl ether	2860		µg/kg wet	330	3330		86	40-130		
Butyl benzyl phthalate	3650		µg/kg wet	330	3330		110	40-130		
Carbazole	2560		µg/kg wet	330	3330		77	40-130		
4-Chloro-3-methylphenol	2600		µg/kg wet	330	3330		78	40-130		
4-Chloroaniline	1940		µg/kg wet	330	3330		58	40-130		
2-Chloronaphthalene	2490		µg/kg wet	330	3330		75	40-130		
2-Chlorophenol	2330		µg/kg wet	330	3330		70	40-130		
4-Chlorophenyl phenyl ether	2960		µg/kg wet	330	3330		89	40-130		
Chrysene	3240		µg/kg wet	330	3330		97	40-130		
Dibenzo (a,h) anthracene	2510		µg/kg wet	330	3330		75	40-130		
Dibenzofuran	2550		µg/kg wet	330	3330		77	40-130		
1,2-Dichlorobenzene	2360		µg/kg wet	330	3330		71	40-130		
1,3-Dichlorobenzene	1770		µg/kg wet	330	3330		53	40-130		
1,4-Dichlorobenzene	2850		µg/kg wet	330	3330		86	40-130		
3,3'-Dichlorobenzidine	2390		µg/kg wet	330	3330		72	40-130		
2,4-Dichlorophenol	2560		µg/kg wet	330	3330		77	40-130		
Diethyl phthalate	2980		µg/kg wet	330	3330		89	40-130		
Dimethyl phthalate	3080		µg/kg wet	330	3330		92	40-130		
2,4-Dimethylphenol	2470		µg/kg wet	330	3330		74	40-130		
Di-n-butyl phthalate	2950		µg/kg wet	330	3330		88	40-130		
4,6-Dinitro-2-methylphenol	2680		µg/kg wet	330	3330		80	40-130		
2,4-Dinitrophenol	2520		µg/kg wet	330	3330		75	40-130		
2,4-Dinitrotoluene	2770		µg/kg wet	330	3330		83	40-130		
2,6-Dinitrotoluene	2790		µg/kg wet	330	3330		84	40-130		
Di-n-octyl phthalate	2950		µg/kg wet	330	3330		89	40-130		
Fluoranthene	2590		µg/kg wet	330	3330		78	40-130		
Fluorene	2540		µg/kg wet	330	3330		76	40-130		
Hexachlorobenzene	2430		µg/kg wet	330	3330		73	40-130		
Hexachlorobutadiene	2350		µg/kg wet	330	3330		70	40-130		
Hexachlorocyclopentadiene	2120		µg/kg wet	330	3330		64	40-130		
Hexachloroethane	2300		µg/kg wet	330	3330		69	40-130		
Indeno (1,2,3-cd) pyrene	2490		µg/kg wet	330	3330		75	40-130		
1-Methylnaphthalene	2620		µg/kg wet	330	3330		79	40-140		
Isophorone	2450		µg/kg wet	330	3330		74	40-130		
2-Methylnaphthalene	2530		µg/kg wet	330	3330		76	40-130		
2-Methylphenol	2560		µg/kg wet	330	3330		77	40-130		
3 & 4-Methylphenol	2720		µg/kg wet	330	3330		81	40-130		
Naphthalene	2420		µg/kg wet	330	3330		73	40-130		
2-Nitroaniline	2730		µg/kg wet	330	3330		82	40-130		
3-Nitroaniline	2200		µg/kg wet	330	3330		66	40-130		
4-Nitroaniline	2530		µg/kg wet	1320	3330		76	40-130		
Nitrobenzene	2320		µg/kg wet	330	3330		70	40-130		
2-Nitrophenol	2500		µg/kg wet	330	3330		75	40-130		
4-Nitrophenol	2900		µg/kg wet	1320	3330		87	40-130		
N-Nitrosodimethylamine	3030		µg/kg wet	330	3330		91	40-130		
N-Nitrosodi-n-propylamine	2780		µg/kg wet	330	3330		83	40-130		
N-Nitrosodiphenylamine	2900		µg/kg wet	330	3330		87	40-130		

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010111 - SW846 3545A										
LCS (9010111-BS1)										
Prepared & Analyzed: 05-Jan-09										
Pentachlorophenol	2280		µg/kg wet	330	3330		68	40-130		
Phenanthrene	2520		µg/kg wet	330	3330		76	40-130		
Phenol	2500		µg/kg wet	330	3330		75	40-130		
Pyrene	3280		µg/kg wet	330	3330		98	40-130		
Pyridine	445		µg/kg wet	330	3330		13	0-130		
1,2,4-Trichlorobenzene	2380		µg/kg wet	330	3330		71	40-130		
2,4,5-Trichlorophenol	2600		µg/kg wet	330	3330		78	40-130		
2,4,6-Trichlorophenol	2460		µg/kg wet	330	3330		74	40-130		
Pentachloronitrobenzene	2500		µg/kg wet	330	3330		75	40-140		
1,2,4,5-Tetrachlorobenzene	2370		µg/kg wet	330	3330		71	40-140		
Surrogate: 2-Fluorobiphenyl	*2490*		µg/kg wet		*3330*		*75*	*30-130*		
Surrogate: 2-Fluorophenol	*2240*		µg/kg wet		*3330*		*67*	*15-110*		
Surrogate: Nitrobenzene-d5	*2460*		µg/kg wet		*3330*		*74*	*30-130*		
Surrogate: Phenol-d5	*2350*		µg/kg wet		*3330*		*71*	*15-110*		
Surrogate: Terphenyl-dl4	*2830*		µg/kg wet		*3330*		*85*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*2530*		µg/kg wet		*3330*		*76*	*15-110*		
Duplicate (9010111-DUP1) **Source: SA89379-01**										
Prepared: 05-Jan-09 Analyzed: 07-Jan-09										
Acenaphthene	BRL		µg/kg dry	429		BRL				50
Acenaphthylene	BRL		µg/kg dry	429		BRL				50
Aniline	BRL		µg/kg dry	429		BRL				50
Anthracene	BRL		µg/kg dry	429		BRL				50
Atrazine	BRL		µg/kg dry	429		BRL				50
Azobenzene/Diphenyldiazine	BRL		µg/kg dry	429		BRL				50
Benzidine	BRL		µg/kg dry	429		BRL				50
Benzo (a) anthracene	BRL		µg/kg dry	429		BRL				50
Benzo (a) pyrene	BRL		µg/kg dry	429		BRL				50
Benzo (b) fluoranthene	BRL		µg/kg dry	429		BRL				50
Benzo (g,h,i) perylene	BRL		µg/kg dry	429		BRL				50
Benzo (k) fluoranthene	BRL		µg/kg dry	429		BRL				50
Benzoic acid	BRL		µg/kg dry	429		BRL				50
Benzyl alcohol	BRL		µg/kg dry	429		BRL				50
Bis(2-chloroethoxy)methane	BRL		µg/kg dry	429		BRL				50
Bis(2-chloroethyl)ether	BRL		µg/kg dry	429		BRL				50
Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	429		BRL				50
Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	429		BRL				50
4-Bromophenyl phenyl ether	BRL		µg/kg dry	429		BRL				50
Butyl benzyl phthalate	BRL		µg/kg dry	429		BRL				50
Carbazole	BRL		µg/kg dry	429		BRL				50
4-Chloro-3-methylphenol	BRL		µg/kg dry	429		BRL				50
4-Chloroaniline	BRL		µg/kg dry	429		BRL				50
2-Chloronaphthalene	BRL		µg/kg dry	429		BRL				50
2-Chlorophenol	BRL		µg/kg dry	429		BRL				50
4-Chlorophenyl phenyl ether	BRL		µg/kg dry	429		BRL				50
Chrysene	BRL		µg/kg dry	429		BRL				50
Dibenzo (a,h) anthracene	BRL		µg/kg dry	429		BRL				50
Dibenzofuran	BRL		µg/kg dry	429		BRL				50
1,2-Dichlorobenzene	BRL		µg/kg dry	429		BRL				50
1,3-Dichlorobenzene	BRL		µg/kg dry	429		BRL				50
1,4-Dichlorobenzene	BRL		µg/kg dry	429		BRL				50

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010111 - SW846 3545A										
Duplicate (9010111-DUP1) **Source: SA89379-01**										
Prepared: 05-Jan-09 Analyzed: 07-Jan-09										
3,3'-Dichlorobenzidine	BRL		µg/kg dry	429		BRL				50
2,4-Dichlorophenol	BRL		µg/kg dry	429		BRL				50
Diethyl phthalate	BRL		µg/kg dry	429		BRL				50
Dimethyl phthalate	BRL		µg/kg dry	429		BRL				50
2,4-Dimethylphenol	BRL		µg/kg dry	429		BRL				50
Di-n-butyl phthalate	BRL		µg/kg dry	429		BRL				50
4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	429		BRL				50
2,4-Dinitrophenol	BRL		µg/kg dry	429		BRL				50
2,4-Dinitrotoluene	BRL		µg/kg dry	429		BRL				50
2,6-Dinitrotoluene	BRL		µg/kg dry	429		BRL				50
Di-n-octyl phthalate	BRL		µg/kg dry	429		BRL				50
Fluoranthene	50.3	J	µg/kg dry	429		46.9			7	50
Fluorene	BRL		µg/kg dry	429		BRL				50
Hexachlorobenzene	BRL		µg/kg dry	429		BRL				50
Hexachlorobutadiene	BRL		µg/kg dry	429		BRL				50
Hexachlorocyclopentadiene	BRL		µg/kg dry	429		BRL				50
Hexachloroethane	BRL		µg/kg dry	429		BRL				50
Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	429		BRL				50
1-Methylnaphthalene	BRL		µg/kg dry	429		BRL				50
Isophorone	BRL		µg/kg dry	429		BRL				50
2-Methylnaphthalene	BRL		µg/kg dry	429		BRL				50
2-Methylphenol	BRL		µg/kg dry	429		BRL				50
3 & 4-Methylphenol	BRL		µg/kg dry	429		BRL				50
Naphthalene	BRL		µg/kg dry	429		BRL				50
2-Nitroaniline	BRL		µg/kg dry	429		BRL				50
3-Nitroaniline	BRL		µg/kg dry	429		BRL				50
4-Nitroaniline	BRL		µg/kg dry	1720		BRL				50
Nitrobenzene	BRL		µg/kg dry	429		BRL				50
2-Nitrophenol	BRL		µg/kg dry	429		BRL				50
4-Nitrophenol	BRL		µg/kg dry	1720		BRL				50
N-Nitrosodimethylamine	BRL		µg/kg dry	429		BRL				50
N-Nitrosodi-n-propylamine	BRL		µg/kg dry	429		BRL				50
N-Nitrosodiphenylamine	BRL		µg/kg dry	429		BRL				50
Pentachlorophenol	BRL		µg/kg dry	429		BRL				50
Phenanthrene	BRL		µg/kg dry	429		BRL				50
Phenol	BRL		µg/kg dry	429		BRL				50
Pyrene	46.0	J	µg/kg dry	429		BRL				50
Pyridine	BRL		µg/kg dry	429		BRL				50
1,2,4-Trichlorobenzene	BRL		µg/kg dry	429		BRL				50
2,4,5-Trichlorophenol	BRL		µg/kg dry	429		BRL				50
2,4,6-Trichlorophenol	BRL		µg/kg dry	429		BRL				50
Pentachloronitrobenzene	BRL		µg/kg dry	429		BRL				50
1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	429		BRL				50
Surrogate: 2-Fluorobiphenyl	*1320*		µg/kg dry		*2170*		*61*	*30-130*		
Surrogate: 2-Fluorophenol	*1420*		µg/kg dry		*2170*		*65*	*15-110*		
Surrogate: Nitrobenzene-d5	*1240*		µg/kg dry		*2170*		*57*	*30-130*		
Surrogate: Phenol-d5	*1260*		µg/kg dry		*2170*		*58*	*15-110*		
Surrogate: Terphenyl-dl4	*1670*		µg/kg dry		*2170*		*77*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*1450*		µg/kg dry		*2170*		*67*	*15-110*		

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010111 - SW846 3545A										
Matrix Spike (9010111-MS1) **Source: SA89379-01**										
Prepared: 05-Jan-09 Analyzed: 07-Jan-09										
Acenaphthene	3530		µg/kg dry	429	4330	BRL	81	40-140		
Benzo (b) fluoranthene	3630		µg/kg dry	429	4330	BRL	84	40-140		
Benzo (k) fluoranthene	3710		µg/kg dry	429	4330	BRL	86	40-140		
4-Chloro-3-methylphenol	3310		µg/kg dry	429	4330	BRL	76	30-130		
2-Chlorophenol	3220		µg/kg dry	429	4330	BRL	74	30-130		
Chrysene	4150		µg/kg dry	429	4330	BRL	96	40-140		
1,4-Dichlorobenzene	3000		µg/kg dry	429	4330	BRL	69	40-140		
Indeno (1,2,3-cd) pyrene	3530		µg/kg dry	429	4330	BRL	81	40-140		
Naphthalene	3210		µg/kg dry	429	4330	BRL	74	40-140		
4-Nitrophenol	3930		µg/kg dry	1710	4330	BRL	91	30-130		
N-Nitrosodi-n-propylamine	3660		µg/kg dry	429	4330	BRL	85	40-140		
Pentachlorophenol	3300		µg/kg dry	429	4330	BRL	76	30-130		
Phenol	3190		µg/kg dry	429	4330	BRL	74	30-130		
Pyrene	4690		µg/kg dry	429	4330	BRL	108	40-140		
1,2,4-Trichlorobenzene	3070		µg/kg dry	429	4330	BRL	71	40-140		
Surrogate: 2-Fluorobiphenyl	*2760*		µg/kg dry		*4330*		*64*	*30-130*		
Surrogate: 2-Fluorophenol	*2620*		µg/kg dry		*4330*		*60*	*15-110*		
Surrogate: Nitrobenzene-d5	*2650*		µg/kg dry		*4330*		*61*	*30-130*		
Surrogate: Phenol-d5	*2340*		µg/kg dry		*4330*		*54*	*15-110*		
Surrogate: Terphenyl-dl4	*3470*		µg/kg dry		*4330*		*80*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*2850*		µg/kg dry		*4330*		*66*	*15-110*		
Matrix Spike Dup (9010111-MSD1) **Source: SA89379-01**										
Prepared: 05-Jan-09 Analyzed: 07-Jan-09										
Acenaphthene	2610		µg/kg dry	424	4280	BRL	61	40-140	29	30
Benzo (b) fluoranthene	2520	QR2	µg/kg dry	424	4280	BRL	59	40-140	35	30
Benzo (k) fluoranthene	2750		µg/kg dry	424	4280	BRL	64	40-140	29	30
4-Chloro-3-methylphenol	2480		µg/kg dry	424	4280	BRL	58	30-130	27	30
2-Chlorophenol	2510		µg/kg dry	424	4280	BRL	59	30-130	24	30
Chrysene	3050		µg/kg dry	424	4280	BRL	71	40-140	29	30
1,4-Dichlorobenzene	2320		µg/kg dry	424	4280	BRL	54	40-140	24	30
Indeno (1,2,3-cd) pyrene	2680		µg/kg dry	424	4280	BRL	63	40-140	26	30
Naphthalene	2410		µg/kg dry	424	4280	BRL	56	40-140	27	30
4-Nitrophenol	2760	QR2	µg/kg dry	1700	4280	BRL	64	30-130	34	30
N-Nitrosodi-n-propylamine	2860		µg/kg dry	424	4280	BRL	67	40-140	23	30
Pentachlorophenol	2480		µg/kg dry	424	4280	BRL	58	30-130	28	30
Phenol	2470		µg/kg dry	424	4280	BRL	58	30-130	24	30
Pyrene	3250	QR2	µg/kg dry	424	4280	BRL	76	40-140	35	30
1,2,4-Trichlorobenzene	2320		µg/kg dry	424	4280	BRL	54	40-140	27	30
Surrogate: 2-Fluorobiphenyl	*2190*		µg/kg dry		*4280*		*51*	*30-130*		
Surrogate: 2-Fluorophenol	*2160*		µg/kg dry		*4280*		*50*	*15-110*		
Surrogate: Nitrobenzene-d5	*2140*		µg/kg dry		*4280*		*50*	*30-130*		
Surrogate: Phenol-d5	*1960*		µg/kg dry		*4280*		*46*	*15-110*		
Surrogate: Terphenyl-dl4	*2540*		µg/kg dry		*4280*		*59*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*2350*		µg/kg dry		*4280*		*55*	*15-110*		

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010110 - SW846 3545A										
Blank (9010110-BLK1)										
Prepared & Analyzed: 05-Jan-09										
PCB 1016	BRL		µg/kg wet	20.0						
PCB 1221	BRL		µg/kg wet	20.0						
PCB 1232	BRL		µg/kg wet	20.0						
PCB 1242	BRL		µg/kg wet	20.0						
PCB 1248	BRL		µg/kg wet	20.0						
PCB 1254	BRL		µg/kg wet	20.0						
PCB 1260	BRL		µg/kg wet	20.0						
PCB 1262	BRL		µg/kg wet	20.0						
PCB 1268	BRL		µg/kg wet	20.0						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*15.2*		µg/kg wet		*20.0*		*76*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*10.3*		µg/kg wet		*20.0*		*52*	*30-150*		
LCS (9010110-BS1)										
Prepared & Analyzed: 05-Jan-09										
PCB 1016	214		µg/kg wet	20.0	250		86	40-140		
PCB 1260	209		µg/kg wet	20.0	250		84	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*14.3*		µg/kg wet		*20.0*		*72*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*16.0*		µg/kg wet		*20.0*		*80*	*30-150*		
LCS Dup (9010110-BSD1)										
Prepared & Analyzed: 05-Jan-09										
PCB 1016	220		µg/kg wet	20.0	250		88	40-140	2	30
PCB 1260	208		µg/kg wet	20.0	250		83	40-140	0.6	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*14.3*		µg/kg wet		*20.0*		*72*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*15.0*		µg/kg wet		*20.0*		*75*	*30-150*		
Duplicate (9010110-DUP1) **Source: SA89376-08**										
Prepared & Analyzed: 05-Jan-09										
PCB 1016	BRL		µg/kg dry	20.9		BRL				40
PCB 1221	BRL		µg/kg dry	20.9		BRL				40
PCB 1232	BRL		µg/kg dry	20.9		BRL				40
PCB 1242	BRL		µg/kg dry	20.9		BRL				40
PCB 1248	BRL		µg/kg dry	20.9		BRL				40
PCB 1254	BRL		µg/kg dry	20.9		BRL				40
PCB 1260	BRL		µg/kg dry	20.9		BRL				40
PCB 1262	BRL		µg/kg dry	20.9		BRL				40
PCB 1268	BRL		µg/kg dry	20.9		BRL				40
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*17.6*		µg/kg dry		*20.9*		*84*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*18.2*		µg/kg dry		*20.9*		*87*	*30-150*		
Matrix Spike (9010110-MS1) **Source: SA89376-08**										
Prepared & Analyzed: 05-Jan-09										
PCB 1016	271		µg/kg dry	21.0	262	BRL	103	40-140		
PCB 1260	260		µg/kg dry	21.0	262	BRL	99	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*17.1*		µg/kg dry		*21.0*		*81*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*18.5*		µg/kg dry		*21.0*		*88*	*30-150*		
Matrix Spike Dup (9010110-MSD1) **Source: SA89376-08**										
Prepared & Analyzed: 05-Jan-09										
PCB 1016	284		µg/kg dry	21.6	270	BRL	105	40-140	2	50
PCB 1260	261		µg/kg dry	21.6	270	BRL	97	40-140	2	50
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*17.6*		µg/kg dry		*21.6*		*81*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*19.2*		µg/kg dry		*21.6*		*89*	*30-150*		
Batch 9010153 - SW846 3550B										

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010153 - SW846 3550B										
Blank (9010153-BLK1)										
Prepared: 05-Jan-09 Analyzed: 08-Jan-09										
2,4,5-T	BRL		µg/kg wet	6.70						
2,4,5-T [2C]	BRL		µg/kg wet	6.70						
2,4,5-TP (Silvex)	BRL		µg/kg wet	6.70						
2,4,5-TP (Silvex) [2C]	BRL		µg/kg wet	6.70						
2,4-D	BRL		µg/kg wet	6.70						
2,4-D [2C]	BRL		µg/kg wet	6.70						
2,4-DB	BRL		µg/kg wet	6.70						
2,4-DB [2C]	BRL		µg/kg wet	6.70						
Dalapon	BRL		µg/kg wet	6.70						
Dalapon [2C]	BRL		µg/kg wet	6.70						
Dicamba	BRL		µg/kg wet	6.70						
Dicamba [2C]	BRL		µg/kg wet	6.70						
Dichlorprop	BRL		µg/kg wet	6.70						
Dichlorprop [2C]	BRL		µg/kg wet	6.70						
Dinoseb	BRL		µg/kg wet	6.70						
Dinoseb [2C]	BRL		µg/kg wet	6.70						
MCPA	BRL		µg/kg wet	670						
MCPA [2C]	BRL		µg/kg wet	670						
MCPB	BRL		µg/kg wet	670						
MCPB [2C]	BRL		µg/kg wet	670						
MCPP	BRL		µg/kg wet	670						
MCPP [2C]	BRL		µg/kg wet	670						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*33.5*		µg/kg wet		*26.7*		*126*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [;	*32.9*		µg/kg wet		*26.7*		*123*	*30-150*		
LCS (9010153-BS1)										
Prepared: 05-Jan-09 Analyzed: 08-Jan-09										
2,4,5-T	21.3		µg/kg wet	6.70	33.3		64	40-140		
2,4,5-T [2C]	21.5		µg/kg wet	6.70	33.3		65	40-140		
2,4,5-TP (Silvex)	24.0		µg/kg wet	6.70	33.3		72	40-140		
2,4,5-TP (Silvex) [2C]	26.6		µg/kg wet	6.70	33.3		80	40-140		
2,4-D	20.9		µg/kg wet	6.70	33.3		63	40-140		
2,4-D [2C]	20.5		µg/kg wet	6.70	33.3		61	40-140		
2,4-DB	21.0		µg/kg wet	6.70	33.3		63	40-140		
2,4-DB [2C]	17.4		µg/kg wet	6.70	33.3		52	40-140		
Dalapon	24.1		µg/kg wet	6.70	33.3		72	40-140		
Dalapon [2C]	21.7		µg/kg wet	6.70	33.3		65	40-140		
Dicamba	25.0		µg/kg wet	6.70	33.3		75	40-140		
Dicamba [2C]	22.7		µg/kg wet	6.70	33.3		68	40-140		
Dichlorprop	23.1		µg/kg wet	6.70	33.3		69	40-140		
Dichlorprop [2C]	26.2		µg/kg wet	6.70	33.3		79	40-140		
Dinoseb	26.9		µg/kg wet	6.70	33.3		81	40-140		
Dinoseb [2C]	29.9		µg/kg wet	6.70	33.3		90	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*32.4*		µg/kg wet		*26.7*		*122*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [;	*31.7*		µg/kg wet		*26.7*		*119*	*30-150*		
LCS (9010153-BS2)										
Prepared: 05-Jan-09 Analyzed: 08-Jan-09										
MCPA	6200		µg/kg wet	670	10000		62	40-140		
MCPA [2C]	8470		µg/kg wet	670	10000		85	40-140		
MCPB	7730		µg/kg wet	670	10000		77	40-140		

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010153 - SW846 3550B										
LCS (9010153-BS2)										
Prepared: 05-Jan-09 Analyzed: 08-Jan-09										
MCPB [2C]	8600		µg/kg wet	670	10000		86	40-140		
MCPP	7070		µg/kg wet	670	10000		71	40-140		
MCPP [2C]	7330		µg/kg wet	670	10000		73	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*33.8*		µg/kg wet		*26.7*		*127*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [	*31.5*		µg/kg wet		*26.7*		*118*	*30-150*		
LCS Dup (9010153-BSD1)										
Prepared: 05-Jan-09 Analyzed: 08-Jan-09										
2,4,5-T	22.5		µg/kg wet	6.70	33.3		67	40-140	5	25
2,4,5-T [2C]	21.1		µg/kg wet	6.70	33.3		63	40-140	2	25
2,4,5-TP (Silvex)	23.9		µg/kg wet	6.70	33.3		72	40-140	0.3	25
2,4,5-TP (Silvex) [2C]	25.5		µg/kg wet	6.70	33.3		77	40-140	4	25
2,4-D	23.7		µg/kg wet	6.70	33.3		71	40-140	12	25
2,4-D [2C]	23.0		µg/kg wet	6.70	33.3		69	40-140	12	25
2,4-DB	19.7		µg/kg wet	6.70	33.3		59	40-140	6	25
2,4-DB [2C]	21.6		µg/kg wet	6.70	33.3		65	40-140	22	25
Dalapon	23.7		µg/kg wet	6.70	33.3		71	40-140	2	25
Dalapon [2C]	23.1		µg/kg wet	6.70	33.3		69	40-140	6	25
Dicamba	25.1		µg/kg wet	6.70	33.3		75	40-140	0.5	25
Dicamba [2C]	24.4		µg/kg wet	6.70	33.3		73	40-140	7	25
Dichlorprop	24.7		µg/kg wet	6.70	33.3		74	40-140	7	25
Dichlorprop [2C]	26.4		µg/kg wet	6.70	33.3		79	40-140	0.8	25
Dinoseb	27.7		µg/kg wet	6.70	33.3		83	40-140	3	25
Dinoseb [2C]	28.5		µg/kg wet	6.70	33.3		86	40-140	5	25
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*32.8*		µg/kg wet		*26.7*		*123*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [	*29.7*		µg/kg wet		*26.7*		*112*	*30-150*		
LCS Dup (9010153-BSD2)										
Prepared: 05-Jan-09 Analyzed: 08-Jan-09										
MCPA	6270		µg/kg wet	670	10000		63	40-140	1	25
MCPA [2C]	8270		µg/kg wet	670	10000		83	40-140	2	25
MCPB	7670		µg/kg wet	670	10000		77	40-140	0.9	25
MCPB [2C]	8000		µg/kg wet	670	10000		80	40-140	7	25
MCPP	6600		µg/kg wet	670	10000		66	40-140	7	25
MCPP [2C]	5530	QR2	µg/kg wet	670	10000		55	40-140	28	25
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*33.2*		µg/kg wet		*26.7*		*124*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [	*30.4*		µg/kg wet		*26.7*		*114*	*30-150*		
Duplicate (9010153-DUP1) **Source: SA89355-05**										
Prepared: 05-Jan-09 Analyzed: 08-Jan-09										
2,4,5-T	BRL		µg/kg dry	6.70		BRL				30
2,4,5-T [2C]	BRL		µg/kg dry	6.70		BRL				30
2,4,5-TP (Silvex)	BRL		µg/kg dry	6.70		BRL				30
2,4,5-TP (Silvex) [2C]	BRL		µg/kg dry	6.70		BRL				30
2,4-D	BRL		µg/kg dry	6.70		BRL				30
2,4-D [2C]	BRL		µg/kg dry	6.70		BRL				30
2,4-DB	BRL		µg/kg dry	6.70		BRL				30
2,4-DB [2C]	BRL		µg/kg dry	6.70		BRL				30
Dalapon	BRL		µg/kg dry	6.70		BRL				30
Dalapon [2C]	BRL		µg/kg dry	6.70		BRL				30
Dicamba	BRL		µg/kg dry	6.70		BRL				30
Dicamba [2C]	BRL		µg/kg dry	6.70		BRL				30

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010153 - SW846 3550B										
Duplicate (9010153-DUP1) **Source: SA89355-05**										
Prepared: 05-Jan-09 Analyzed: 08-Jan-09										
Dichlorprop	BRL		µg/kg dry	6.70		BRL				30
Dichlorprop [2C]	BRL		µg/kg dry	6.70		BRL				30
Dinoseb	BRL		µg/kg dry	6.70		BRL				30
Dinoseb [2C]	BRL		µg/kg dry	6.70		BRL				30
MCPA	BRL		µg/kg dry	670		BRL				30
MCPA [2C]	BRL		µg/kg dry	670		BRL				30
MCPB	BRL		µg/kg dry	670		BRL				30
MCPB [2C]	BRL		µg/kg dry	670		BRL				30
MCPP	BRL		µg/kg dry	670		BRL				30
MCPP [2C]	BRL		µg/kg dry	670		BRL				30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*16.9*		µg/kg dry		*34.4*		*49*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [:	*14.7*		µg/kg dry		*34.4*		*43*	*30-150*		

Extractable Petroleum Hydrocarbons - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010112 - SW846 3550B										
Blank (9010112-BLK1)										
Prepared: 05-Jan-09 Analyzed: 07-Jan-09										
Gasoline	BRL		mg/kg wet	13.3						
Fuel Oil #2	BRL		mg/kg wet	13.3						
Fuel Oil #4	BRL		mg/kg wet	13.3						
Fuel Oil #6	BRL		mg/kg wet	13.3						
Motor Oil	BRL		mg/kg wet	13.3						
Aviation Fuel	BRL		mg/kg wet	13.3						
Unidentified	BRL		mg/kg wet	13.3						
Other Oil	BRL		mg/kg wet	13.3						
Total Petroleum Hydrocarbons	BRL		mg/kg wet	13.3						
C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg wet	13.3						
Surrogate: 1-Chlorooctadecane	*2.34*		mg/kg wet		*3.33*		*70*	*50-150*		
LCS (9010112-BS1)										
Prepared: 05-Jan-09 Analyzed: 07-Jan-09										
C9-C36 Aliphatic Hydrocarbons	72.1		mg/kg wet	13.3	93.3		77	60-120		
Surrogate: 1-Chlorooctadecane	*2.84*		mg/kg wet		*3.33*		*85*	*50-150*		
Duplicate (9010112-DUP1) **Source: SA89379-01**										
Prepared: 05-Jan-09 Analyzed: 07-Jan-09										
Gasoline	BRL		mg/kg dry	17.3		BRL				50
Fuel Oil #2	BRL		mg/kg dry	17.3		BRL				50
Fuel Oil #4	BRL		mg/kg dry	17.3		BRL				50
Fuel Oil #6	BRL		mg/kg dry	17.3		BRL				50
Motor Oil	BRL		mg/kg dry	17.3		BRL				50
Aviation Fuel	BRL		mg/kg dry	17.3		BRL				50
Unidentified	BRL		mg/kg dry	17.3		BRL				50
Other Oil	BRL		mg/kg dry	17.3		BRL				50
Total Petroleum Hydrocarbons	BRL		mg/kg dry	17.3		BRL				50
C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	17.3		BRL				50
Surrogate: 1-Chlorooctadecane	*1.77*		mg/kg dry		*2.17*		*82*	*50-150*		
Matrix Spike (9010112-MS1) **Source: SA89379-01**										
Prepared: 05-Jan-09 Analyzed: 07-Jan-09										
C9-C36 Aliphatic Hydrocarbons	81.2		mg/kg dry	17.3	121	BRL	67	50-150		
Surrogate: 1-Chlorooctadecane	*3.24*		mg/kg dry		*4.33*		*75*	*50-150*		
Matrix Spike Dup (9010112-MSD1) **Source: SA89379-01**										
Prepared: 05-Jan-09 Analyzed: 07-Jan-09										
C9-C36 Aliphatic Hydrocarbons	83.0		mg/kg dry	17.1	120	BRL	69	50-150	3	30
Surrogate: 1-Chlorooctadecane	*3.20*		mg/kg dry		*4.28*		*75*	*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 9010073 - SW846 3050B										
Blank (9010073-BLK1)										
Prepared: 05-Jan-09 Analyzed: 06-Jan-09										
Lead	BRL		mg/kg wet	1.42						
Selenium	BRL		mg/kg wet	1.42						
Cadmium	BRL		mg/kg wet	0.474						
Arsenic	BRL		mg/kg wet	1.42						
Silver	BRL		mg/kg wet	1.42						
Chromium	BRL		mg/kg wet	0.949						
Barium	BRL		mg/kg wet	0.949						
Duplicate (9010073-DUP1)	**Source: SA89376-02**									
Prepared: 05-Jan-09 Analyzed: 06-Jan-09										
Selenium	1.59	J	mg/kg dry	1.60		1.83			14	20
Lead	3.56		mg/kg dry	1.60		3.73			5	20
Cadmium	0.601	QR8	mg/kg dry	0.532		0.391			42	20
Arsenic	0.793	J,QR8	mg/kg dry	1.60		0.994			23	20
Silver	BRL		mg/kg dry	1.60		BRL				20
Chromium	5.82		mg/kg dry	1.06		7.02			19	20
Barium	15.7	QR6	mg/kg dry	1.06		25.0			46	20
Matrix Spike (9010073-MS1)	**Source: SA89376-15**									
Prepared: 05-Jan-09 Analyzed: 06-Jan-09										
Selenium	148		mg/kg dry	1.57	131	2.61	111	75-125		
Lead	132		mg/kg dry	1.57	131	9.13	94	75-125		
Chromium	146		mg/kg dry	1.05	131	13.8	101	75-125		
Arsenic	133		mg/kg dry	1.57	131	2.91	100	75-125		
Silver	126		mg/kg dry	1.57	131	BRL	96	75-125		
Cadmium	145		mg/kg dry	0.524	131	0.397	110	75-125		
Barium	199		mg/kg dry	1.05	131	62.4	104	75-125		
Matrix Spike Dup (9010073-MSD1)	**Source: SA89376-15**									
Prepared: 05-Jan-09 Analyzed: 06-Jan-09										
Lead	143		mg/kg dry	1.73	144	9.13	93	75-125	8	20
Selenium	162		mg/kg dry	1.73	144	2.61	111	75-125	9	20
Chromium	159		mg/kg dry	1.15	144	13.8	100	75-125	8	20
Silver	137		mg/kg dry	1.73	144	BRL	95	75-125	8	20
Cadmium	158		mg/kg dry	0.576	144	0.397	109	75-125	9	20
Arsenic	145		mg/kg dry	1.73	144	2.91	99	75-125	9	20
Barium	215		mg/kg dry	1.15	144	62.4	106	75-125	8	20
Post Spike (9010073-PS1)	**Source: SA89376-15**									
Prepared: 05-Jan-09 Analyzed: 06-Jan-09										
Selenium	156		mg/kg dry	1.66	138	2.61	111	80-120		
Lead	140		mg/kg dry	1.66	138	9.13	94	80-120		
Arsenic	143		mg/kg dry	1.66	138	2.91	101	80-120		
Cadmium	152		mg/kg dry	0.553	138	0.397	110	80-120		
Silver	135		mg/kg dry	1.66	138	BRL	98	80-120		
Chromium	152		mg/kg dry	1.11	138	13.8	100	80-120		
Barium	205		mg/kg dry	1.11	138	62.4	103	80-120		
Reference (9010073-SRM1)										
Prepared: 05-Jan-09 Analyzed: 06-Jan-09										
Selenium	160		mg/kg wet	1.50	145		110	76.6-123.1		
Lead	41.1		mg/kg wet	1.50	43.6		94	78.8-120.9		

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

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010073 - SW846 3050B										
Reference (9010073-SRM1)										
Prepared: 05-Jan-09 Analyzed: 06-Jan-09										
Cadmium	32.3		mg/kg wet	0.500	30.8		105	80.9-119.3		
Chromium	120		mg/kg wet	1.00	120		100	79.7-120.3		
Silver	15.2		mg/kg wet	1.50	15.3		99	66.4-133.6		
Arsenic	52.6		mg/kg wet	1.50	52.7		100	77.6-123.1		
Barium	108		mg/kg wet	1.00	100		107	79.8-119.7		
Reference (9010073-SRM2)										
Prepared: 05-Jan-09 Analyzed: 06-Jan-09										
Selenium	156		mg/kg wet	1.50	145		108	76.6-123.1		
Lead	43.0		mg/kg wet	1.50	43.5		99	78.8-120.9		
Arsenic	51.1		mg/kg wet	1.50	52.6		97	77.6-123.1		
Chromium	116		mg/kg wet	1.00	119		97	79.7-120.3		
Cadmium	31.4		mg/kg wet	0.500	30.7		102	80.9-119.3		
Silver	14.8		mg/kg wet	1.50	15.2		97	66.4-133.6		
Barium	97.6		mg/kg wet	1.00	100		98	79.8-119.7		
Batch 9010076 - EPA200/SW7000 Series										
Blank (9010076-BLK1)										
Prepared: 05-Jan-09 Analyzed: 07-Jan-09										
Mercury	BRL		mg/kg wet	0.0270						
Duplicate (9010076-DUP1) **Source: SA89376-02**										
Prepared: 05-Jan-09 Analyzed: 07-Jan-09										
Mercury	BRL		mg/kg dry	0.0294		BRL				20
Matrix Spike (9010076-MS1) **Source: SA89376-15**										
Prepared: 05-Jan-09 Analyzed: 07-Jan-09										
Mercury	0.437		mg/kg dry	0.0323	0.449	0.0224	92	75-125		
Matrix Spike Dup (9010076-MSD1) **Source: SA89376-15**										
Prepared: 05-Jan-09 Analyzed: 07-Jan-09										
Mercury	0.417		mg/kg dry	0.0320	0.445	0.0224	89	75-125	5	20
Post Spike (9010076-PS1) **Source: SA89376-15**										
Prepared: 05-Jan-09 Analyzed: 07-Jan-09										
Mercury	0.463		mg/kg dry	0.0332	0.461	0.0224	95	80-120		
Reference (9010076-SRM1)										
Prepared: 05-Jan-09 Analyzed: 07-Jan-09										
Mercury	2.05		mg/kg wet	0.0300	2.20		93	71.7-128.8		

General Chemistry Parameters - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010056 - General Preparation										
Duplicate (9010056-DUP1) **Source: SA89376-13**										
Prepared & Analyzed: 02-Jan-09										
% Solids	93.7		%			93.0			0.8	20

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

* Reportable Detection Limit BRL = Below Reporting Limit

Notes and Definitions

QC1	Analyte out of acceptance range.
QR2	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
QR6	The RPD exceeded the QC control limits; however precision is demonstrated with acceptable RPD values for MS/MSD.
QR8	Analyses are not controlled on RPD values from sample concentrations that are less than 5 times the reporting level. The batch is accepted based upon the difference between the sample and duplicate is less than or equal to the reporting limit.
BRL	Below Reporting Limit - Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference
J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).

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

Interpretation of Total Petroleum Hydrocarbon Report

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

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

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

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

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

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

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

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

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

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

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

SA 89579

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

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

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

Project Mgr.: David Brassard

Invoice To: DAS ~~X42356 158~~ X4236

P.O. No.: _____ RQN: _____

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

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

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

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analyses: VOC 8260	SVOC 8270	CT ETPH	PCB 8082	Herbicides 8151	Total RCRA 8 Metals
89579-01	RSB-C57	12/30/08	845	G	SO	7	3	2			X	X	X	X	X	X
-02	RSB-C58		930													
-03	RSB-C59		1000													
-04	RSB-C50		1120								X	X	X	X	X	X

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

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

State specific reporting standards: CT

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

Condition upon receipt: ☐ Iced ☐ Ambient ☐ °C 7.2c (RSPM)

Relinquished by:	Received by:	Date:	Time:
Patrick DePaula		12/31/08	10:20 am
		12/31/08	14:58

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

Report Date:
14-Jan-09 12:30

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

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

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

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SA89410-01	RSB-C60 (1-3)	Soil	31-Dec-08 09:30	02-Jan-09 18:00

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

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

Authorized by:

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

Technical Reviewer's Initial:

Spectrum Analytical holds certification in the State of New York for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of New York does not offer certification for all analytes.
Please note that this report contains 27 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supercedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report is available upon request. This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

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

CASE NARRATIVE:

The samples were received 5.0 degrees Celsius, please refer to the Chain of Custody for details specific to temperature upon receipt. An infrared thermometer with a tolerance of +/- 2.0 degrees Celsius was used immediately upon receipt of the samples.

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

SW846 7471A

Duplicates:

9010152-DUP1 *Source: SA89407-04*

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

Mercury

SW846 8151A

Laboratory Control Samples:

9010153-BSD2

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

MCPP [2C]

SW846 8260B

Laboratory Control Samples:

9010204-BSD1

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

Acetone
Tert-amyl methyl ether

SW846 8270C

Laboratory Control Samples:

9010185-BS1

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

4-Chloroaniline
Aniline
Hexachlorocyclopentadiene

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C60 (1-3) SA89410-01	127-17797-08011	Soil	31-Dec-08 09:30	02-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	05-Jan-09	05-Jan-09	9010156	
Volatile Organic Compounds						Initial weight: 4.96 g					
Prepared by method SW846 5035A Soil (low level)											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	9.0	1	SW846 8260B	06-Jan-09	06-Jan-09	9010204	X
67-64-1	Acetone	BRL		µg/kg dry	89.7	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	9.0	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	9.0	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	9.0	1	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	9.0	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	9.0	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	9.0	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	17.9	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	89.7	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	9.0	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	9.0	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	9.0	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	44.8	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	9.0	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	9.0	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	17.9	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	9.0	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	17.9	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	9.0	1	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	9.0	1	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	17.9	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	9.0	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	9.0	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	9.0	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	9.0	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	9.0	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	9.0	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	17.9	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	9.0	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	9.0	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	9.0	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	9.0	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	9.0	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	9.0	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	9.0	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	9.0	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	9.0	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	9.0	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	9.0	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	9.0	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	9.0	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	89.7	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	9.0	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	9.0	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	9.0	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	89.7	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	89.7	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	9.0	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C60 (1-3) SA89410-01	127-17797-08011	Soil	31-Dec-08 09:30	02-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
Volatile Organic Compounds											
Prepared by method SW846 5035A Soil (low level)						Initial weight: 4.96 g					
103-65-1	n-Propylbenzene	BRL		µg/kg dry	9.0	1	SW846 8260B	06-Jan-09	06-Jan-09	9010204	X
100-42-5	Styrene	BRL		µg/kg dry	9.0	1	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	9.0	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	9.0	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	9.0	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	9.0	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	9.0	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	9.0	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	9.0	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	9.0	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	9.0	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	9.0	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	9.0	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	9.0	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	9.0	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	9.0	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	9.0	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	17.9	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	9.0	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	89.7	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	9.0	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	9.0	1	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	9.0	1	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	9.0	1	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	89.7	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	179	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	44.8	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	3590	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*86*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*93*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*113*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*100*		*70-130 %*			"	"	"	"	
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
83-32-9	Acenaphthene	BRL		µg/kg dry	449	1	SW846 8270C	06-Jan-09	12-Jan-09	9010185	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	449	1	"	"	"	"	X
62-53-3	Aniline	BRL		µg/kg dry	449	1	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	449	1	"	"	"	"	X
1912-24-9	Atrazine	BRL		µg/kg dry	449	1	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/kg dry	449	1	"	"	"	"	
92-87-5	Benzidine	BRL		µg/kg dry	449	1	"	"	"	"	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	449	1	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	449	1	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	449	1	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	449	1	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	449	1	"	"	"	"	X
65-85-0	Benzoic acid	BRL		µg/kg dry	449	1	"	"	"	"	X
100-51-6	Benzyl alcohol	BRL		µg/kg dry	449	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C60 (1-3) SA89410-01	127-17797-08011	Soil	31-Dec-08 09:30	02-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
111-91-1	Bis(2-chloroethoxy)methane	BRL		µg/kg dry	449	1	SW846 8270C	06-Jan-09	12-Jan-09	9010185	X
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/kg dry	449	1	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	449	1	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	449	1	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/kg dry	449	1	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	BRL		µg/kg dry	449	1	"	"	"	"	X
86-74-8	Carbazole	BRL		µg/kg dry	449	1	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	BRL		µg/kg dry	449	1	"	"	"	"	X
106-47-8	4-Chloroaniline	BRL		µg/kg dry	449	1	"	"	"	"	X
91-58-7	2-Chloronaphthalene	BRL		µg/kg dry	449	1	"	"	"	"	X
95-57-8	2-Chlorophenol	BRL		µg/kg dry	449	1	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/kg dry	449	1	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	449	1	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	449	1	"	"	"	"	X
132-64-9	Dibenzofuran	BRL		µg/kg dry	449	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	449	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	449	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	449	1	"	"	"	"	X
91-94-1	3,3'-Dichlorobenzidine	BRL		µg/kg dry	449	1	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	BRL		µg/kg dry	449	1	"	"	"	"	X
84-66-2	Diethyl phthalate	BRL		µg/kg dry	449	1	"	"	"	"	X
131-11-3	Dimethyl phthalate	BRL		µg/kg dry	449	1	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	BRL		µg/kg dry	449	1	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	BRL		µg/kg dry	449	1	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	449	1	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	BRL		µg/kg dry	449	1	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	BRL		µg/kg dry	449	1	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	BRL		µg/kg dry	449	1	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	BRL		µg/kg dry	449	1	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	449	1	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	449	1	"	"	"	"	X
118-74-1	Hexachlorobenzene	BRL		µg/kg dry	449	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	449	1	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	BRL		µg/kg dry	449	1	"	"	"	"	X
67-72-1	Hexachloroethane	BRL		µg/kg dry	449	1	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	449	1	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	449	1	"	"	"	"	
78-59-1	Isophorone	BRL		µg/kg dry	449	1	"	"	"	"	X
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	449	1	"	"	"	"	X
95-48-7	2-Methylphenol	BRL		µg/kg dry	449	1	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	BRL		µg/kg dry	449	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	449	1	"	"	"	"	X
88-74-4	2-Nitroaniline	BRL		µg/kg dry	449	1	"	"	"	"	X
99-09-2	3-Nitroaniline	BRL		µg/kg dry	449	1	"	"	"	"	X
100-01-6	4-Nitroaniline	BRL		µg/kg dry	1790	1	"	"	"	"	X
98-95-3	Nitrobenzene	BRL		µg/kg dry	449	1	"	"	"	"	X
88-75-5	2-Nitrophenol	BRL		µg/kg dry	449	1	"	"	"	"	X
100-02-7	4-Nitrophenol	BRL		µg/kg dry	1790	1	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	BRL		µg/kg dry	449	1	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/kg dry	449	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C60 (1-3)	127-17797-08011	Soil	31-Dec-08 09:30	02-Jan-09
SA89410-01				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
86-30-6	N-Nitrosodiphenylamine	BRL		µg/kg dry	449	1	SW846 8270C	06-Jan-09	12-Jan-09	9010185	X
87-86-5	Pentachlorophenol	BRL		µg/kg dry	449	1	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	449	1	"	"	"	"	X
108-95-2	Phenol	BRL		µg/kg dry	449	1	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	449	1	"	"	"	"	X
110-86-1	Pyridine	BRL		µg/kg dry	449	1	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	449	1	"	"	"	"	X
95-95-4	2,4,5-Trichlorophenol	BRL		µg/kg dry	449	1	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	BRL		µg/kg dry	449	1	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	BRL		µg/kg dry	449	1	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	449	1	"	"	"	"	X
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*72*		*30-130 %*			"	"	"	"	
367-12-4	*2-Fluorophenol*	*78*		*15-110 %*			"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*70*		*30-130 %*			"	"	"	"	
4165-62-2	*Phenol-d5*	*68*		*15-110 %*			"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*85*		*30-130 %*			"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*76*		*15-110 %*			"	"	"	"	
Semivolatile Organic Compounds by GC											
Polychlorinated Biphenyls by SW846 8082											
Prepared by method SW846 3550B											
12674-11-2	PCB 1016	BRL		µg/kg dry	26.5	1	SW846 8082	07-Jan-09	09-Jan-09	9010280	X
11104-28-2	PCB 1221	BRL		µg/kg dry	26.5	1	"	"	"	"	X
11141-16-5	PCB 1232	BRL		µg/kg dry	26.5	1	"	"	"	"	X
53469-21-9	PCB 1242	BRL		µg/kg dry	26.5	1	"	"	"	"	X
12672-29-6	PCB 1248	BRL		µg/kg dry	26.5	1	"	"	"	"	X
11097-69-1	PCB 1254	BRL		µg/kg dry	26.5	1	"	"	"	"	X
11096-82-5	PCB 1260	BRL		µg/kg dry	26.5	1	"	"	"	"	X
37324-23-5	PCB 1262	BRL		µg/kg dry	26.5	1	"	"	"	"	X
11100-14-4	PCB 1268	BRL		µg/kg dry	26.5	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*81*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*81*		*30-150 %*			"	"	"	"	
Chlorinated Herbicides by SW846 8151A											
Prepared by method SW846 3550B											
93-76-5	2,4,5-T	BRL		µg/kg dry	6.70	1	SW846 8151A	05-Jan-09	08-Jan-09	9010153	X
93-72-1	2,4,5-TP (Silvex)	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-75-7	2,4-D	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-82-6	2,4-DB	BRL		µg/kg dry	6.70	1	"	"	"	"	X
75-99-0	Dalapon	BRL		µg/kg dry	6.70	1	"	"	"	"	X
1918-00-9	Dicamba	BRL		µg/kg dry	6.70	1	"	"	"	"	X
120-36-5	Dichlorprop	BRL		µg/kg dry	6.70	1	"	"	"	"	X
88-85-7	Dinoseb	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-74-6	MCPA	BRL		µg/kg dry	670	1	"	"	"	"	X
94-81-5	MCPB	BRL		µg/kg dry	670	1	"	"	"	"	
93-65-2	MCPP	BRL		µg/kg dry	670	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*99*		*30-150 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C60 (1-3) SA89410-01	127-17797-08011	Soil	31-Dec-08 09:30	02-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3550B											
8006-61-9	Gasoline	BRL		mg/kg dry	18.1	1	+CT ETPH	06-Jan-09	07-Jan-09	9010184	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	18.1	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	18.1	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	18.1	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	18.1	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	18.1	1	"	"	"	"	
	Unidentified	BRL		mg/kg dry	18.1	1	"	"	"	"	
	Other Oil	BRL		mg/kg dry	18.1	1	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL		mg/kg dry	18.1	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	18.1	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*68*		*50-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	BRL		mg/kg dry	1.82	1	SW846 6010B	05-Jan-09	07-Jan-09	9010151	X
7440-38-2	Arsenic	4.39		mg/kg dry	1.82	1	"	"	"	"	X
7440-39-3	Barium	41.5		mg/kg dry	1.21	1	"	"	"	"	X
7440-43-9	Cadmium	BRL		mg/kg dry	0.606	1	"	"	"	"	X
7440-47-3	Chromium	10.0		mg/kg dry	1.21	1	"	"	"	"	X
7439-97-6	Mercury	0.0885		mg/kg dry	0.0395	1	SW846 7471A	"	06-Jan-09	9010152	X
7439-92-1	Lead	55.2		mg/kg dry	1.82	1	SW846 6010B	"	08-Jan-09	9010151	X
7782-49-2	Selenium	2.41		mg/kg dry	1.82	1	"	"	07-Jan-09	"	X
General Chemistry Parameters											
	% Solids	71.9		%		1	SM2540 G Mod.	05-Jan-09	05-Jan-09	9010145	

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010204 - SW846 5035A Soil (low level)										
Blank (9010204-BLK1)										
Prepared & Analyzed: 06-Jan-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg wet	5.0						
Acetone	BRL		µg/kg wet	50.0						
Acrylonitrile	BRL		µg/kg wet	5.0						
Benzene	BRL		µg/kg wet	5.0						
Bromobenzene	BRL		µg/kg wet	5.0						
Bromochloromethane	BRL		µg/kg wet	5.0						
Bromodichloromethane	BRL		µg/kg wet	5.0						
Bromoform	BRL		µg/kg wet	5.0						
Bromomethane	BRL		µg/kg wet	10.0						
2-Butanone (MEK)	BRL		µg/kg wet	50.0						
n-Butylbenzene	BRL		µg/kg wet	5.0						
sec-Butylbenzene	BRL		µg/kg wet	5.0						
tert-Butylbenzene	BRL		µg/kg wet	5.0						
Carbon disulfide	BRL		µg/kg wet	25.0						
Carbon tetrachloride	BRL		µg/kg wet	5.0						
Chlorobenzene	BRL		µg/kg wet	5.0						
Chloroethane	BRL		µg/kg wet	10.0						
Chloroform	BRL		µg/kg wet	5.0						
Chloromethane	BRL		µg/kg wet	10.0						
2-Chlorotoluene	BRL		µg/kg wet	5.0						
4-Chlorotoluene	BRL		µg/kg wet	5.0						
1,2-Dibromo-3-chloropropane	BRL		µg/kg wet	10.0						
Dibromochloromethane	BRL		µg/kg wet	5.0						
1,2-Dibromoethane (EDB)	BRL		µg/kg wet	5.0						
Dibromomethane	BRL		µg/kg wet	5.0						
1,2-Dichlorobenzene	BRL		µg/kg wet	5.0						
1,3-Dichlorobenzene	BRL		µg/kg wet	5.0						
1,4-Dichlorobenzene	BRL		µg/kg wet	5.0						
Dichlorodifluoromethane (Freon12)	BRL		µg/kg wet	10.0						
1,1-Dichloroethane	BRL		µg/kg wet	5.0						
1,2-Dichloroethane	BRL		µg/kg wet	5.0						
1,1-Dichloroethene	BRL		µg/kg wet	5.0						
cis-1,2-Dichloroethene	BRL		µg/kg wet	5.0						
trans-1,2-Dichloroethene	BRL		µg/kg wet	5.0						
1,2-Dichloropropane	BRL		µg/kg wet	5.0						
1,3-Dichloropropane	BRL		µg/kg wet	5.0						
2,2-Dichloropropane	BRL		µg/kg wet	5.0						
1,1-Dichloropropene	BRL		µg/kg wet	5.0						
cis-1,3-Dichloropropene	BRL		µg/kg wet	5.0						
trans-1,3-Dichloropropene	BRL		µg/kg wet	5.0						
Ethylbenzene	BRL		µg/kg wet	5.0						
Hexachlorobutadiene	BRL		µg/kg wet	5.0						
2-Hexanone (MBK)	BRL		µg/kg wet	50.0						
Isopropylbenzene	BRL		µg/kg wet	5.0						
4-Isopropyltoluene	BRL		µg/kg wet	5.0						
Methyl tert-butyl ether	BRL		µg/kg wet	5.0						
4-Methyl-2-pentanone (MIBK)	BRL		µg/kg wet	50.0						
Methylene chloride	BRL		µg/kg wet	50.0						
Naphthalene	BRL		µg/kg wet	5.0						

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010204 - SW846 5035A Soil (low level)										
Blank (9010204-BLK1)										
Prepared & Analyzed: 06-Jan-09										
n-Propylbenzene	BRL		µg/kg wet	5.0						
Styrene	BRL		µg/kg wet	5.0						
1,1,1,2-Tetrachloroethane	BRL		µg/kg wet	5.0						
1,1,2,2-Tetrachloroethane	BRL		µg/kg wet	5.0						
Tetrachloroethene	BRL		µg/kg wet	5.0						
Toluene	BRL		µg/kg wet	5.0						
1,2,3-Trichlorobenzene	BRL		µg/kg wet	5.0						
1,2,4-Trichlorobenzene	BRL		µg/kg wet	5.0						
1,3,5-Trichlorobenzene	BRL		µg/kg wet	5.0						
1,1,1-Trichloroethane	BRL		µg/kg wet	5.0						
1,1,2-Trichloroethane	BRL		µg/kg wet	5.0						
Trichloroethene	BRL		µg/kg wet	5.0						
Trichlorofluoromethane (Freon 11)	BRL		µg/kg wet	5.0						
1,2,3-Trichloropropane	BRL		µg/kg wet	5.0						
1,2,4-Trimethylbenzene	BRL		µg/kg wet	5.0						
1,3,5-Trimethylbenzene	BRL		µg/kg wet	5.0						
Vinyl chloride	BRL		µg/kg wet	5.0						
m,p-Xylene	BRL		µg/kg wet	10.0						
o-Xylene	BRL		µg/kg wet	5.0						
Tetrahydrofuran	BRL		µg/kg wet	50.0						
Ethyl ether	BRL		µg/kg wet	5.0						
Tert-amyl methyl ether	BRL		µg/kg wet	5.0						
Ethyl tert-butyl ether	BRL		µg/kg wet	5.0						
Di-isopropyl ether	BRL		µg/kg wet	5.0						
Tert-Butanol / butyl alcohol	BRL		µg/kg wet	50.0						
1,4-Dioxane	BRL		µg/kg wet	100						
trans-1,4-Dichloro-2-butene	BRL		µg/kg wet	25.0						
Ethanol	BRL		µg/kg wet	2000						
Surrogate: 4-Bromofluorobenzene	*48.6*		µg/kg wet		*50.0*		*97*	*70-130*		
Surrogate: Toluene-d8	*48.8*		µg/kg wet		*50.0*		*98*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*55.0*		µg/kg wet		*50.0*		*110*	*70-130*		
Surrogate: Dibromofluoromethane	*48.0*		µg/kg wet		*50.0*		*96*	*70-130*		
LCS (9010204-BS1)										
Prepared & Analyzed: 06-Jan-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	17.2		µg/kg wet		20.0		86	70-130		
Acetone	12.4		µg/kg wet		20.0		62	7.9-168		
Acrylonitrile	18.4		µg/kg wet		20.0		92	70-130		
Benzene	20.2		µg/kg wet		20.0		101	70-130		
Bromobenzene	17.7		µg/kg wet		20.0		89	70-130		
Bromochloromethane	17.8		µg/kg wet		20.0		89	70-130		
Bromodichloromethane	19.6		µg/kg wet		20.0		98	70-130		
Bromoform	19.0		µg/kg wet		20.0		95	70-130		
Bromomethane	18.9		µg/kg wet		20.0		94	50-134		
2-Butanone (MEK)	19.0		µg/kg wet		20.0		95	44.6-130		
n-Butylbenzene	20.6		µg/kg wet		20.0		103	70-130		
sec-Butylbenzene	19.3		µg/kg wet		20.0		96	70-130		
tert-Butylbenzene	19.7		µg/kg wet		20.0		99	70-130		
Carbon disulfide	21.2		µg/kg wet		20.0		106	70-130		
Carbon tetrachloride	18.7		µg/kg wet		20.0		94	70-130		
Chlorobenzene	18.7		µg/kg wet		20.0		94	70-130		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010204 - SW846 5035A Soil (low level)										
LCS (9010204-BS1)										
Prepared & Analyzed: 06-Jan-09										
Chloroethane	18.3		µg/kg wet		20.0		92	59.2-130		
Chloroform	17.5		µg/kg wet		20.0		87	70-130		
Chloromethane	17.1		µg/kg wet		20.0		86	70-130		
2-Chlorotoluene	20.1		µg/kg wet		20.0		100	70-130		
4-Chlorotoluene	19.4		µg/kg wet		20.0		97	70-130		
1,2-Dibromo-3-chloropropane	22.9		µg/kg wet		20.0		114	70-130		
Dibromochloromethane	18.5		µg/kg wet		20.0		93	63.8-130		
1,2-Dibromoethane (EDB)	18.0		µg/kg wet		20.0		90	70-130		
Dibromomethane	17.3		µg/kg wet		20.0		86	70-130		
1,2-Dichlorobenzene	20.3		µg/kg wet		20.0		102	70-130		
1,3-Dichlorobenzene	18.5		µg/kg wet		20.0		92	70-130		
1,4-Dichlorobenzene	19.7		µg/kg wet		20.0		99	70-130		
Dichlorodifluoromethane (Freon12)	15.7		µg/kg wet		20.0		78	41.8-130		
1,1-Dichloroethane	18.5		µg/kg wet		20.0		92	70-130		
1,2-Dichloroethane	17.9		µg/kg wet		20.0		89	70-130		
1,1-Dichloroethene	20.1		µg/kg wet		20.0		101	70-130		
cis-1,2-Dichloroethene	19.3		µg/kg wet		20.0		97	70-130		
trans-1,2-Dichloroethene	18.6		µg/kg wet		20.0		93	70-130		
1,2-Dichloropropane	19.4		µg/kg wet		20.0		97	70-130		
1,3-Dichloropropane	18.4		µg/kg wet		20.0		92	70-130		
2,2-Dichloropropane	19.1		µg/kg wet		20.0		96	70-130		
1,1-Dichloropropene	18.8		µg/kg wet		20.0		94	70-130		
cis-1,3-Dichloropropene	19.0		µg/kg wet		20.0		95	70-130		
trans-1,3-Dichloropropene	20.3		µg/kg wet		20.0		101	70-130		
Ethylbenzene	19.9		µg/kg wet		20.0		100	70-130		
Hexachlorobutadiene	18.0		µg/kg wet		20.0		90	68.3-130		
2-Hexanone (MBK)	16.3		µg/kg wet		20.0		82	70-130		
Isopropylbenzene	19.1		µg/kg wet		20.0		96	70-130		
4-Isopropyltoluene	20.3		µg/kg wet		20.0		101	70-130		
Methyl tert-butyl ether	19.7		µg/kg wet		20.0		98	70-130		
4-Methyl-2-pentanone (MIBK)	14.8		µg/kg wet		20.0		74	53.1-132		
Methylene chloride	19.5		µg/kg wet		20.0		98	70-130		
Naphthalene	17.9		µg/kg wet		20.0		90	70-130		
n-Propylbenzene	19.4		µg/kg wet		20.0		97	70-130		
Styrene	19.7		µg/kg wet		20.0		98	70-130		
1,1,1,2-Tetrachloroethane	18.3		µg/kg wet		20.0		92	70-130		
1,1,2,2-Tetrachloroethane	18.8		µg/kg wet		20.0		94	70-130		
Tetrachloroethene	17.7		µg/kg wet		20.0		89	70-130		
Toluene	16.7		µg/kg wet		20.0		84	70-130		
1,2,3-Trichlorobenzene	19.7		µg/kg wet		20.0		98	70-130		
1,2,4-Trichlorobenzene	18.8		µg/kg wet		20.0		94	70-130		
1,3,5-Trichlorobenzene	19.4		µg/kg wet		20.0		97	70-130		
1,1,1-Trichloroethane	18.9		µg/kg wet		20.0		94	70-130		
1,1,2-Trichloroethane	18.2		µg/kg wet		20.0		91	70-130		
Trichloroethene	19.1		µg/kg wet		20.0		96	70-130		
Trichlorofluoromethane (Freon 11)	18.6		µg/kg wet		20.0		93	68.2-130		
1,2,3-Trichloropropane	19.3		µg/kg wet		20.0		96	70-130		
1,2,4-Trimethylbenzene	19.7		µg/kg wet		20.0		99	70-130		
1,3,5-Trimethylbenzene	19.6		µg/kg wet		20.0		98	70-130		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010204 - SW846 5035A Soil (low level)										
LCS (9010204-BS1)										
Prepared & Analyzed: 06-Jan-09										
Vinyl chloride	19.6		µg/kg wet		20.0		98	70-130		
m,p-Xylene	40.2		µg/kg wet		40.0		100	70-130		
o-Xylene	19.4		µg/kg wet		20.0		97	70-130		
Tetrahydrofuran	16.9		µg/kg wet		20.0		84	70-130		
Ethyl ether	20.4		µg/kg wet		20.0		102	70-130		
Tert-amyl methyl ether	21.4		µg/kg wet		20.0		107	70-130		
Ethyl tert-butyl ether	20.1		µg/kg wet		20.0		101	70-130		
Di-isopropyl ether	19.3		µg/kg wet		20.0		97	70-130		
Tert-Butanol / butyl alcohol	214		µg/kg wet		200		107	70-130		
1,4-Dioxane	188		µg/kg wet		200		94	48.7-130		
trans-1,4-Dichloro-2-butene	17.9		µg/kg wet		20.0		90	70-130		
Ethanol	369		µg/kg wet		400		92	70-130		
Surrogate: 4-Bromofluorobenzene	*50.6*		µg/kg wet		*50.0*		*101*	*70-130*		
Surrogate: Toluene-d8	*47.7*		µg/kg wet		*50.0*		*95*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*45.1*		µg/kg wet		*50.0*		*90*	*70-130*		
Surrogate: Dibromofluoromethane	*44.6*		µg/kg wet		*50.0*		*89*	*70-130*		
LCS Dup (9010204-BSD1)										
Prepared & Analyzed: 06-Jan-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	17.3		µg/kg wet		20.0		87	70-130	0.8	25
Acetone	5.7	QR2	µg/kg wet		20.0		28	7.9-168	74	50
Acrylonitrile	18.0		µg/kg wet		20.0		90	70-130	2	25
Benzene	20.5		µg/kg wet		20.0		102	70-130	1	25
Bromobenzene	19.0		µg/kg wet		20.0		95	70-130	7	25
Bromochloromethane	17.6		µg/kg wet		20.0		88	70-130	1	25
Bromodichloromethane	19.9		µg/kg wet		20.0		100	70-130	1	25
Bromoform	18.6		µg/kg wet		20.0		93	70-130	2	25
Bromomethane	18.1		µg/kg wet		20.0		90	50-134	4	50
2-Butanone (MEK)	14.7		µg/kg wet		20.0		73	44.6-130	26	50
n-Butylbenzene	21.7		µg/kg wet		20.0		108	70-130	5	25
sec-Butylbenzene	19.8		µg/kg wet		20.0		99	70-130	3	25
tert-Butylbenzene	19.9		µg/kg wet		20.0		99	70-130	0.8	25
Carbon disulfide	21.1		µg/kg wet		20.0		106	70-130	0.05	25
Carbon tetrachloride	19.1		µg/kg wet		20.0		95	70-130	2	25
Chlorobenzene	19.6		µg/kg wet		20.0		98	70-130	5	25
Chloroethane	18.0		µg/kg wet		20.0		90	59.2-130	2	50
Chloroform	18.2		µg/kg wet		20.0		91	70-130	4	25
Chloromethane	17.1		µg/kg wet		20.0		85	70-130	0.2	25
2-Chlorotoluene	20.9		µg/kg wet		20.0		105	70-130	4	25
4-Chlorotoluene	20.0		µg/kg wet		20.0		100	70-130	3	25
1,2-Dibromo-3-chloropropane	17.9		µg/kg wet		20.0		90	70-130	24	25
Dibromochloromethane	18.6		µg/kg wet		20.0		93	63.8-130	0.4	50
1,2-Dibromoethane (EDB)	17.1		µg/kg wet		20.0		85	70-130	5	25
Dibromomethane	16.9		µg/kg wet		20.0		84	70-130	2	25
1,2-Dichlorobenzene	20.0		µg/kg wet		20.0		100	70-130	1	25
1,3-Dichlorobenzene	18.9		µg/kg wet		20.0		95	70-130	3	25
1,4-Dichlorobenzene	19.7		µg/kg wet		20.0		99	70-130	0.05	25
Dichlorodifluoromethane (Freon12)	16.4		µg/kg wet		20.0		82	41.8-130	4	50
1,1-Dichloroethane	19.3		µg/kg wet		20.0		96	70-130	4	25
1,2-Dichloroethane	17.9		µg/kg wet		20.0		89	70-130	0	25
1,1-Dichloroethene	21.2		µg/kg wet		20.0		106	70-130	5	25

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010204 - SW846 5035A Soil (low level)										
LCS Dup (9010204-BSD1)										
Prepared & Analyzed: 06-Jan-09										
cis-1,2-Dichloroethene	19.0		µg/kg wet		20.0		95	70-130	2	25
trans-1,2-Dichloroethene	20.0		µg/kg wet		20.0		100	70-130	7	25
1,2-Dichloropropane	20.0		µg/kg wet		20.0		100	70-130	3	25
1,3-Dichloropropane	17.2		µg/kg wet		20.0		86	70-130	7	25
2,2-Dichloropropane	19.2		µg/kg wet		20.0		96	70-130	0.3	25
1,1-Dichloropropene	19.6		µg/kg wet		20.0		98	70-130	4	25
cis-1,3-Dichloropropene	19.4		µg/kg wet		20.0		97	70-130	2	25
trans-1,3-Dichloropropene	19.6		µg/kg wet		20.0		98	70-130	4	25
Ethylbenzene	20.6		µg/kg wet		20.0		103	70-130	3	25
Hexachlorobutadiene	19.0		µg/kg wet		20.0		95	68.3-130	6	50
2-Hexanone (MBK)	15.5		µg/kg wet		20.0		78	70-130	5	25
Isopropylbenzene	19.8		µg/kg wet		20.0		99	70-130	3	25
4-Isopropyltoluene	20.9		µg/kg wet		20.0		104	70-130	3	25
Methyl tert-butyl ether	19.1		µg/kg wet		20.0		96	70-130	3	25
4-Methyl-2-pentanone (MIBK)	15.9		µg/kg wet		20.0		80	53.1-132	8	50
Methylene chloride	19.3		µg/kg wet		20.0		97	70-130	1	25
Naphthalene	17.2		µg/kg wet		20.0		86	70-130	4	25
n-Propylbenzene	20.0		µg/kg wet		20.0		100	70-130	3	25
Styrene	20.4		µg/kg wet		20.0		102	70-130	4	25
1,1,1,2-Tetrachloroethane	19.3		µg/kg wet		20.0		96	70-130	5	25
1,1,2,2-Tetrachloroethane	17.8		µg/kg wet		20.0		89	70-130	5	25
Tetrachloroethene	17.5		µg/kg wet		20.0		88	70-130	1	25
Toluene	17.6		µg/kg wet		20.0		88	70-130	5	25
1,2,3-Trichlorobenzene	18.7		µg/kg wet		20.0		94	70-130	5	25
1,2,4-Trichlorobenzene	18.2		µg/kg wet		20.0		91	70-130	3	25
1,3,5-Trichlorobenzene	19.7		µg/kg wet		20.0		98	70-130	1	25
1,1,1-Trichloroethane	19.6		µg/kg wet		20.0		98	70-130	4	25
1,1,2-Trichloroethane	17.0		µg/kg wet		20.0		85	70-130	7	25
Trichloroethene	19.6		µg/kg wet		20.0		98	70-130	2	25
Trichlorofluoromethane (Freon 11)	19.7		µg/kg wet		20.0		99	68.2-130	6	50
1,2,3-Trichloropropane	17.3		µg/kg wet		20.0		86	70-130	11	25
1,2,4-Trimethylbenzene	20.3		µg/kg wet		20.0		101	70-130	3	25
1,3,5-Trimethylbenzene	20.2		µg/kg wet		20.0		101	70-130	3	25
Vinyl chloride	19.5		µg/kg wet		20.0		98	70-130	0.3	25
m,p-Xylene	40.6		µg/kg wet		40.0		102	70-130	1	25
o-Xylene	20.1		µg/kg wet		20.0		100	70-130	4	25
Tetrahydrofuran	15.5		µg/kg wet		20.0		78	70-130	8	25
Ethyl ether	18.8		µg/kg wet		20.0		94	70-130	9	50
Tert-amyl methyl ether	16.2	QR2	µg/kg wet		20.0		81	70-130	27	25
Ethyl tert-butyl ether	19.6		µg/kg wet		20.0		98	70-130	3	25
Di-isopropyl ether	18.8		µg/kg wet		20.0		94	70-130	3	25
Tert-Butanol / butyl alcohol	177		µg/kg wet		200		88	70-130	19	25
1,4-Dioxane	163		µg/kg wet		200		82	48.7-130	14	25
trans-1,4-Dichloro-2-butene	18.3		µg/kg wet		20.0		91	70-130	2	25
Ethanol	351		µg/kg wet		400		88	70-130	5	30
Surrogate: 4-Bromofluorobenzene	*50.3*		µg/kg wet		*50.0*		*101*	*70-130*		
Surrogate: Toluene-d8	*48.3*		µg/kg wet		*50.0*		*97*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*44.1*		µg/kg wet		*50.0*		*88*	*70-130*		
Surrogate: Dibromofluoromethane	*44.9*		µg/kg wet		*50.0*		*90*	*70-130*		

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010185 - SW846 3550B										
Blank (9010185-BLK1)										
Prepared: 06-Jan-09 Analyzed: 10-Jan-09										
Acenaphthene	BRL		µg/kg wet	330						
Acenaphthylene	BRL		µg/kg wet	330						
Aniline	BRL		µg/kg wet	330						
Anthracene	BRL		µg/kg wet	330						
Atrazine	BRL		µg/kg wet	330						
Azobenzene/Diphenyldiazine	BRL		µg/kg wet	330						
Benzidine	BRL		µg/kg wet	330						
Benzo (a) anthracene	BRL		µg/kg wet	330						
Benzo (a) pyrene	BRL		µg/kg wet	330						
Benzo (b) fluoranthene	BRL		µg/kg wet	330						
Benzo (g,h,i) perylene	BRL		µg/kg wet	330						
Benzo (k) fluoranthene	BRL		µg/kg wet	330						
Benzoic acid	BRL		µg/kg wet	330						
Benzyl alcohol	BRL		µg/kg wet	330						
Bis(2-chloroethoxy)methane	BRL		µg/kg wet	330						
Bis(2-chloroethyl)ether	BRL		µg/kg wet	330						
Bis(2-chloroisopropyl)ether	BRL		µg/kg wet	330						
Bis(2-ethylhexyl)phthalate	BRL		µg/kg wet	330						
4-Bromophenyl phenyl ether	BRL		µg/kg wet	330						
Butyl benzyl phthalate	BRL		µg/kg wet	330						
Carbazole	BRL		µg/kg wet	330						
4-Chloro-3-methylphenol	BRL		µg/kg wet	330						
4-Chloroaniline	BRL		µg/kg wet	330						
2-Chloronaphthalene	BRL		µg/kg wet	330						
2-Chlorophenol	BRL		µg/kg wet	330						
4-Chlorophenyl phenyl ether	BRL		µg/kg wet	330						
Chrysene	BRL		µg/kg wet	330						
Dibenzo (a,h) anthracene	BRL		µg/kg wet	330						
Dibenzofuran	BRL		µg/kg wet	330						
1,2-Dichlorobenzene	BRL		µg/kg wet	330						
1,3-Dichlorobenzene	BRL		µg/kg wet	330						
1,4-Dichlorobenzene	BRL		µg/kg wet	330						
3,3´-Dichlorobenzidine	BRL		µg/kg wet	330						
2,4-Dichlorophenol	BRL		µg/kg wet	330						
Diethyl phthalate	BRL		µg/kg wet	330						
Dimethyl phthalate	BRL		µg/kg wet	330						
2,4-Dimethylphenol	BRL		µg/kg wet	330						
Di-n-butyl phthalate	BRL		µg/kg wet	330						
4,6-Dinitro-2-methylphenol	BRL		µg/kg wet	330						
2,4-Dinitrophenol	BRL		µg/kg wet	330						
2,4-Dinitrotoluene	BRL		µg/kg wet	330						
2,6-Dinitrotoluene	BRL		µg/kg wet	330						
Di-n-octyl phthalate	BRL		µg/kg wet	330						
Fluoranthene	BRL		µg/kg wet	330						
Fluorene	BRL		µg/kg wet	330						
Hexachlorobenzene	BRL		µg/kg wet	330						
Hexachlorobutadiene	BRL		µg/kg wet	330						
Hexachlorocyclopentadiene	BRL		µg/kg wet	330						
Hexachloroethane	BRL		µg/kg wet	330						

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010185 - SW846 3550B										
Blank (9010185-BLK1)										
Prepared: 06-Jan-09 Analyzed: 10-Jan-09										
Indeno (1,2,3-cd) pyrene	BRL		µg/kg wet	330						
Isophorone	BRL		µg/kg wet	330						
1-Methylnaphthalene	BRL		µg/kg wet	330						
2-Methylnaphthalene	BRL		µg/kg wet	330						
2-Methylphenol	BRL		µg/kg wet	330						
3 & 4-Methylphenol	BRL		µg/kg wet	330						
Naphthalene	BRL		µg/kg wet	330						
2-Nitroaniline	BRL		µg/kg wet	330						
3-Nitroaniline	BRL		µg/kg wet	330						
4-Nitroaniline	BRL		µg/kg wet	1320						
Nitrobenzene	BRL		µg/kg wet	330						
2-Nitrophenol	BRL		µg/kg wet	330						
4-Nitrophenol	BRL		µg/kg wet	1320						
N-Nitrosodimethylamine	BRL		µg/kg wet	330						
N-Nitrosodi-n-propylamine	BRL		µg/kg wet	330						
N-Nitrosodiphenylamine	BRL		µg/kg wet	330						
Pentachlorophenol	BRL		µg/kg wet	330						
Phenanthrene	BRL		µg/kg wet	330						
Phenol	BRL		µg/kg wet	330						
Pyrene	BRL		µg/kg wet	330						
Pyridine	BRL		µg/kg wet	330						
1,2,4-Trichlorobenzene	BRL		µg/kg wet	330						
2,4,5-Trichlorophenol	BRL		µg/kg wet	330						
2,4,6-Trichlorophenol	BRL		µg/kg wet	330						
Pentachloronitrobenzene	BRL		µg/kg wet	330						
1,2,4,5-Tetrachlorobenzene	BRL		µg/kg wet	330						
Surrogate: 2-Fluorobiphenyl	*2340*		µg/kg wet		*3330*		*70*	*30-130*		
Surrogate: 2-Fluorophenol	*2390*		µg/kg wet		*3330*		*72*	*15-110*		
Surrogate: Nitrobenzene-d5	*2260*		µg/kg wet		*3330*		*68*	*30-130*		
Surrogate: Phenol-d5	*2200*		µg/kg wet		*3330*		*66*	*15-110*		
Surrogate: Terphenyl-dl4	*2740*		µg/kg wet		*3330*		*82*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*2460*		µg/kg wet		*3330*		*74*	*15-110*		
LCS (9010185-BS1)										
Prepared: 06-Jan-09 Analyzed: 10-Jan-09										
Acenaphthene	2750		µg/kg wet	330	3330		82	40-130		
Acenaphthylene	2670		µg/kg wet	330	3330		80	40-130		
Aniline	387	QC2	µg/kg wet	330	3330		12	40-130		
Anthracene	2500		µg/kg wet	330	3330		75	40-130		
Atrazine	1830		µg/kg wet	330	3330		55	40-130		
Azobenzene/Diphenyldiazine	2670		µg/kg wet	330	3330		80	40-130		
Benzidine	BRL		µg/kg wet	330	3330			0-130		
Benzo (a) anthracene	3180		µg/kg wet	330	3330		95	40-130		
Benzo (a) pyrene	2800		µg/kg wet	330	3330		84	40-130		
Benzo (b) fluoranthene	2830		µg/kg wet	330	3330		85	40-130		
Benzo (g,h,i) perylene	2860		µg/kg wet	330	3330		86	40-130		
Benzo (k) fluoranthene	2870		µg/kg wet	330	3330		86	40-130		
Benzoic acid	2200		µg/kg wet	330	3330		66	19.5-130		
Benzyl alcohol	2470		µg/kg wet	330	3330		74	40-130		
Bis(2-chloroethoxy)methane	2890		µg/kg wet	330	3330		87	40-130		
Bis(2-chloroethyl)ether	3310		µg/kg wet	330	3330		99	40-130		

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010185 - SW846 3550B										
LCS (9010185-BS1)										
Prepared: 06-Jan-09 Analyzed: 10-Jan-09										
Bis(2-chloroisopropyl)ether	2950		µg/kg wet	330	3330		88	40-130		
Bis(2-ethylhexyl)phthalate	3740		µg/kg wet	330	3330		112	40-130		
4-Bromophenyl phenyl ether	2820		µg/kg wet	330	3330		85	40-130		
Butyl benzyl phthalate	3700		µg/kg wet	330	3330		111	40-130		
Carbazole	2510		µg/kg wet	330	3330		75	40-130		
4-Chloro-3-methylphenol	2690		µg/kg wet	330	3330		81	40-130		
4-Chloroaniline	1260	QC2	µg/kg wet	330	3330		38	40-130		
2-Chloronaphthalene	2540		µg/kg wet	330	3330		76	40-130		
2-Chlorophenol	2600		µg/kg wet	330	3330		78	40-130		
4-Chlorophenyl phenyl ether	3160		µg/kg wet	330	3330		95	40-130		
Chrysene	3280		µg/kg wet	330	3330		98	40-130		
Dibenzo (a,h) anthracene	2910		µg/kg wet	330	3330		87	40-130		
Dibenzofuran	2630		µg/kg wet	330	3330		79	40-130		
1,2-Dichlorobenzene	2330		µg/kg wet	330	3330		70	40-130		
1,3-Dichlorobenzene	2240		µg/kg wet	330	3330		67	40-130		
1,4-Dichlorobenzene	2610		µg/kg wet	330	3330		78	40-130		
3,3'-Dichlorobenzidine	2080		µg/kg wet	330	3330		62	40-130		
2,4-Dichlorophenol	2580		µg/kg wet	330	3330		77	40-130		
Diethyl phthalate	3170		µg/kg wet	330	3330		95	40-130		
Dimethyl phthalate	3180		µg/kg wet	330	3330		95	40-130		
2,4-Dimethylphenol	2420		µg/kg wet	330	3330		73	40-130		
Di-n-butyl phthalate	3050		µg/kg wet	330	3330		91	40-130		
4,6-Dinitro-2-methylphenol	1770		µg/kg wet	330	3330		53	40-130		
2,4-Dinitrophenol	1620		µg/kg wet	330	3330		49	40-130		
2,4-Dinitrotoluene	2860		µg/kg wet	330	3330		86	40-130		
2,6-Dinitrotoluene	2640		µg/kg wet	330	3330		79	40-130		
Di-n-octyl phthalate	3220		µg/kg wet	330	3330		97	40-130		
Fluoranthene	2620		µg/kg wet	330	3330		79	40-130		
Fluorene	2630		µg/kg wet	330	3330		79	40-130		
Hexachlorobenzene	2390		µg/kg wet	330	3330		72	40-130		
Hexachlorobutadiene	2400		µg/kg wet	330	3330		72	40-130		
Hexachlorocyclopentadiene	1050	QC2	µg/kg wet	330	3330		31	40-130		
Hexachloroethane	2390		µg/kg wet	330	3330		72	40-130		
Indeno (1,2,3-cd) pyrene	2960		µg/kg wet	330	3330		89	40-130		
Isophorone	2490		µg/kg wet	330	3330		75	40-130		
1-Methylnaphthalene	2770		µg/kg wet	330	3330		83	40-140		
2-Methylnaphthalene	2850		µg/kg wet	330	3330		86	40-130		
2-Methylphenol	2470		µg/kg wet	330	3330		74	40-130		
3 & 4-Methylphenol	2790		µg/kg wet	330	3330		84	40-130		
Naphthalene	2550		µg/kg wet	330	3330		77	40-130		
2-Nitroaniline	2770		µg/kg wet	330	3330		83	40-130		
3-Nitroaniline	1620		µg/kg wet	330	3330		49	40-130		
4-Nitroaniline	2450		µg/kg wet	1320	3330		73	40-130		
Nitrobenzene	2420		µg/kg wet	330	3330		73	40-130		
2-Nitrophenol	2580		µg/kg wet	330	3330		77	40-130		
4-Nitrophenol	2930		µg/kg wet	1320	3330		88	40-130		
N-Nitrosodimethylamine	2950		µg/kg wet	330	3330		88	40-130		
N-Nitrosodi-n-propylamine	2970		µg/kg wet	330	3330		89	40-130		
N-Nitrosodiphenylamine	2880		µg/kg wet	330	3330		86	40-130		

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010185 - SW846 3550B										
LCS (9010185-BS1)										
Prepared: 06-Jan-09 Analyzed: 10-Jan-09										
Pentachlorophenol	2640		µg/kg wet	330	3330		79	40-130		
Phenanthrene	2600		µg/kg wet	330	3330		78	40-130		
Phenol	2510		µg/kg wet	330	3330		75	40-130		
Pyrene	3240		µg/kg wet	330	3330		97	40-130		
Pyridine	375		µg/kg wet	330	3330		11	0-130		
1,2,4-Trichlorobenzene	2420		µg/kg wet	330	3330		73	40-130		
2,4,5-Trichlorophenol	2750		µg/kg wet	330	3330		82	40-130		
2,4,6-Trichlorophenol	2660		µg/kg wet	330	3330		80	40-130		
Pentachloronitrobenzene	2460		µg/kg wet	330	3330		74	40-140		
1,2,4,5-Tetrachlorobenzene	2430		µg/kg wet	330	3330		73	40-140		
Surrogate: 2-Fluorobiphenyl	*2600*		µg/kg wet		*3330*		*78*	*30-130*		
Surrogate: 2-Fluorophenol	*2330*		µg/kg wet		*3330*		*70*	*15-110*		
Surrogate: Nitrobenzene-d5	*2550*		µg/kg wet		*3330*		*76*	*30-130*		
Surrogate: Phenol-d5	*2500*		µg/kg wet		*3330*		*75*	*15-110*		
Surrogate: Terphenyl-dl4	*2820*		µg/kg wet		*3330*		*85*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*2590*		µg/kg wet		*3330*		*78*	*15-110*		
Duplicate (9010185-DUP1) **Source: SA89355-05**										
Prepared: 06-Jan-09 Analyzed: 10-Jan-09										
Acenaphthene	BRL		µg/kg dry	212		BRL				50
Acenaphthylene	BRL		µg/kg dry	212		BRL				50
Aniline	BRL		µg/kg dry	212		BRL				50
Anthracene	BRL		µg/kg dry	212		BRL				50
Atrazine	BRL		µg/kg dry	212		BRL				50
Azobenzene/Diphenyldiazine	BRL		µg/kg dry	212		BRL				50
Benzidine	BRL		µg/kg dry	212		BRL				50
Benzo (a) anthracene	BRL		µg/kg dry	212		BRL				50
Benzo (a) pyrene	BRL		µg/kg dry	212		BRL				50
Benzo (b) fluoranthene	BRL		µg/kg dry	212		BRL				50
Benzo (g,h,i) perylene	BRL		µg/kg dry	212		BRL				50
Benzo (k) fluoranthene	BRL		µg/kg dry	212		BRL				50
Benzoic acid	BRL		µg/kg dry	212		BRL				50
Benzyl alcohol	BRL		µg/kg dry	212		BRL				50
Bis(2-chloroethoxy)methane	BRL		µg/kg dry	212		BRL				50
Bis(2-chloroethyl)ether	BRL		µg/kg dry	212		BRL				50
Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	212		BRL				50
Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	212		BRL				50
4-Bromophenyl phenyl ether	BRL		µg/kg dry	212		BRL				50
Butyl benzyl phthalate	BRL		µg/kg dry	212		BRL				50
Carbazole	BRL		µg/kg dry	212		BRL				50
4-Chloro-3-methylphenol	BRL		µg/kg dry	212		BRL				50
4-Chloroaniline	BRL		µg/kg dry	212		BRL				50
2-Chloronaphthalene	BRL		µg/kg dry	212		BRL				50
2-Chlorophenol	BRL		µg/kg dry	212		BRL				50
4-Chlorophenyl phenyl ether	BRL		µg/kg dry	212		BRL				50
Chrysene	BRL		µg/kg dry	212		BRL				50
Dibenzo (a,h) anthracene	BRL		µg/kg dry	212		BRL				50
Dibenzofuran	BRL		µg/kg dry	212		BRL				50
1,2-Dichlorobenzene	BRL		µg/kg dry	212		BRL				50
1,3-Dichlorobenzene	BRL		µg/kg dry	212		BRL				50
1,4-Dichlorobenzene	BRL		µg/kg dry	212		BRL				50

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010185 - SW846 3550B										
Duplicate (9010185-DUP1) **Source: SA89355-05**										
Prepared: 06-Jan-09 Analyzed: 10-Jan-09										
3,3'-Dichlorobenzidine	BRL		µg/kg dry	212		BRL				50
2,4-Dichlorophenol	BRL		µg/kg dry	212		BRL				50
Diethyl phthalate	BRL		µg/kg dry	212		BRL				50
Dimethyl phthalate	BRL		µg/kg dry	212		BRL				50
2,4-Dimethylphenol	BRL		µg/kg dry	212		BRL				50
Di-n-butyl phthalate	BRL		µg/kg dry	212		BRL				50
4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	212		BRL				50
2,4-Dinitrophenol	BRL		µg/kg dry	212		BRL				50
2,4-Dinitrotoluene	BRL		µg/kg dry	212		BRL				50
2,6-Dinitrotoluene	BRL		µg/kg dry	212		BRL				50
Di-n-octyl phthalate	BRL		µg/kg dry	212		BRL				50
Fluoranthene	BRL		µg/kg dry	212		BRL				50
Fluorene	BRL		µg/kg dry	212		BRL				50
Hexachlorobenzene	BRL		µg/kg dry	212		BRL				50
Hexachlorobutadiene	BRL		µg/kg dry	212		BRL				50
Hexachlorocyclopentadiene	BRL		µg/kg dry	212		BRL				50
Hexachloroethane	BRL		µg/kg dry	212		BRL				50
Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	212		BRL				50
1-Methylnaphthalene	BRL		µg/kg dry	212		BRL				50
Isophorone	BRL		µg/kg dry	212		BRL				50
2-Methylnaphthalene	BRL		µg/kg dry	212		BRL				50
2-Methylphenol	BRL		µg/kg dry	212		BRL				50
3 & 4-Methylphenol	BRL		µg/kg dry	212		BRL				50
Naphthalene	BRL		µg/kg dry	212		BRL				50
2-Nitroaniline	BRL		µg/kg dry	212		BRL				50
3-Nitroaniline	BRL		µg/kg dry	212		BRL				50
4-Nitroaniline	BRL		µg/kg dry	847		BRL				50
Nitrobenzene	BRL		µg/kg dry	212		BRL				50
2-Nitrophenol	BRL		µg/kg dry	212		BRL				50
4-Nitrophenol	BRL		µg/kg dry	847		BRL				50
N-Nitrosodimethylamine	BRL		µg/kg dry	212		BRL				50
N-Nitrosodi-n-propylamine	BRL		µg/kg dry	212		BRL				50
N-Nitrosodiphenylamine	BRL		µg/kg dry	212		BRL				50
Pentachlorophenol	BRL		µg/kg dry	212		BRL				50
Phenanthrene	BRL		µg/kg dry	212		BRL				50
Phenol	BRL		µg/kg dry	212		BRL				50
Pyrene	BRL		µg/kg dry	212		BRL				50
Pyridine	BRL		µg/kg dry	212		BRL				50
1,2,4-Trichlorobenzene	BRL		µg/kg dry	212		BRL				50
2,4,5-Trichlorophenol	BRL		µg/kg dry	212		BRL				50
2,4,6-Trichlorophenol	BRL		µg/kg dry	212		BRL				50
Pentachloronitrobenzene	BRL		µg/kg dry	212		BRL				50
1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	212		BRL				50
Surrogate: 2-Fluorobiphenyl	*846*		µg/kg dry		*2140*		*40*	*30-130*		
Surrogate: 2-Fluorophenol	*929*		µg/kg dry		*2140*		*43*	*15-110*		
Surrogate: Nitrobenzene-d5	*841*		µg/kg dry		*2140*		*39*	*30-130*		
Surrogate: Phenol-d5	*812*		µg/kg dry		*2140*		*38*	*15-110*		
Surrogate: Terphenyl-dl4	*980*		µg/kg dry		*2140*		*46*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*861*		µg/kg dry		*2140*		*40*	*15-110*		

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010185 - SW846 3550B										
Matrix Spike (9010185-MS1) **Source: SA89355-05**										
Prepared: 06-Jan-09 Analyzed: 10-Jan-09										
Acenaphthene	1780		µg/kg dry	215	2170	BRL	82	40-140		
Benzo (b) fluoranthene	1980		µg/kg dry	215	2170	BRL	91	40-140		
Benzo (k) fluoranthene	1680		µg/kg dry	215	2170	BRL	78	40-140		
4-Chloro-3-methylphenol	1760		µg/kg dry	215	2170	BRL	81	30-130		
2-Chlorophenol	1710		µg/kg dry	215	2170	BRL	79	30-130		
Chrysene	2170		µg/kg dry	215	2170	BRL	100	40-140		
1,4-Dichlorobenzene	1870		µg/kg dry	215	2170	BRL	86	40-140		
Indeno (1,2,3-cd) pyrene	1740		µg/kg dry	215	2170	BRL	80	40-140		
Naphthalene	1700		µg/kg dry	215	2170	BRL	78	40-140		
4-Nitrophenol	1890		µg/kg dry	858	2170	BRL	87	30-130		
N-Nitrosodi-n-propylamine	1890		µg/kg dry	215	2170	BRL	87	40-140		
Pentachlorophenol	1620		µg/kg dry	215	2170	BRL	75	30-130		
Phenol	1610		µg/kg dry	215	2170	BRL	74	30-130		
Pyrene	2130		µg/kg dry	215	2170	BRL	98	40-140		
1,2,4-Trichlorobenzene	1610		µg/kg dry	215	2170	BRL	74	40-140		
Surrogate: 2-Fluorobiphenyl	*1630*		µg/kg dry		*2170*		*75*	*30-130*		
Surrogate: 2-Fluorophenol	*1480*		µg/kg dry		*2170*		*68*	*15-110*		
Surrogate: Nitrobenzene-d5	*1590*		µg/kg dry		*2170*		*73*	*30-130*		
Surrogate: Phenol-d5	*1540*		µg/kg dry		*2170*		*71*	*15-110*		
Surrogate: Terphenyl-d14	*1790*		µg/kg dry		*2170*		*82*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*1590*		µg/kg dry		*2170*		*73*	*15-110*		
Matrix Spike Dup (9010185-MSD1) **Source: SA89355-05**										
Prepared: 06-Jan-09 Analyzed: 10-Jan-09										
Acenaphthene	1790		µg/kg dry	215	2170	BRL	82	40-140	0.00002	30
Benzo (b) fluoranthene	2070		µg/kg dry	215	2170	BRL	96	40-140	4	30
Benzo (k) fluoranthene	1600		µg/kg dry	215	2170	BRL	74	40-140	5	30
4-Chloro-3-methylphenol	1740		µg/kg dry	215	2170	BRL	80	30-130	1	30
2-Chlorophenol	1600		µg/kg dry	215	2170	BRL	74	30-130	7	30
Chrysene	2170		µg/kg dry	215	2170	BRL	100	40-140	0.08	30
1,4-Dichlorobenzene	1660		µg/kg dry	215	2170	BRL	77	40-140	12	30
Indeno (1,2,3-cd) pyrene	1930		µg/kg dry	215	2170	BRL	89	40-140	10	30
Naphthalene	1630		µg/kg dry	215	2170	BRL	75	40-140	4	30
4-Nitrophenol	1960		µg/kg dry	860	2170	BRL	90	30-130	4	30
N-Nitrosodi-n-propylamine	1870		µg/kg dry	215	2170	BRL	86	40-140	0.8	30
Pentachlorophenol	1700		µg/kg dry	215	2170	BRL	78	30-130	4	30
Phenol	1640		µg/kg dry	215	2170	BRL	75	30-130	2	30
Pyrene	2100		µg/kg dry	215	2170	BRL	97	40-140	2	30
1,2,4-Trichlorobenzene	1550		µg/kg dry	215	2170	BRL	71	40-140	4	30
Surrogate: 2-Fluorobiphenyl	*1210*		µg/kg dry		*2170*		*56*	*30-130*		
Surrogate: 2-Fluorophenol	*1060*		µg/kg dry		*2170*		*49*	*15-110*		
Surrogate: Nitrobenzene-d5	*1160*		µg/kg dry		*2170*		*53*	*30-130*		
Surrogate: Phenol-d5	*1230*		µg/kg dry		*2170*		*57*	*15-110*		
Surrogate: Terphenyl-d14	*1310*		µg/kg dry		*2170*		*61*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*1230*		µg/kg dry		*2170*		*56*	*15-110*		

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010153 - SW846 3550B										
Blank (9010153-BLK1)										
Prepared: 05-Jan-09 Analyzed: 08-Jan-09										
2,4,5-T	BRL		µg/kg wet	6.70						
2,4,5-T [2C]	BRL		µg/kg wet	6.70						
2,4,5-TP (Silvex)	BRL		µg/kg wet	6.70						
2,4,5-TP (Silvex) [2C]	BRL		µg/kg wet	6.70						
2,4-D	BRL		µg/kg wet	6.70						
2,4-D [2C]	BRL		µg/kg wet	6.70						
2,4-DB	BRL		µg/kg wet	6.70						
2,4-DB [2C]	BRL		µg/kg wet	6.70						
Dalapon	BRL		µg/kg wet	6.70						
Dalapon [2C]	BRL		µg/kg wet	6.70						
Dicamba	BRL		µg/kg wet	6.70						
Dicamba [2C]	BRL		µg/kg wet	6.70						
Dichlorprop	BRL		µg/kg wet	6.70						
Dichlorprop [2C]	BRL		µg/kg wet	6.70						
Dinoseb	BRL		µg/kg wet	6.70						
Dinoseb [2C]	BRL		µg/kg wet	6.70						
MCPA	BRL		µg/kg wet	670						
MCPA [2C]	BRL		µg/kg wet	670						
MCPB	BRL		µg/kg wet	670						
MCPB [2C]	BRL		µg/kg wet	670						
MCPP	BRL		µg/kg wet	670						
MCPP [2C]	BRL		µg/kg wet	670						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*33.5*		µg/kg wet		*26.7*		*126*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [	*32.9*		µg/kg wet		*26.7*		*123*	*30-150*		
LCS (9010153-BS1)										
Prepared: 05-Jan-09 Analyzed: 08-Jan-09										
2,4,5-T	21.3		µg/kg wet	6.70	33.3		64	40-140		
2,4,5-T [2C]	21.5		µg/kg wet	6.70	33.3		65	40-140		
2,4,5-TP (Silvex)	24.0		µg/kg wet	6.70	33.3		72	40-140		
2,4,5-TP (Silvex) [2C]	26.6		µg/kg wet	6.70	33.3		80	40-140		
2,4-D	20.9		µg/kg wet	6.70	33.3		63	40-140		
2,4-D [2C]	20.5		µg/kg wet	6.70	33.3		61	40-140		
2,4-DB	21.0		µg/kg wet	6.70	33.3		63	40-140		
2,4-DB [2C]	17.4		µg/kg wet	6.70	33.3		52	40-140		
Dalapon	24.1		µg/kg wet	6.70	33.3		72	40-140		
Dalapon [2C]	21.7		µg/kg wet	6.70	33.3		65	40-140		
Dicamba	25.0		µg/kg wet	6.70	33.3		75	40-140		
Dicamba [2C]	22.7		µg/kg wet	6.70	33.3		68	40-140		
Dichlorprop	23.1		µg/kg wet	6.70	33.3		69	40-140		
Dichlorprop [2C]	26.2		µg/kg wet	6.70	33.3		79	40-140		
Dinoseb	26.9		µg/kg wet	6.70	33.3		81	40-140		
Dinoseb [2C]	29.9		µg/kg wet	6.70	33.3		90	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*32.4*		µg/kg wet		*26.7*		*122*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [	*31.7*		µg/kg wet		*26.7*		*119*	*30-150*		
LCS (9010153-BS2)										
Prepared: 05-Jan-09 Analyzed: 08-Jan-09										
MCPA	6200		µg/kg wet	670	10000		62	40-140		
MCPA [2C]	8470		µg/kg wet	670	10000		85	40-140		
MCPB	7730		µg/kg wet	670	10000		77	40-140		

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010153 - SW846 3550B										
LCS (9010153-BS2)										
Prepared: 05-Jan-09 Analyzed: 08-Jan-09										
MCPB [2C]	8600		µg/kg wet	670	10000		86	40-140		
MCPP	7070		µg/kg wet	670	10000		71	40-140		
MCPP [2C]	7330		µg/kg wet	670	10000		73	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*33.8*		µg/kg wet		*26.7*		*127*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [	*31.5*		µg/kg wet		*26.7*		*118*	*30-150*		
LCS Dup (9010153-BSD1)										
Prepared: 05-Jan-09 Analyzed: 08-Jan-09										
2,4,5-T	22.5		µg/kg wet	6.70	33.3		67	40-140	5	25
2,4,5-T [2C]	21.1		µg/kg wet	6.70	33.3		63	40-140	2	25
2,4,5-TP (Silvex)	23.9		µg/kg wet	6.70	33.3		72	40-140	0.3	25
2,4,5-TP (Silvex) [2C]	25.5		µg/kg wet	6.70	33.3		77	40-140	4	25
2,4-D	23.7		µg/kg wet	6.70	33.3		71	40-140	12	25
2,4-D [2C]	23.0		µg/kg wet	6.70	33.3		69	40-140	12	25
2,4-DB	19.7		µg/kg wet	6.70	33.3		59	40-140	6	25
2,4-DB [2C]	21.6		µg/kg wet	6.70	33.3		65	40-140	22	25
Dalapon	23.7		µg/kg wet	6.70	33.3		71	40-140	2	25
Dalapon [2C]	23.1		µg/kg wet	6.70	33.3		69	40-140	6	25
Dicamba	25.1		µg/kg wet	6.70	33.3		75	40-140	0.5	25
Dicamba [2C]	24.4		µg/kg wet	6.70	33.3		73	40-140	7	25
Dichlorprop	24.7		µg/kg wet	6.70	33.3		74	40-140	7	25
Dichlorprop [2C]	26.4		µg/kg wet	6.70	33.3		79	40-140	0.8	25
Dinoseb	27.7		µg/kg wet	6.70	33.3		83	40-140	3	25
Dinoseb [2C]	28.5		µg/kg wet	6.70	33.3		86	40-140	5	25
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*32.8*		µg/kg wet		*26.7*		*123*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [	*29.7*		µg/kg wet		*26.7*		*112*	*30-150*		
LCS Dup (9010153-BSD2)										
Prepared: 05-Jan-09 Analyzed: 08-Jan-09										
MCPA	6270		µg/kg wet	670	10000		63	40-140	1	25
MCPA [2C]	8270		µg/kg wet	670	10000		83	40-140	2	25
MCPB	7670		µg/kg wet	670	10000		77	40-140	0.9	25
MCPB [2C]	8000		µg/kg wet	670	10000		80	40-140	7	25
MCPP	6600		µg/kg wet	670	10000		66	40-140	7	25
MCPP [2C]	5530	QR2	µg/kg wet	670	10000		55	40-140	28	25
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*33.2*		µg/kg wet		*26.7*		*124*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [	*30.4*		µg/kg wet		*26.7*		*114*	*30-150*		
Duplicate (9010153-DUP1) **Source: SA89355-05**										
Prepared: 05-Jan-09 Analyzed: 08-Jan-09										
2,4,5-T	BRL		µg/kg dry	6.70		BRL				30
2,4,5-T [2C]	BRL		µg/kg dry	6.70		BRL				30
2,4,5-TP (Silvex)	BRL		µg/kg dry	6.70		BRL				30
2,4,5-TP (Silvex) [2C]	BRL		µg/kg dry	6.70		BRL				30
2,4-D	BRL		µg/kg dry	6.70		BRL				30
2,4-D [2C]	BRL		µg/kg dry	6.70		BRL				30
2,4-DB	BRL		µg/kg dry	6.70		BRL				30
2,4-DB [2C]	BRL		µg/kg dry	6.70		BRL				30
Dalapon	BRL		µg/kg dry	6.70		BRL				30
Dalapon [2C]	BRL		µg/kg dry	6.70		BRL				30
Dicamba	BRL		µg/kg dry	6.70		BRL				30
Dicamba [2C]	BRL		µg/kg dry	6.70		BRL				30

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010153 - SW846 3550B										
Duplicate (9010153-DUP1) **Source: SA89355-05**										
Prepared: 05-Jan-09 Analyzed: 08-Jan-09										
Dichlorprop	BRL		µg/kg dry	6.70		BRL				30
Dichlorprop [2C]	BRL		µg/kg dry	6.70		BRL				30
Dinoseb	BRL		µg/kg dry	6.70		BRL				30
Dinoseb [2C]	BRL		µg/kg dry	6.70		BRL				30
MCPA	BRL		µg/kg dry	670		BRL				30
MCPA [2C]	BRL		µg/kg dry	670		BRL				30
MCPB	BRL		µg/kg dry	670		BRL				30
MCPB [2C]	BRL		µg/kg dry	670		BRL				30
MCPP	BRL		µg/kg dry	670		BRL				30
MCPP [2C]	BRL		µg/kg dry	670		BRL				30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*16.9*		µg/kg dry		*34.4*		*49*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [	*14.7*		µg/kg dry		*34.4*		*43*	*30-150*		
Batch 9010280 - SW846 3550B										
Blank (9010280-BLK1)										
Prepared: 07-Jan-09 Analyzed: 09-Jan-09										
PCB 1016	BRL		µg/kg wet	20.0						
PCB 1221	BRL		µg/kg wet	20.0						
PCB 1232	BRL		µg/kg wet	20.0						
PCB 1242	BRL		µg/kg wet	20.0						
PCB 1248	BRL		µg/kg wet	20.0						
PCB 1254	BRL		µg/kg wet	20.0						
PCB 1260	BRL		µg/kg wet	20.0						
PCB 1262	BRL		µg/kg wet	20.0						
PCB 1268	BRL		µg/kg wet	20.0						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*17.6*		µg/kg wet		*20.0*		*88*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*19.8*		µg/kg wet		*20.0*		*99*	*30-150*		
LCS (9010280-BS1)										
Prepared: 07-Jan-09 Analyzed: 09-Jan-09										
PCB 1016	232		µg/kg wet	20.0	250		93	40-140		
PCB 1260	246		µg/kg wet	20.0	250		99	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*16.2*		µg/kg wet		*20.0*		*81*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*18.0*		µg/kg wet		*20.0*		*90*	*30-150*		
LCS Dup (9010280-BSD1)										
Prepared: 07-Jan-09 Analyzed: 09-Jan-09										
PCB 1016	242		µg/kg wet	20.0	250		97	40-140	4	30
PCB 1260	252		µg/kg wet	20.0	250		101	40-140	2	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*16.3*		µg/kg wet		*20.0*		*82*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*18.5*		µg/kg wet		*20.0*		*92*	*30-150*		
Duplicate (9010280-DUP1) **Source: SA89494-01**										
Prepared: 07-Jan-09 Analyzed: 09-Jan-09										
PCB 1016	BRL		µg/kg dry	22.0		BRL				40
PCB 1221	BRL		µg/kg dry	22.0		BRL				40
PCB 1232	BRL		µg/kg dry	22.0		BRL				40
PCB 1242	BRL		µg/kg dry	22.0		BRL				40
PCB 1248	BRL		µg/kg dry	22.0		BRL				40
PCB 1254	BRL		µg/kg dry	22.0		BRL				40
PCB 1260	BRL		µg/kg dry	22.0		BRL				40
PCB 1262	BRL		µg/kg dry	22.0		BRL				40
PCB 1268	BRL		µg/kg dry	22.0		BRL				40

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010280 - SW846 3550B										
Duplicate (9010280-DUP1) **Source: SA89494-01**										
Prepared: 07-Jan-09 Analyzed: 09-Jan-09										
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*18.2*		µg/kg dry		*22.0*		*82*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*21.3*		µg/kg dry		*22.0*		*96*	*30-150*		
Matrix Spike (9010280-MS1) **Source: SA89494-01**										
Prepared: 07-Jan-09 Analyzed: 09-Jan-09										
PCB 1016	267		µg/kg dry	21.5	269	BRL	99	40-140		
PCB 1260	282		µg/kg dry	21.5	269	BRL	105	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*17.7*		µg/kg dry		*21.5*		*82*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*19.7*		µg/kg dry		*21.5*		*91*	*30-150*		
Matrix Spike Dup (9010280-MSD1) **Source: SA89494-01**										
Prepared: 07-Jan-09 Analyzed: 09-Jan-09										
PCB 1016	246		µg/kg dry	21.5	269	BRL	92	40-140	8	50
PCB 1260	294		µg/kg dry	21.5	269	BRL	109	40-140	4	50
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*17.2*		µg/kg dry		*21.5*		*80*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*18.2*		µg/kg dry		*21.5*		*84*	*30-150*		

Extractable Petroleum Hydrocarbons - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010184 - SW846 3550B										
Blank (9010184-BLK1)										
Prepared: 06-Jan-09 Analyzed: 07-Jan-09										
Gasoline	BRL		mg/kg wet	13.3						
Fuel Oil #2	BRL		mg/kg wet	13.3						
Fuel Oil #4	BRL		mg/kg wet	13.3						
Fuel Oil #6	BRL		mg/kg wet	13.3						
Motor Oil	BRL		mg/kg wet	13.3						
Aviation Fuel	BRL		mg/kg wet	13.3						
Unidentified	BRL		mg/kg wet	13.3						
Other Oil	BRL		mg/kg wet	13.3						
Total Petroleum Hydrocarbons	BRL		mg/kg wet	13.3						
C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg wet	13.3						
Surrogate: 1-Chlorooctadecane	*3.11*		mg/kg wet		*3.33*		*93*	*50-150*		
LCS (9010184-BS1)										
Prepared: 06-Jan-09 Analyzed: 07-Jan-09										
C9-C36 Aliphatic Hydrocarbons	57.8		mg/kg wet	13.3	93.3		62	60-120		
Surrogate: 1-Chlorooctadecane	*2.32*		mg/kg wet		*3.33*		*69*	*50-150*		
Duplicate (9010184-DUP1) **Source: SA89355-05**										
Prepared: 06-Jan-09 Analyzed: 07-Jan-09										
Gasoline	BRL		mg/kg dry	17.1		BRL				50
Fuel Oil #2	BRL		mg/kg dry	17.1		BRL				50
Fuel Oil #4	BRL		mg/kg dry	17.1		BRL				50
Fuel Oil #6	BRL		mg/kg dry	17.1		BRL				50
Motor Oil	BRL		mg/kg dry	17.1		BRL				50
Aviation Fuel	BRL		mg/kg dry	17.1		BRL				50
Unidentified	BRL		mg/kg dry	17.1		BRL				50
Other Oil	BRL		mg/kg dry	17.1		BRL				50
Total Petroleum Hydrocarbons	BRL		mg/kg dry	17.1		BRL				50
C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	17.1		BRL				50
Surrogate: 1-Chlorooctadecane	*2.30*		mg/kg dry		*2.14*		*107*	*50-150*		
Matrix Spike (9010184-MS1) **Source: SA89355-05**										
Prepared: 06-Jan-09 Analyzed: 07-Jan-09										
C9-C36 Aliphatic Hydrocarbons	76.9		mg/kg dry	17.1	120	BRL	64	50-150		
Surrogate: 1-Chlorooctadecane	*3.31*		mg/kg dry		*4.28*		*77*	*50-150*		
Matrix Spike Dup (9010184-MSD1) **Source: SA89355-05**										
Prepared: 06-Jan-09 Analyzed: 07-Jan-09										
C9-C36 Aliphatic Hydrocarbons	87.3		mg/kg dry	17.0	119	BRL	73	50-150	13	30
Surrogate: 1-Chlorooctadecane	*3.66*		mg/kg dry		*4.26*		*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 9010151 - SW846 3050B										
Blank (9010151-BLK1)										
Prepared: 05-Jan-09 Analyzed: 08-Jan-09										
Lead	BRL		mg/kg wet	1.45						
Selenium	BRL		mg/kg wet	1.45						
Cadmium	BRL		mg/kg wet	0.485						
Arsenic	BRL		mg/kg wet	1.45						
Silver	BRL		mg/kg wet	1.45						
Chromium	BRL		mg/kg wet	0.969						
Barium	BRL		mg/kg wet	0.969						
Duplicate (9010151-DUP1) **Source: SA89407-04**										
Prepared: 05-Jan-09 Analyzed: 08-Jan-09										
Lead	7.60		mg/kg dry	1.66		7.69			1	20
Selenium	1.21	J	mg/kg dry	1.66		1.19			1	20
Chromium	5.65		mg/kg dry	1.11		6.08			7	20
Arsenic	1.24	J	mg/kg dry	1.66		1.34			8	20
Silver	BRL		mg/kg dry	1.66		BRL				20
Cadmium	0.371	J	mg/kg dry	0.553		0.344			8	20
Barium	43.9		mg/kg dry	1.11		45.3			3	20
Matrix Spike (9010151-MS1) **Source: SA89407-05**										
Prepared: 05-Jan-09 Analyzed: 08-Jan-09										
Lead	137		mg/kg dry	1.65	138	7.56	94	75-125		
Selenium	154		mg/kg dry	1.65	138	1.22	111	75-125		
Cadmium	148		mg/kg dry	0.551	138	0.372	108	75-125		
Chromium	142		mg/kg dry	1.10	138	6.15	99	75-125		
Arsenic	131		mg/kg dry	1.65	138	1.36	94	75-125		
Silver	133		mg/kg dry	1.65	138	BRL	97	75-125		
Barium	182		mg/kg dry	1.10	138	50.4	96	75-125		
Matrix Spike Dup (9010151-MSD1) **Source: SA89407-05**										
Prepared: 05-Jan-09 Analyzed: 06-Jan-09										
Selenium	137		mg/kg dry	1.47	122	1.22	111	75-125	12	20
Lead	124		mg/kg dry	1.47	122	7.56	95	75-125	10	20
Silver	118		mg/kg dry	1.47	122	BRL	96	75-125	12	20
Chromium	129		mg/kg dry	0.978	122	6.15	101	75-125	9	20
Cadmium	134		mg/kg dry	0.489	122	0.372	110	75-125	10	20
Arsenic	113		mg/kg dry	1.47	122	1.36	92	75-125	14	20
Barium	175		mg/kg dry	0.978	122	50.4	102	75-125	4	20
Post Spike (9010151-PS1) **Source: SA89407-05**										
Prepared: 05-Jan-09 Analyzed: 06-Jan-09										
Selenium	145		mg/kg dry	1.56	130	1.22	111	80-120		
Lead	131		mg/kg dry	1.56	130	7.56	95	80-120		
Cadmium	141		mg/kg dry	0.520	130	0.372	108	80-120		
Arsenic	132		mg/kg dry	1.56	130	1.36	100	80-120		
Chromium	134		mg/kg dry	1.04	130	6.15	98	80-120		
Silver	127		mg/kg dry	1.56	130	BRL	98	80-120		
Barium	181		mg/kg dry	1.04	130	50.4	100	80-120		
Reference (9010151-SRM1)										
Prepared: 05-Jan-09 Analyzed: 08-Jan-09										
Lead	43.6		mg/kg wet	1.50	44.6		98	78.8-120.9		
Selenium	164		mg/kg wet	1.50	148		111	76.6-123.1		

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

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010151 - SW846 3050B										
Reference (9010151-SRM1)										
Prepared: 05-Jan-09 Analyzed: 07-Jan-09										
Arsenic	51.7		mg/kg wet	1.50	53.9		96	77.6-123.1		
Silver	15.2		mg/kg wet	1.50	15.6		97	66.4-133.6		
Cadmium	32.4		mg/kg wet	0.500	31.4		103	80.9-119.3		
Chromium	117		mg/kg wet	1.00	122		95	79.7-120.3		
Barium	83.0		mg/kg wet	1.00	103		81	79.8-119.7		
Reference (9010151-SRM2)										
Prepared: 05-Jan-09 Analyzed: 08-Jan-09										
Lead	42.3		mg/kg wet	1.50	44.3		96	78.8-120.9		
Selenium	168		mg/kg wet	1.50	147		114	76.6-123.1		
Cadmium	33.8		mg/kg wet	0.500	31.3		108	80.9-119.3		
Arsenic	52.1		mg/kg wet	1.50	53.5		97	77.6-123.1		
Chromium	124		mg/kg wet	1.00	122		102	79.7-120.3		
Silver	15.2		mg/kg wet	1.50	15.5		98	66.4-133.6		
Barium	83.2		mg/kg wet	1.00	102		82	79.8-119.7		
Batch 9010152 - EPA200/SW7000 Series										
Blank (9010152-BLK1)										
Prepared: 05-Jan-09 Analyzed: 06-Jan-09										
Mercury	BRL		mg/kg wet	0.0293						
Duplicate (9010152-DUP1) **Source: SA89407-04**										
Prepared: 05-Jan-09 Analyzed: 06-Jan-09										
Mercury	0.0178	J,QR8	mg/kg dry	0.0331		0.0143			22	20
Matrix Spike (9010152-MS1) **Source: SA89407-05**										
Prepared: 05-Jan-09 Analyzed: 06-Jan-09										
Mercury	0.419		mg/kg dry	0.0293	0.407	0.0113	100	75-125		
Matrix Spike Dup (9010152-MSD1) **Source: SA89407-05**										
Prepared: 05-Jan-09 Analyzed: 06-Jan-09										
Mercury	0.425		mg/kg dry	0.0297	0.413	0.0113	100	75-125	1	20
Post Spike (9010152-PS1) **Source: SA89407-05**										
Prepared: 05-Jan-09 Analyzed: 06-Jan-09										
Mercury	0.489		mg/kg dry	0.0327	0.454	0.0113	105	80-120		
Reference (9010152-SRM1)										
Prepared: 05-Jan-09 Analyzed: 06-Jan-09										
Mercury	2.13		mg/kg wet	0.0300	2.23		96	71.7-128.8		

General Chemistry Parameters - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010145 - General Preparation										
Duplicate (9010145-DUP1) **Source: SA89399-01**										
Prepared & Analyzed: 05-Jan-09										
% Solids	72.4		%			80.0			10	20

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

* Reportable Detection Limit BRL = Below Reporting Limit

Notes and Definitions

QC2	Analyte out of acceptance range in QC spike but no reportable concentration present in sample.
QR2	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
QR8	Analyses are not controlled on RPD values from sample concentrations that are less than 5 times the reporting level. The batch is accepted based upon the difference between the sample and duplicate is less than or equal to the reporting limit.
BRL	Below Reporting Limit - Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference
J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).

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

Interpretation of Total Petroleum Hydrocarbon Report

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

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

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

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

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

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

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

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

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

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

Validated by:
Hanibal C. Tayeh, Ph.D.

SA89410 CK

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CHAIN OF CUSTODY RECORD

Page 1 of 1

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

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

Project Mgr.: David Brassard

Invoice To: DAS # 44236

P.O. No.: _____ RQN: _____

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

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

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

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analyses: VOC 8260	SVOC 8270	CT ETPH	PCB 8080	Herbicides 8151	Total RCRA Metals		
SA89410-01	RSB-C60(1-3)	12/31/08	930	G	SO	7	3	2			X	X	X	X	X	X		

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

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

State specific reporting standards: CT

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

Condition upon receipt: ☐ Iced ☐ Ambient ☐ °C 5.0C

Relinquished by:	Received by:	Date:	Time:
Patrick dePaula		1/2/09	9:15am
		1/2/09	18:00

Report Date:
11-Feb-09 17:44

☐ Final Report
☐ Re-Issued Report
☑ Revised Report

SPECTRUM ANALYTICAL, INC.
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Laboratory Report

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

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

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SA89497-01	RSB-C61	Soil	05-Jan-09 08:45	06-Jan-09 16:03
SA89497-02	RSB-C62	Soil	05-Jan-09 09:15	06-Jan-09 16:03
SA89497-03	RSB-C63	Soil	05-Jan-09 09:45	06-Jan-09 16:03
SA89497-04	RSB-C64	Soil	05-Jan-09 10:30	06-Jan-09 16:03
SA89497-05	RSB-C65	Soil	05-Jan-09 11:00	06-Jan-09 16:03

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

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

Authorized by:

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

Technical Reviewer's Initial:

Spectrum Analytical holds certification in the State of New York for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of New York does not offer certification for all analytes.
Please note that this report contains 51 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supercedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report is available upon request. This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

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Please contact the Laboratory or Technical Director at 800-789-9115 with any questions regarding the data contained in this laboratory report.

CASE NARRATIVE:

The samples were received 5.0 degrees Celsius, please refer to the Chain of Custody for details specific to temperature upon receipt. An infrared thermometer with a tolerance of +/- 2.0 degrees Celsius was used immediately upon receipt of the samples.

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

SW846 1311

Samples:

SA89497-02 *RSB-C62*

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

TCLP Extraction

SA89497-04 *RSB-C64*

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

TCLP Extraction

SA89497-05 *RSB-C65*

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

TCLP Extraction

SW846 6010B

Spikes:

9010321-MS1 *Source: SA89494-07*

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

Lead

9010321-MSD1 *Source: SA89494-07*

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

Lead

Duplicates:

9010321-DUP1 *Source: SA87647-04*

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

Arsenic
Selenium

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

Lead

SW846 7471A

SW846 7471A

Spikes:

9010322-MS1 *Source: SA89494-07*

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

Mercury

SW846 8151A

Laboratory Control Samples:

9010356-BSD1

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

Dalapon [2C]

SW846 8260B

Laboratory Control Samples:

9010383-BSD1

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

Tert-amyl methyl ether

Samples:

SA89497-02 *RSB-C62*

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

SA89497-03 *RSB-C63*

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

SW846 8270C

Laboratory Control Samples:

9010357-BS1

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

Aniline

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C61 SA89497-01	127-17797-08011	Soil	05-Jan-09 08:45	06-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	07-Jan-09	07-Jan-09	9010311	
Volatile Organic Compounds						Initial weight: 5.42 g					
Prepared by method SW846 5035A Soil (low level)											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	6.9	1	SW846 8260B	08-Jan-09	09-Jan-09	9010383	X
67-64-1	Acetone	BRL		µg/kg dry	68.9	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	6.9	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	6.9	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	6.9	1	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	6.9	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	6.9	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	6.9	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	13.8	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	68.9	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	6.9	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	6.9	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	6.9	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	34.5	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	6.9	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	6.9	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	13.8	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	6.9	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	13.8	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	6.9	1	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	6.9	1	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	13.8	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	6.9	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	6.9	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	6.9	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	6.9	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	6.9	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	6.9	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	13.8	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	6.9	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	6.9	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	6.9	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	6.9	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	6.9	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	6.9	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	6.9	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	6.9	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	6.9	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	6.9	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	6.9	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	6.9	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	6.9	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	68.9	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	6.9	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	6.9	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	6.9	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	68.9	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	68.9	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	6.9	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C61 SA89497-01	127-17797-08011	Soil	05-Jan-09 08:45	06-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
Volatile Organic Compounds						Initial weight: 5.42 g					
Prepared by method SW846 5035A Soil (low level)											
103-65-1	n-Propylbenzene	BRL		µg/kg dry	6.9	1	SW846 8260B	08-Jan-09	09-Jan-09	9010383	X
100-42-5	Styrene	BRL		µg/kg dry	6.9	1	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	6.9	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	6.9	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	6.9	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	6.9	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	6.9	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	6.9	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	6.9	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	6.9	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	6.9	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	6.9	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	6.9	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	6.9	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	6.9	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	6.9	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	6.9	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	13.8	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	6.9	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	68.9	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	6.9	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	6.9	1	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	6.9	1	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	6.9	1	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	68.9	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	138	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	34.5	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	2760	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*92*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*94*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*115*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*99*		*70-130 %*			"	"	"	"	
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3545A											
83-32-9	Acenaphthene	BRL		µg/kg dry	399	1	SW846 8270C	08-Jan-09	10-Jan-09	9010357	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	399	1	"	"	"	"	X
62-53-3	Aniline	BRL		µg/kg dry	399	1	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	399	1	"	"	"	"	X
1912-24-9	Atrazine	BRL		µg/kg dry	399	1	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/kg dry	399	1	"	"	"	"	
92-87-5	Benzidine	BRL		µg/kg dry	399	1	"	"	"	"	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	399	1	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	399	1	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	399	1	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	399	1	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	399	1	"	"	"	"	X
65-85-0	Benzoic acid	BRL		µg/kg dry	399	1	"	"	"	"	X
100-51-6	Benzyl alcohol	BRL		µg/kg dry	399	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C61	127-17797-08011	Soil	05-Jan-09 08:45	06-Jan-09
SA89497-01				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3545A											
111-91-1	Bis(2-chloroethoxy)methane	BRL		µg/kg dry	399	1	SW846 8270C	08-Jan-09	10-Jan-09	9010357	X
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/kg dry	399	1	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	399	1	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	399	1	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/kg dry	399	1	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	BRL		µg/kg dry	399	1	"	"	"	"	X
86-74-8	Carbazole	BRL		µg/kg dry	399	1	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	BRL		µg/kg dry	399	1	"	"	"	"	X
106-47-8	4-Chloroaniline	BRL		µg/kg dry	399	1	"	"	"	"	X
91-58-7	2-Chloronaphthalene	BRL		µg/kg dry	399	1	"	"	"	"	X
95-57-8	2-Chlorophenol	BRL		µg/kg dry	399	1	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/kg dry	399	1	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	399	1	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	399	1	"	"	"	"	X
132-64-9	Dibenzofuran	BRL		µg/kg dry	399	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	399	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	399	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	399	1	"	"	"	"	X
91-94-1	3,3'-Dichlorobenzidine	BRL		µg/kg dry	399	1	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	BRL		µg/kg dry	399	1	"	"	"	"	X
84-66-2	Diethyl phthalate	BRL		µg/kg dry	399	1	"	"	"	"	X
131-11-3	Dimethyl phthalate	BRL		µg/kg dry	399	1	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	BRL		µg/kg dry	399	1	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	BRL		µg/kg dry	399	1	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	399	1	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	BRL		µg/kg dry	399	1	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	BRL		µg/kg dry	399	1	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	BRL		µg/kg dry	399	1	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	BRL		µg/kg dry	399	1	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	399	1	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	399	1	"	"	"	"	X
118-74-1	Hexachlorobenzene	BRL		µg/kg dry	399	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	399	1	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	BRL		µg/kg dry	399	1	"	"	"	"	X
67-72-1	Hexachloroethane	BRL		µg/kg dry	399	1	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	399	1	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	399	1	"	"	"	"	
78-59-1	Isophorone	BRL		µg/kg dry	399	1	"	"	"	"	X
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	399	1	"	"	"	"	X
95-48-7	2-Methylphenol	BRL		µg/kg dry	399	1	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	BRL		µg/kg dry	399	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	399	1	"	"	"	"	X
88-74-4	2-Nitroaniline	BRL		µg/kg dry	399	1	"	"	"	"	X
99-09-2	3-Nitroaniline	BRL		µg/kg dry	399	1	"	"	"	"	X
100-01-6	4-Nitroaniline	BRL		µg/kg dry	1600	1	"	"	"	"	X
98-95-3	Nitrobenzene	BRL		µg/kg dry	399	1	"	"	"	"	X
88-75-5	2-Nitrophenol	BRL		µg/kg dry	399	1	"	"	"	"	X
100-02-7	4-Nitrophenol	BRL		µg/kg dry	1600	1	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	BRL		µg/kg dry	399	1	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/kg dry	399	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C61 SA89497-01	127-17797-08011	Soil	05-Jan-09 08:45	06-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3545A											
86-30-6	N-Nitrosodiphenylamine	BRL		µg/kg dry	399	1	SW846 8270C	08-Jan-09	10-Jan-09	9010357	X
87-86-5	Pentachlorophenol	BRL		µg/kg dry	399	1	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	399	1	"	"	"	"	X
108-95-2	Phenol	BRL		µg/kg dry	399	1	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	399	1	"	"	"	"	X
110-86-1	Pyridine	BRL		µg/kg dry	399	1	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	399	1	"	"	"	"	X
95-95-4	2,4,5-Trichlorophenol	BRL		µg/kg dry	399	1	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	BRL		µg/kg dry	399	1	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	BRL		µg/kg dry	399	1	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	399	1	"	"	"	"	X
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*68*		*30-130 %*			"	"	"	"	
367-12-4	*2-Fluorophenol*	*71*		*15-110 %*			"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*65*		*30-130 %*			"	"	"	"	
4165-62-2	*Phenol-d5*	*63*		*15-110 %*			"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*84*		*30-130 %*			"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*72*		*15-110 %*			"	"	"	"	
Semivolatile Organic Compounds by GC											
Polychlorinated Biphenyls by SW846 8082											
Prepared by method SW846 3545A											
12674-11-2	PCB 1016	BRL		µg/kg dry	23.5	1	SW846 8082	08-Jan-09	09-Jan-09	9010360	X
11104-28-2	PCB 1221	BRL		µg/kg dry	23.5	1	"	"	"	"	X
11141-16-5	PCB 1232	BRL		µg/kg dry	23.5	1	"	"	"	"	X
53469-21-9	PCB 1242	BRL		µg/kg dry	23.5	1	"	"	"	"	X
12672-29-6	PCB 1248	BRL		µg/kg dry	23.5	1	"	"	"	"	X
11097-69-1	PCB 1254	BRL		µg/kg dry	23.5	1	"	"	"	"	X
11096-82-5	PCB 1260	BRL		µg/kg dry	23.5	1	"	"	"	"	X
37324-23-5	PCB 1262	BRL		µg/kg dry	23.5	1	"	"	"	"	X
11100-14-4	PCB 1268	BRL		µg/kg dry	23.5	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*78*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*72*		*30-150 %*			"	"	"	"	
Chlorinated Herbicides by SW846 8151A											
Prepared by method SW846 3550B											
93-76-5	2,4,5-T	BRL		µg/kg dry	6.70	1	SW846 8151A	08-Jan-09	09-Jan-09	9010356	X
93-72-1	2,4,5-TP (Silvex)	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-75-7	2,4-D	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-82-6	2,4-DB	BRL		µg/kg dry	6.70	1	"	"	"	"	X
75-99-0	Dalapon	BRL		µg/kg dry	6.70	1	"	"	"	"	X
1918-00-9	Dicamba	BRL		µg/kg dry	6.70	1	"	"	"	"	X
120-36-5	Dichlorprop	BRL		µg/kg dry	6.70	1	"	"	"	"	X
88-85-7	Dinoseb	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-74-6	MCPA	BRL		µg/kg dry	670	1	"	"	"	"	X
94-81-5	MCPB	BRL		µg/kg dry	670	1	"	"	"	"	
93-65-2	MCPP	BRL		µg/kg dry	670	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*95*		*30-150 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C61	127-17797-08011	Soil	05-Jan-09 08:45	06-Jan-09
SA89497-01				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3550B											
8006-61-9	Gasoline	BRL		mg/kg dry	16.1	1	+CT ETPH	08-Jan-09	09-Jan-09	9010359	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	16.1	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	16.1	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	16.1	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	16.1	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	16.1	1	"	"	"	"	
	Unidentified	BRL		mg/kg dry	16.1	1	"	"	"	"	
	Other Oil	BRL		mg/kg dry	16.1	1	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL		mg/kg dry	16.1	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	16.1	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*96*		*50-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	BRL		mg/kg dry	1.78	1	SW846 6010B	07-Jan-09	09-Jan-09	9010321	X
7440-38-2	Arsenic	2.53		mg/kg dry	1.78	1	"	"	"	"	X
7440-39-3	Barium	42.3		mg/kg dry	1.19	1	"	"	09-Jan-09	"	X
7440-43-9	Cadmium	BRL		mg/kg dry	0.594	1	"	"	09-Jan-09	"	X
7440-47-3	Chromium	10.3		mg/kg dry	1.19	1	"	"	"	"	X
7439-97-6	Mercury	0.145		mg/kg dry	0.0331	1	SW846 7471A	"	12-Jan-09	9010322	X
7439-92-1	Lead	20.9		mg/kg dry	1.78	1	SW846 6010B	"	09-Jan-09	9010321	X
7782-49-2	Selenium	2.01		mg/kg dry	1.78	1	"	"	"	"	X
General Chemistry Parameters											
	% Solids	80.8		%		1	SM2540 G Mod.	08-Jan-09	08-Jan-09	9010421	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C62 SA89497-02	127-17797-08011	Soil	05-Jan-09 09:15	06-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	07-Jan-09	07-Jan-09	9010311	
Volatile Organic Compounds			VC10			Initial weight: 6.69 g					
Prepared by method SW846 5035A Soil (low level)											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	7.6	1	SW846 8260B	08-Jan-09	09-Jan-09	9010383	X
67-64-1	Acetone	BRL		µg/kg dry	75.9	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	7.6	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	7.6	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	7.6	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	7.6	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	15.2	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	75.9	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	37.9	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	7.6	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	15.2	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	7.6	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	15.2	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	15.2	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	7.6	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	7.6	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	7.6	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	15.2	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	7.6	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	7.6	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	7.6	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	7.6	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	7.6	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	75.9	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	7.6	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	75.9	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	75.9	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	7.6	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C62 SA89497-02	127-17797-08011	Soil	05-Jan-09 09:15	06-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
Volatile Organic Compounds			VC10								
Prepared by method SW846 5035A Soil (low level)						Initial weight: 6.69 g					
103-65-1	n-Propylbenzene	BRL		µg/kg dry	7.6	1	SW846 8260B	08-Jan-09	09-Jan-09	9010383	X
100-42-5	Styrene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	7.6	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	7.6	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	7.6	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	7.6	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	7.6	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	7.6	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	7.6	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	7.6	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	7.6	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	15.2	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	75.9	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	7.6	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	7.6	1	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	7.6	1	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	7.6	1	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	75.9	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	152	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	37.9	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	3030	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*82*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*89*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*115*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*103*		*70-130 %*			"	"	"	"	
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3545A											
83-32-9	Acenaphthene	BRL		µg/kg dry	469	1	SW846 8270C	08-Jan-09	10-Jan-09	9010357	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	469	1	"	"	"	"	X
62-53-3	Aniline	BRL		µg/kg dry	469	1	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	469	1	"	"	"	"	X
1912-24-9	Atrazine	BRL		µg/kg dry	469	1	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/kg dry	469	1	"	"	"	"	
92-87-5	Benzidine	BRL		µg/kg dry	469	1	"	"	"	"	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	469	1	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	469	1	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	469	1	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	469	1	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	469	1	"	"	"	"	X
65-85-0	Benzoic acid	BRL		µg/kg dry	469	1	"	"	"	"	X
100-51-6	Benzyl alcohol	BRL		µg/kg dry	469	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C62 SA89497-02	127-17797-08011	Soil	05-Jan-09 09:15	06-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3545A											
111-91-1	Bis(2-chloroethoxy)methane	BRL		µg/kg dry	469	1	SW846 8270C	08-Jan-09	10-Jan-09	9010357	X
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/kg dry	469	1	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	469	1	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	469	1	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/kg dry	469	1	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	BRL		µg/kg dry	469	1	"	"	"	"	X
86-74-8	Carbazole	BRL		µg/kg dry	469	1	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	BRL		µg/kg dry	469	1	"	"	"	"	X
106-47-8	4-Chloroaniline	BRL		µg/kg dry	469	1	"	"	"	"	X
91-58-7	2-Chloronaphthalene	BRL		µg/kg dry	469	1	"	"	"	"	X
95-57-8	2-Chlorophenol	BRL		µg/kg dry	469	1	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/kg dry	469	1	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	469	1	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	469	1	"	"	"	"	X
132-64-9	Dibenzofuran	BRL		µg/kg dry	469	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	469	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	469	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	469	1	"	"	"	"	X
91-94-1	3,3'-Dichlorobenzidine	BRL		µg/kg dry	469	1	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	BRL		µg/kg dry	469	1	"	"	"	"	X
84-66-2	Diethyl phthalate	BRL		µg/kg dry	469	1	"	"	"	"	X
131-11-3	Dimethyl phthalate	BRL		µg/kg dry	469	1	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	BRL		µg/kg dry	469	1	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	BRL		µg/kg dry	469	1	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	469	1	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	BRL		µg/kg dry	469	1	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	BRL		µg/kg dry	469	1	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	BRL		µg/kg dry	469	1	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	BRL		µg/kg dry	469	1	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	469	1	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	469	1	"	"	"	"	X
118-74-1	Hexachlorobenzene	BRL		µg/kg dry	469	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	469	1	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	BRL		µg/kg dry	469	1	"	"	"	"	X
67-72-1	Hexachloroethane	BRL		µg/kg dry	469	1	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	469	1	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	469	1	"	"	"	"	
78-59-1	Isophorone	BRL		µg/kg dry	469	1	"	"	"	"	X
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	469	1	"	"	"	"	X
95-48-7	2-Methylphenol	BRL		µg/kg dry	469	1	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	BRL		µg/kg dry	469	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	469	1	"	"	"	"	X
88-74-4	2-Nitroaniline	BRL		µg/kg dry	469	1	"	"	"	"	X
99-09-2	3-Nitroaniline	BRL		µg/kg dry	469	1	"	"	"	"	X
100-01-6	4-Nitroaniline	BRL		µg/kg dry	1880	1	"	"	"	"	X
98-95-3	Nitrobenzene	BRL		µg/kg dry	469	1	"	"	"	"	X
88-75-5	2-Nitrophenol	BRL		µg/kg dry	469	1	"	"	"	"	X
100-02-7	4-Nitrophenol	BRL		µg/kg dry	1880	1	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	BRL		µg/kg dry	469	1	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/kg dry	469	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C62 SA89497-02	127-17797-08011	Soil	05-Jan-09 09:15	06-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3545A											
86-30-6	N-Nitrosodiphenylamine	BRL		µg/kg dry	469	1	SW846 8270C	08-Jan-09	10-Jan-09	9010357	X
87-86-5	Pentachlorophenol	BRL		µg/kg dry	469	1	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	469	1	"	"	"	"	X
108-95-2	Phenol	BRL		µg/kg dry	469	1	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	469	1	"	"	"	"	X
110-86-1	Pyridine	BRL		µg/kg dry	469	1	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	469	1	"	"	"	"	X
95-95-4	2,4,5-Trichlorophenol	BRL		µg/kg dry	469	1	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	BRL		µg/kg dry	469	1	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	BRL		µg/kg dry	469	1	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	469	1	"	"	"	"	X
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*69*		*30-130 %*			"	"	"	"	
367-12-4	*2-Fluorophenol*	*71*		*15-110 %*			"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*66*		*30-130 %*			"	"	"	"	
4165-62-2	*Phenol-d5*	*67*		*15-110 %*			"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*88*		*30-130 %*			"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*76*		*15-110 %*			"	"	"	"	
Semivolatile Organic Compounds by GC											
Polychlorinated Biphenyls by SW846 8082											
Prepared by method SW846 3545A											
12674-11-2	PCB 1016	BRL		µg/kg dry	27.2	1	SW846 8082	08-Jan-09	09-Jan-09	9010360	X
11104-28-2	PCB 1221	BRL		µg/kg dry	27.2	1	"	"	"	"	X
11141-16-5	PCB 1232	BRL		µg/kg dry	27.2	1	"	"	"	"	X
53469-21-9	PCB 1242	BRL		µg/kg dry	27.2	1	"	"	"	"	X
12672-29-6	PCB 1248	BRL		µg/kg dry	27.2	1	"	"	"	"	X
11097-69-1	PCB 1254	BRL		µg/kg dry	27.2	1	"	"	"	"	X
11096-82-5	PCB 1260	BRL		µg/kg dry	27.2	1	"	"	"	"	X
37324-23-5	PCB 1262	BRL		µg/kg dry	27.2	1	"	"	"	"	X
11100-14-4	PCB 1268	BRL		µg/kg dry	27.2	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*85*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*80*		*30-150 %*			"	"	"	"	
Chlorinated Herbicides by SW846 8151A											
Prepared by method SW846 3550B											
93-76-5	2,4,5-T	BRL		µg/kg dry	6.70	1	SW846 8151A	08-Jan-09	09-Jan-09	9010356	X
93-72-1	2,4,5-TP (Silvex)	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-75-7	2,4-D	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-82-6	2,4-DB	BRL		µg/kg dry	6.70	1	"	"	"	"	X
75-99-0	Dalapon	BRL		µg/kg dry	6.70	1	"	"	"	"	X
1918-00-9	Dicamba	BRL		µg/kg dry	6.70	1	"	"	"	"	X
120-36-5	Dichlorprop	BRL		µg/kg dry	6.70	1	"	"	"	"	X
88-85-7	Dinoseb	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-74-6	MCPA	BRL		µg/kg dry	670	1	"	"	"	"	X
94-81-5	MCPB	BRL		µg/kg dry	670	1	"	"	"	"	
93-65-2	MCPP	BRL		µg/kg dry	670	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*86*		*30-150 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C62 SA89497-02	127-17797-08011	Soil	05-Jan-09 09:15	06-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3550B											
8006-61-9	Gasoline	BRL		mg/kg dry	18.9	1	+CT ETPH	08-Jan-09	09-Jan-09	9010359	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	18.9	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	18.9	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	18.9	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	18.9	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	18.9	1	"	"	"	"	
	Unidentified	BRL		mg/kg dry	18.9	1	"	"	"	"	
	Other Oil	BRL		mg/kg dry	18.9	1	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL		mg/kg dry	18.9	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	18.9	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*101*		*50-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	BRL		mg/kg dry	1.89	1	SW846 6010B	07-Jan-09	09-Jan-09	9010321	X
7440-38-2	Arsenic	56.8		mg/kg dry	1.89	1	"	"	"	"	X
7440-39-3	Barium	61.5		mg/kg dry	1.26	1	"	"	09-Jan-09	"	X
7440-43-9	Cadmium	0.819		mg/kg dry	0.630	1	"	"	09-Jan-09	"	X
7440-47-3	Chromium	13.4		mg/kg dry	1.26	1	"	"	"	"	X
7439-97-6	Mercury	0.542		mg/kg dry	0.0412	1	SW846 7471A	"	12-Jan-09	9010322	X
7439-92-1	Lead	116		mg/kg dry	1.89	1	SW846 6010B	"	09-Jan-09	9010321	X
7782-49-2	Selenium	BRL		mg/kg dry	1.89	1	"	"	"	"	X
TCLP Metals by EPA 1311 & 6000/7000 Series Methods											
	TCLP Extraction	Completed	O09	N/A		1	SW846 1311	03-Feb-09	03-Feb-09	9020220	X
7439-92-1	Lead	BRL		mg/l	0.0150	1	SW846 1311/6010B	05-Feb-09	05-Feb-09	9020245	X
SPLP Metals by EPA 1312 & 6000/7000 Series Methods											
	SPLP Extraction	Completed		N/A		1	SW846 1312	19-Jan-09	19-Jan-09	9011115	
7440-38-2	Arsenic	BRL		mg/l	0.0080	1	SW846 1312/6010B	20-Jan-09	20-Jan-09	9011167	
7440-43-9	Cadmium	BRL		mg/l	0.0050	1	"	"	"	"	
7440-47-3	Chromium	BRL		mg/l	0.0100	1	"	"	"	"	
7439-97-6	Mercury	BRL		mg/l	0.00020	1	SW846 1312/7470A	"	21-Jan-09	9011168	
7439-92-1	Lead	BRL		mg/l	0.0150	1	SW846 1312/6010B	"	20-Jan-09	9011167	
General Chemistry Parameters											
	% Solids	69.4		%		1	SM2540 G Mod.	08-Jan-09	08-Jan-09	9010421	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C63 SA89497-03	127-17797-08011	Soil	05-Jan-09 09:45	06-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	07-Jan-09	07-Jan-09	9010311	
Volatile Organic Compounds			VC10								
Prepared by method SW846 5035A Soil (low level)						Initial weight: 7.69 g					
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	7.4	1	SW846 8260B	08-Jan-09	09-Jan-09	9010383	X
67-64-1	Acetone	BRL		µg/kg dry	74.5	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	7.4	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	7.4	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	7.4	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	7.4	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	14.9	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	74.5	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	37.2	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	7.4	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	14.9	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	7.4	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	14.9	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	14.9	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	7.4	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	7.4	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	7.4	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	14.9	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	7.4	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	7.4	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	7.4	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	7.4	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	7.4	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	74.5	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	7.4	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	74.5	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	74.5	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	7.4	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C63 SA89497-03	127-17797-08011	Soil	05-Jan-09 09:45	06-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
Volatile Organic Compounds			VC10			Initial weight: 7.69 g					
Prepared by method SW846 5035A Soil (low level)											
103-65-1	n-Propylbenzene	BRL		µg/kg dry	7.4	1	SW846 8260B	08-Jan-09	09-Jan-09	9010383	X
100-42-5	Styrene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	7.4	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	7.4	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	7.4	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	7.4	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	7.4	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	7.4	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	7.4	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	7.4	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	7.4	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	14.9	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	7.4	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	74.5	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	7.4	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	7.4	1	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	7.4	1	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	7.4	1	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	74.5	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	149	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	37.2	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	2980	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*82*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*89*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*114*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*102*		*70-130 %*			"	"	"	"	
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3545A											
83-32-9	Acenaphthene	BRL		µg/kg dry	495	1	SW846 8270C	08-Jan-09	09-Jan-09	9010357	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	495	1	"	"	"	"	X
62-53-3	Aniline	BRL		µg/kg dry	495	1	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	495	1	"	"	"	"	X
1912-24-9	Atrazine	BRL		µg/kg dry	495	1	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/kg dry	495	1	"	"	"	"	
92-87-5	Benzidine	BRL		µg/kg dry	495	1	"	"	"	"	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	495	1	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	495	1	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	495	1	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	495	1	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	495	1	"	"	"	"	X
65-85-0	Benzoic acid	BRL		µg/kg dry	495	1	"	"	"	"	X
100-51-6	Benzyl alcohol	BRL		µg/kg dry	495	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C63	127-17797-08011	Soil	05-Jan-09 09:45	06-Jan-09
SA89497-03				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3545A											
111-91-1	Bis(2-chloroethoxy)methane	BRL		µg/kg dry	495	1	SW846 8270C	08-Jan-09	09-Jan-09	9010357	X
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/kg dry	495	1	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	495	1	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	495	1	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/kg dry	495	1	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	BRL		µg/kg dry	495	1	"	"	"	"	X
86-74-8	Carbazole	BRL		µg/kg dry	495	1	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	BRL		µg/kg dry	495	1	"	"	"	"	X
106-47-8	4-Chloroaniline	BRL		µg/kg dry	495	1	"	"	"	"	X
91-58-7	2-Chloronaphthalene	BRL		µg/kg dry	495	1	"	"	"	"	X
95-57-8	2-Chlorophenol	BRL		µg/kg dry	495	1	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/kg dry	495	1	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	495	1	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	495	1	"	"	"	"	X
132-64-9	Dibenzofuran	BRL		µg/kg dry	495	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	495	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	495	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	495	1	"	"	"	"	X
91-94-1	3,3'-Dichlorobenzidine	BRL		µg/kg dry	495	1	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	BRL		µg/kg dry	495	1	"	"	"	"	X
84-66-2	Diethyl phthalate	BRL		µg/kg dry	495	1	"	"	"	"	X
131-11-3	Dimethyl phthalate	BRL		µg/kg dry	495	1	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	BRL		µg/kg dry	495	1	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	BRL		µg/kg dry	495	1	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	495	1	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	BRL		µg/kg dry	495	1	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	BRL		µg/kg dry	495	1	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	BRL		µg/kg dry	495	1	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	BRL		µg/kg dry	495	1	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	495	1	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	495	1	"	"	"	"	X
118-74-1	Hexachlorobenzene	BRL		µg/kg dry	495	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	495	1	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	BRL		µg/kg dry	495	1	"	"	"	"	X
67-72-1	Hexachloroethane	BRL		µg/kg dry	495	1	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	495	1	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	495	1	"	"	"	"	
78-59-1	Isophorone	BRL		µg/kg dry	495	1	"	"	"	"	X
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	495	1	"	"	"	"	X
95-48-7	2-Methylphenol	BRL		µg/kg dry	495	1	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	BRL		µg/kg dry	495	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	495	1	"	"	"	"	X
88-74-4	2-Nitroaniline	BRL		µg/kg dry	495	1	"	"	"	"	X
99-09-2	3-Nitroaniline	BRL		µg/kg dry	495	1	"	"	"	"	X
100-01-6	4-Nitroaniline	BRL		µg/kg dry	1980	1	"	"	"	"	X
98-95-3	Nitrobenzene	BRL		µg/kg dry	495	1	"	"	"	"	X
88-75-5	2-Nitrophenol	BRL		µg/kg dry	495	1	"	"	"	"	X
100-02-7	4-Nitrophenol	BRL		µg/kg dry	1980	1	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	BRL		µg/kg dry	495	1	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/kg dry	495	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C63 SA89497-03	127-17797-08011	Soil	05-Jan-09 09:45	06-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3545A											
86-30-6	N-Nitrosodiphenylamine	BRL		µg/kg dry	495	1	SW846 8270C	08-Jan-09	09-Jan-09	9010357	X
87-86-5	Pentachlorophenol	BRL		µg/kg dry	495	1	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	495	1	"	"	"	"	X
108-95-2	Phenol	BRL		µg/kg dry	495	1	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	495	1	"	"	"	"	X
110-86-1	Pyridine	BRL		µg/kg dry	495	1	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	495	1	"	"	"	"	X
95-95-4	2,4,5-Trichlorophenol	BRL		µg/kg dry	495	1	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	BRL		µg/kg dry	495	1	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	BRL		µg/kg dry	495	1	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	495	1	"	"	"	"	X
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*69*		*30-130 %*			"	"	"	"	
367-12-4	*2-Fluorophenol*	*72*		*15-110 %*			"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*63*		*30-130 %*			"	"	"	"	
4165-62-2	*Phenol-d5*	*65*		*15-110 %*			"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*82*		*30-130 %*			"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*72*		*15-110 %*			"	"	"	"	
Semivolatile Organic Compounds by GC											
Polychlorinated Biphenyls by SW846 8082											
Prepared by method SW846 3545A											
12674-11-2	PCB 1016	BRL		µg/kg dry	29.0	1	SW846 8082	08-Jan-09	09-Jan-09	9010360	X
11104-28-2	PCB 1221	BRL		µg/kg dry	29.0	1	"	"	"	"	X
11141-16-5	PCB 1232	BRL		µg/kg dry	29.0	1	"	"	"	"	X
53469-21-9	PCB 1242	BRL		µg/kg dry	29.0	1	"	"	"	"	X
12672-29-6	PCB 1248	BRL		µg/kg dry	29.0	1	"	"	"	"	X
11097-69-1	PCB 1254	BRL		µg/kg dry	29.0	1	"	"	"	"	X
11096-82-5	PCB 1260	BRL		µg/kg dry	29.0	1	"	"	"	"	X
37324-23-5	PCB 1262	BRL		µg/kg dry	29.0	1	"	"	"	"	X
11100-14-4	PCB 1268	BRL		µg/kg dry	29.0	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*81*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*82*		*30-150 %*			"	"	"	"	
Chlorinated Herbicides by SW846 8151A											
Prepared by method SW846 3550B											
93-76-5	2,4,5-T	BRL		µg/kg dry	6.70	1	SW846 8151A	08-Jan-09	09-Jan-09	9010356	X
93-72-1	2,4,5-TP (Silvex)	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-75-7	2,4-D	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-82-6	2,4-DB	BRL		µg/kg dry	6.70	1	"	"	"	"	X
75-99-0	Dalapon	BRL		µg/kg dry	6.70	1	"	"	"	"	X
1918-00-9	Dicamba	BRL		µg/kg dry	6.70	1	"	"	"	"	X
120-36-5	Dichlorprop	BRL		µg/kg dry	6.70	1	"	"	"	"	X
88-85-7	Dinoseb	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-74-6	MCPA	BRL		µg/kg dry	670	1	"	"	"	"	X
94-81-5	MCPB	BRL		µg/kg dry	670	1	"	"	"	"	
93-65-2	MCPP	BRL		µg/kg dry	670	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*85*		*30-150 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C63	127-17797-08011	Soil	05-Jan-09 09:45	06-Jan-09
SA89497-03				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3550B											
8006-61-9	Gasoline	BRL		mg/kg dry	19.9	1	+CT ETPH	08-Jan-09	09-Jan-09	9010359	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	19.9	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	19.9	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	19.9	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	19.9	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	19.9	1	"	"	"	"	
	Unidentified	BRL		mg/kg dry	19.9	1	"	"	"	"	
	Other Oil	BRL		mg/kg dry	19.9	1	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL		mg/kg dry	19.9	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	19.9	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*93*		*50-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	BRL		mg/kg dry	1.94	1	SW846 6010B	07-Jan-09	09-Jan-09	9010321	X
7440-38-2	Arsenic	12.8		mg/kg dry	1.94	1	"	"	"	"	X
7440-39-3	Barium	49.1		mg/kg dry	1.29	1	"	"	09-Jan-09	"	X
7440-43-9	Cadmium	0.764		mg/kg dry	0.647	1	"	"	09-Jan-09	"	X
7440-47-3	Chromium	13.8		mg/kg dry	1.29	1	"	"	"	"	X
7439-97-6	Mercury	0.0943		mg/kg dry	0.0415	1	SW846 7471A	"	12-Jan-09	9010322	X
7439-92-1	Lead	65.7		mg/kg dry	1.94	1	SW846 6010B	"	09-Jan-09	9010321	X
7782-49-2	Selenium	2.42		mg/kg dry	1.94	1	"	"	"	"	X
SPLP Metals by EPA 1312 & 6000/7000 Series Methods											
	SPLP Extraction	Completed		N/A		1	SW846 1312	19-Jan-09	19-Jan-09	9011115	
7440-38-2	Arsenic	BRL		mg/l	0.0080	1	SW846 1312/6010B	20-Jan-09	20-Jan-09	9011167	
7440-43-9	Cadmium	BRL		mg/l	0.0050	1	"	"	"	"	
7440-47-3	Chromium	BRL		mg/l	0.0100	1	"	"	"	"	
7439-97-6	Mercury	BRL		mg/l	0.00020	1	SW846 1312/7470A	"	21-Jan-09	9011168	
7439-92-1	Lead	BRL		mg/l	0.0150	1	SW846 1312/6010B	"	20-Jan-09	9011167	
General Chemistry Parameters											
	% Solids	66.3		%		1	SM2540 G Mod.	08-Jan-09	08-Jan-09	9010422	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C64 SA89497-04	127-17797-08011	Soil	05-Jan-09 10:30	06-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	07-Jan-09	07-Jan-09	9010311	
Volatile Organic Compounds						Initial weight: 4.86 g					
Prepared by method SW846 5035A Soil (low level)											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	9.3	1	SW846 8260B	08-Jan-09	09-Jan-09	9010383	X
67-64-1	Acetone	BRL		µg/kg dry	92.9	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	9.3	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	9.3	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	9.3	1	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	9.3	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	9.3	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	9.3	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	18.6	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	92.9	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	9.3	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	9.3	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	9.3	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	46.4	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	9.3	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	9.3	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	18.6	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	9.3	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	18.6	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	9.3	1	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	9.3	1	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	18.6	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	9.3	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	9.3	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	9.3	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	9.3	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	9.3	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	9.3	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	18.6	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	9.3	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	9.3	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	9.3	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	9.3	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	9.3	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	9.3	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	9.3	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	9.3	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	9.3	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	9.3	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	9.3	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	9.3	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	9.3	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	92.9	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	9.3	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	9.3	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	9.3	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	92.9	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	92.9	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	9.3	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C64	127-17797-08011	Soil	05-Jan-09 10:30	06-Jan-09
SA89497-04				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
Volatile Organic Compounds											
Prepared by method SW846 5035A Soil (low level)						Initial weight: 4.86 g					
103-65-1	n-Propylbenzene	BRL		µg/kg dry	9.3	1	SW846 8260B	08-Jan-09	09-Jan-09	9010383	X
100-42-5	Styrene	BRL		µg/kg dry	9.3	1	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	9.3	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	9.3	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	9.3	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	9.3	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	9.3	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	9.3	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	9.3	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	9.3	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	9.3	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	9.3	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	9.3	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	9.3	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	9.3	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	9.3	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	9.3	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	18.6	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	9.3	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	92.9	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	9.3	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	9.3	1	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	9.3	1	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	9.3	1	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	92.9	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	186	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	46.4	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	3710	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*82*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*91*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*116*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*104*		*70-130 %*			"	"	"	"	
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3545A											
83-32-9	Acenaphthene	BRL		µg/kg dry	460	1	SW846 8270C	08-Jan-09	10-Jan-09	9010357	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	460	1	"	"	"	"	X
62-53-3	Aniline	BRL		µg/kg dry	460	1	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	460	1	"	"	"	"	X
1912-24-9	Atrazine	BRL		µg/kg dry	460	1	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/kg dry	460	1	"	"	"	"	
92-87-5	Benzidine	BRL		µg/kg dry	460	1	"	"	"	"	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	460	1	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	460	1	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	460	1	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	460	1	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	460	1	"	"	"	"	X
65-85-0	Benzoic acid	BRL		µg/kg dry	460	1	"	"	"	"	X
100-51-6	Benzyl alcohol	BRL		µg/kg dry	460	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C64 SA89497-04	127-17797-08011	Soil	05-Jan-09 10:30	06-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3545A											
111-91-1	Bis(2-chloroethoxy)methane	BRL		µg/kg dry	460	1	SW846 8270C	08-Jan-09	10-Jan-09	9010357	X
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/kg dry	460	1	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	460	1	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	460	1	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/kg dry	460	1	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	BRL		µg/kg dry	460	1	"	"	"	"	X
86-74-8	Carbazole	BRL		µg/kg dry	460	1	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	BRL		µg/kg dry	460	1	"	"	"	"	X
106-47-8	4-Chloroaniline	BRL		µg/kg dry	460	1	"	"	"	"	X
91-58-7	2-Chloronaphthalene	BRL		µg/kg dry	460	1	"	"	"	"	X
95-57-8	2-Chlorophenol	BRL		µg/kg dry	460	1	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/kg dry	460	1	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	460	1	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	460	1	"	"	"	"	X
132-64-9	Dibenzofuran	BRL		µg/kg dry	460	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	460	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	460	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	460	1	"	"	"	"	X
91-94-1	3,3'-Dichlorobenzidine	BRL		µg/kg dry	460	1	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	BRL		µg/kg dry	460	1	"	"	"	"	X
84-66-2	Diethyl phthalate	BRL		µg/kg dry	460	1	"	"	"	"	X
131-11-3	Dimethyl phthalate	BRL		µg/kg dry	460	1	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	BRL		µg/kg dry	460	1	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	BRL		µg/kg dry	460	1	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	460	1	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	BRL		µg/kg dry	460	1	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	BRL		µg/kg dry	460	1	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	BRL		µg/kg dry	460	1	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	BRL		µg/kg dry	460	1	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	460	1	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	460	1	"	"	"	"	X
118-74-1	Hexachlorobenzene	BRL		µg/kg dry	460	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	460	1	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	BRL		µg/kg dry	460	1	"	"	"	"	X
67-72-1	Hexachloroethane	BRL		µg/kg dry	460	1	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	460	1	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	460	1	"	"	"	"	
78-59-1	Isophorone	BRL		µg/kg dry	460	1	"	"	"	"	X
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	460	1	"	"	"	"	X
95-48-7	2-Methylphenol	BRL		µg/kg dry	460	1	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	BRL		µg/kg dry	460	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	460	1	"	"	"	"	X
88-74-4	2-Nitroaniline	BRL		µg/kg dry	460	1	"	"	"	"	X
99-09-2	3-Nitroaniline	BRL		µg/kg dry	460	1	"	"	"	"	X
100-01-6	4-Nitroaniline	BRL		µg/kg dry	1840	1	"	"	"	"	X
98-95-3	Nitrobenzene	BRL		µg/kg dry	460	1	"	"	"	"	X
88-75-5	2-Nitrophenol	BRL		µg/kg dry	460	1	"	"	"	"	X
100-02-7	4-Nitrophenol	BRL		µg/kg dry	1840	1	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	BRL		µg/kg dry	460	1	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/kg dry	460	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C64	127-17797-08011	Soil	05-Jan-09 10:30	06-Jan-09
SA89497-04				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3545A											
86-30-6	N-Nitrosodiphenylamine	BRL		µg/kg dry	460	1	SW846 8270C	08-Jan-09	10-Jan-09	9010357	X
87-86-5	Pentachlorophenol	BRL		µg/kg dry	460	1	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	460	1	"	"	"	"	X
108-95-2	Phenol	BRL		µg/kg dry	460	1	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	460	1	"	"	"	"	X
110-86-1	Pyridine	BRL		µg/kg dry	460	1	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	460	1	"	"	"	"	X
95-95-4	2,4,5-Trichlorophenol	BRL		µg/kg dry	460	1	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	BRL		µg/kg dry	460	1	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	BRL		µg/kg dry	460	1	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	460	1	"	"	"	"	X
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*75*		*30-130 %*			"	"	"	"	
367-12-4	*2-Fluorophenol*	*79*		*15-110 %*			"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*72*		*30-130 %*			"	"	"	"	
4165-62-2	*Phenol-d5*	*72*		*15-110 %*			"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*93*		*30-130 %*			"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*82*		*15-110 %*			"	"	"	"	
Semivolatile Organic Compounds by GC											
Polychlorinated Biphenyls by SW846 8082											
Prepared by method SW846 3545A											
12674-11-2	PCB 1016	BRL		µg/kg dry	26.7	1	SW846 8082	08-Jan-09	09-Jan-09	9010360	X
11104-28-2	PCB 1221	BRL		µg/kg dry	26.7	1	"	"	"	"	X
11141-16-5	PCB 1232	BRL		µg/kg dry	26.7	1	"	"	"	"	X
53469-21-9	PCB 1242	BRL		µg/kg dry	26.7	1	"	"	"	"	X
12672-29-6	PCB 1248	BRL		µg/kg dry	26.7	1	"	"	"	"	X
11097-69-1	PCB 1254	BRL		µg/kg dry	26.7	1	"	"	"	"	X
11096-82-5	PCB 1260	BRL		µg/kg dry	26.7	1	"	"	"	"	X
37324-23-5	PCB 1262	BRL		µg/kg dry	26.7	1	"	"	"	"	X
11100-14-4	PCB 1268	BRL		µg/kg dry	26.7	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*84*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*96*		*30-150 %*			"	"	"	"	
Chlorinated Herbicides by SW846 8151A											
Prepared by method SW846 3550B											
93-76-5	2,4,5-T	BRL		µg/kg dry	6.70	1	SW846 8151A	08-Jan-09	09-Jan-09	9010356	X
93-72-1	2,4,5-TP (Silvex)	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-75-7	2,4-D	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-82-6	2,4-DB	BRL		µg/kg dry	6.70	1	"	"	"	"	X
75-99-0	Dalapon	BRL		µg/kg dry	6.70	1	"	"	"	"	X
1918-00-9	Dicamba	BRL		µg/kg dry	6.70	1	"	"	"	"	X
120-36-5	Dichlorprop	BRL		µg/kg dry	6.70	1	"	"	"	"	X
88-85-7	Dinoseb	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-74-6	MCPA	BRL		µg/kg dry	670	1	"	"	"	"	X
94-81-5	MCPB	BRL		µg/kg dry	670	1	"	"	"	"	
93-65-2	MCPP	BRL		µg/kg dry	670	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*94*		*30-150 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C64 SA89497-04	127-17797-08011	Soil	05-Jan-09 10:30	06-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3550B											
8006-61-9	Gasoline	BRL		mg/kg dry	18.5	1	+CT ETPH	08-Jan-09	09-Jan-09	9010359	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	18.5	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	18.5	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	18.5	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	18.5	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	18.5	1	"	"	"	"	
	Unidentified	42.9		mg/kg dry	18.5	1	"	"	"	"	
	Other Oil	Calculated as		mg/kg dry	18.5	1	"	"	"	"	
	Total Petroleum Hydrocarbons	42.9		mg/kg dry	18.5	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	42.9		mg/kg dry	18.5	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*104*		*50-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	BRL		mg/kg dry	2.03	1	SW846 6010B	07-Jan-09	09-Jan-09	9010321	X
7440-38-2	Arsenic	21.4		mg/kg dry	2.03	1	"	"	"	"	X
7440-39-3	Barium	103		mg/kg dry	1.35	1	"	"	09-Jan-09	"	X
7440-43-9	Cadmium	0.867		mg/kg dry	0.677	1	"	"	09-Jan-09	"	X
7440-47-3	Chromium	10.6		mg/kg dry	1.35	1	"	"	"	"	X
7439-97-6	Mercury	0.171		mg/kg dry	0.0415	1	SW846 7471A	"	12-Jan-09	9010322	X
7439-92-1	Lead	285		mg/kg dry	2.03	1	SW846 6010B	"	09-Jan-09	9010321	X
7782-49-2	Selenium	2.73		mg/kg dry	2.03	1	"	"	"	"	X
TCLP Metals by EPA 1311 & 6000/7000 Series Methods											
	TCLP Extraction	Completed	O09	N/A		1	SW846 1311	03-Feb-09	03-Feb-09	9020220	X
7439-92-1	Lead	BRL		mg/l	0.0150	1	SW846 1311/6010B	05-Feb-09	05-Feb-09	9020245	X
SPLP Metals by EPA 1312 & 6000/7000 Series Methods											
	SPLP Extraction	Completed		N/A		1	SW846 1312	19-Jan-09	19-Jan-09	9011115	
7440-38-2	Arsenic	BRL		mg/l	0.0080	1	SW846 1312/6010B	20-Jan-09	20-Jan-09	9011167	
7440-43-9	Cadmium	BRL		mg/l	0.0050	1	"	"	"	"	
7440-47-3	Chromium	BRL		mg/l	0.0100	1	"	"	"	"	
7439-97-6	Mercury	BRL		mg/l	0.00020	1	SW846 1312/7470A	"	21-Jan-09	9011168	
7439-92-1	Lead	BRL		mg/l	0.0150	1	SW846 1312/6010B	"	20-Jan-09	9011167	
General Chemistry Parameters											
	% Solids	71.0		%		1	SM2540 G Mod.	08-Jan-09	08-Jan-09	9010422	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C65 SA89497-05	127-17797-08011	Soil	05-Jan-09 11:00	06-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	07-Jan-09	07-Jan-09	9010311	
Volatile Organic Compounds											
Prepared by method SW846 5035A Soil (low level)						Initial weight: 4.29 g					
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	9.4	1	SW846 8260B	08-Jan-09	09-Jan-09	9010383	X
67-64-1	Acetone	BRL		µg/kg dry	94.2	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	9.4	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	9.4	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	9.4	1	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	9.4	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	9.4	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	9.4	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	18.8	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	94.2	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	9.4	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	9.4	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	9.4	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	47.1	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	9.4	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	9.4	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	18.8	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	9.4	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	18.8	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	9.4	1	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	9.4	1	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	18.8	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	9.4	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	9.4	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	9.4	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	9.4	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	9.4	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	9.4	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	18.8	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	9.4	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	9.4	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	9.4	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	9.4	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	9.4	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	9.4	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	9.4	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	9.4	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	9.4	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	9.4	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	9.4	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	9.4	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	9.4	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	94.2	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	9.4	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	9.4	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	9.4	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	94.2	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	94.2	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	9.4	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C65 SA89497-05	127-17797-08011	Soil	05-Jan-09 11:00	06-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
Volatile Organic Compounds						Initial weight: 4.29 g					
Prepared by method SW846 5035A Soil (low level)											
103-65-1	n-Propylbenzene	BRL		µg/kg dry	9.4	1	SW846 8260B	08-Jan-09	09-Jan-09	9010383	X
100-42-5	Styrene	BRL		µg/kg dry	9.4	1	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	9.4	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	9.4	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	9.4	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	9.4	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	9.4	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	9.4	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	9.4	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	9.4	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	9.4	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	9.4	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	9.4	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	9.4	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	9.4	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	9.4	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	9.4	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	18.8	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	9.4	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	94.2	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	9.4	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	9.4	1	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	9.4	1	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	9.4	1	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	94.2	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	188	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	47.1	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	3770	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*91*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*95*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*114*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*105*		*70-130 %*			"	"	"	"	
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3545A											
83-32-9	Acenaphthene	BRL		µg/kg dry	437	1	SW846 8270C	08-Jan-09	10-Jan-09	9010357	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	437	1	"	"	"	"	X
62-53-3	Aniline	BRL		µg/kg dry	437	1	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	437	1	"	"	"	"	X
1912-24-9	Atrazine	BRL		µg/kg dry	437	1	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/kg dry	437	1	"	"	"	"	
92-87-5	Benzidine	BRL		µg/kg dry	437	1	"	"	"	"	X
56-55-3	Benzo (a) anthracene	1,190		µg/kg dry	437	1	"	"	"	"	X
50-32-8	Benzo (a) pyrene	902		µg/kg dry	437	1	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	1,350		µg/kg dry	437	1	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	597		µg/kg dry	437	1	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	755		µg/kg dry	437	1	"	"	"	"	X
65-85-0	Benzoic acid	BRL		µg/kg dry	437	1	"	"	"	"	X
100-51-6	Benzyl alcohol	BRL		µg/kg dry	437	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C65	127-17797-08011	Soil	05-Jan-09 11:00	06-Jan-09
SA89497-05				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3545A											
111-91-1	Bis(2-chloroethoxy)methane	BRL		µg/kg dry	437	1	SW846 8270C	08-Jan-09	10-Jan-09	9010357	X
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/kg dry	437	1	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	437	1	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	437	1	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/kg dry	437	1	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	BRL		µg/kg dry	437	1	"	"	"	"	X
86-74-8	Carbazole	BRL		µg/kg dry	437	1	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	BRL		µg/kg dry	437	1	"	"	"	"	X
106-47-8	4-Chloroaniline	BRL		µg/kg dry	437	1	"	"	"	"	X
91-58-7	2-Chloronaphthalene	BRL		µg/kg dry	437	1	"	"	"	"	X
95-57-8	2-Chlorophenol	BRL		µg/kg dry	437	1	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/kg dry	437	1	"	"	"	"	X
218-01-9	Chrysene	1,410		µg/kg dry	437	1	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	437	1	"	"	"	"	X
132-64-9	Dibenzofuran	BRL		µg/kg dry	437	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	437	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	437	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	437	1	"	"	"	"	X
91-94-1	3,3'-Dichlorobenzidine	BRL		µg/kg dry	437	1	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	BRL		µg/kg dry	437	1	"	"	"	"	X
84-66-2	Diethyl phthalate	BRL		µg/kg dry	437	1	"	"	"	"	X
131-11-3	Dimethyl phthalate	BRL		µg/kg dry	437	1	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	BRL		µg/kg dry	437	1	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	BRL		µg/kg dry	437	1	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	437	1	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	BRL		µg/kg dry	437	1	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	BRL		µg/kg dry	437	1	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	BRL		µg/kg dry	437	1	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	BRL		µg/kg dry	437	1	"	"	"	"	X
206-44-0	Fluoranthene	2,520		µg/kg dry	437	1	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	437	1	"	"	"	"	X
118-74-1	Hexachlorobenzene	BRL		µg/kg dry	437	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	437	1	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	BRL		µg/kg dry	437	1	"	"	"	"	X
67-72-1	Hexachloroethane	BRL		µg/kg dry	437	1	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	687		µg/kg dry	437	1	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	437	1	"	"	"	"	
78-59-1	Isophorone	BRL		µg/kg dry	437	1	"	"	"	"	X
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	437	1	"	"	"	"	X
95-48-7	2-Methylphenol	BRL		µg/kg dry	437	1	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	BRL		µg/kg dry	437	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	437	1	"	"	"	"	X
88-74-4	2-Nitroaniline	BRL		µg/kg dry	437	1	"	"	"	"	X
99-09-2	3-Nitroaniline	BRL		µg/kg dry	437	1	"	"	"	"	X
100-01-6	4-Nitroaniline	BRL		µg/kg dry	1750	1	"	"	"	"	X
98-95-3	Nitrobenzene	BRL		µg/kg dry	437	1	"	"	"	"	X
88-75-5	2-Nitrophenol	BRL		µg/kg dry	437	1	"	"	"	"	X
100-02-7	4-Nitrophenol	BRL		µg/kg dry	1750	1	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	BRL		µg/kg dry	437	1	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/kg dry	437	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C65 SA89497-05	127-17797-08011	Soil	05-Jan-09 11:00	06-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3545A											
86-30-6	N-Nitrosodiphenylamine	BRL		µg/kg dry	437	1	SW846 8270C	08-Jan-09	10-Jan-09	9010357	X
87-86-5	Pentachlorophenol	BRL		µg/kg dry	437	1	"	"	"	"	X
85-01-8	Phenanthrene	951		µg/kg dry	437	1	"	"	"	"	X
108-95-2	Phenol	BRL		µg/kg dry	437	1	"	"	"	"	X
129-00-0	Pyrene	2,520		µg/kg dry	437	1	"	"	"	"	X
110-86-1	Pyridine	BRL		µg/kg dry	437	1	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	437	1	"	"	"	"	X
95-95-4	2,4,5-Trichlorophenol	BRL		µg/kg dry	437	1	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	BRL		µg/kg dry	437	1	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	BRL		µg/kg dry	437	1	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	437	1	"	"	"	"	X
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*62*		*30-130 %*			"	"	"	"	
367-12-4	*2-Fluorophenol*	*65*		*15-110 %*			"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*60*		*30-130 %*			"	"	"	"	
4165-62-2	*Phenol-d5*	*58*		*15-110 %*			"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*77*		*30-130 %*			"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*67*		*15-110 %*			"	"	"	"	
Semivolatile Organic Compounds by GC											
Polychlorinated Biphenyls by SW846 8082											
Prepared by method SW846 3545A											
12674-11-2	PCB 1016	BRL		µg/kg dry	26.1	1	SW846 8082	08-Jan-09	09-Jan-09	9010360	X
11104-28-2	PCB 1221	BRL		µg/kg dry	26.1	1	"	"	"	"	X
11141-16-5	PCB 1232	BRL		µg/kg dry	26.1	1	"	"	"	"	X
53469-21-9	PCB 1242	BRL		µg/kg dry	26.1	1	"	"	"	"	X
12672-29-6	PCB 1248	BRL		µg/kg dry	26.1	1	"	"	"	"	X
11097-69-1	PCB 1254	BRL		µg/kg dry	26.1	1	"	"	"	"	X
11096-82-5	PCB 1260	BRL		µg/kg dry	26.1	1	"	"	"	"	X
37324-23-5	PCB 1262	BRL		µg/kg dry	26.1	1	"	"	"	"	X
11100-14-4	PCB 1268	BRL		µg/kg dry	26.1	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*85*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*104*		*30-150 %*			"	"	"	"	
Chlorinated Herbicides by SW846 8151A											
Prepared by method SW846 3550B											
93-76-5	2,4,5-T	BRL		µg/kg dry	6.70	1	SW846 8151A	08-Jan-09	09-Jan-09	9010356	X
93-72-1	2,4,5-TP (Silvex)	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-75-7	2,4-D	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-82-6	2,4-DB	BRL		µg/kg dry	6.70	1	"	"	"	"	X
75-99-0	Dalapon	BRL		µg/kg dry	6.70	1	"	"	"	"	X
1918-00-9	Dicamba	BRL		µg/kg dry	6.70	1	"	"	"	"	X
120-36-5	Dichlorprop	BRL		µg/kg dry	6.70	1	"	"	"	"	X
88-85-7	Dinoseb	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-74-6	MCPA	BRL		µg/kg dry	670	1	"	"	"	"	X
94-81-5	MCPB	BRL		µg/kg dry	670	1	"	"	"	"	
93-65-2	MCPP	BRL		µg/kg dry	670	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*102*		*30-150 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C65	127-17797-08011	Soil	05-Jan-09 11:00	06-Jan-09
SA89497-05				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3550B											
8006-61-9	Gasoline	BRL		mg/kg dry	17.6	1	+CT ETPH	08-Jan-09	09-Jan-09	9010359	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	17.6	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	17.6	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	17.6	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	17.6	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	17.6	1	"	"	"	"	
	Unidentified	162		mg/kg dry	17.6	1	"	"	"	"	
	Other Oil	Calculated as		mg/kg dry	17.6	1	"	"	"	"	
	Total Petroleum Hydrocarbons	162		mg/kg dry	17.6	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	162		mg/kg dry	17.6	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*101*		*50-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	BRL		mg/kg dry	1.77	1	SW846 6010B	07-Jan-09	09-Jan-09	9010321	X
7440-38-2	Arsenic	40.2		mg/kg dry	1.77	1	"	"	"	"	X
7440-39-3	Barium	101		mg/kg dry	1.18	1	"	"	09-Jan-09	"	X
7440-43-9	Cadmium	1.30		mg/kg dry	0.589	1	"	"	09-Jan-09	"	X
7440-47-3	Chromium	13.8		mg/kg dry	1.18	1	"	"	"	"	X
7439-97-6	Mercury	0.281		mg/kg dry	0.0363	1	SW846 7471A	"	12-Jan-09	9010322	X
7439-92-1	Lead	211		mg/kg dry	1.77	1	SW846 6010B	"	09-Jan-09	9010321	X
7782-49-2	Selenium	2.21		mg/kg dry	1.77	1	"	"	"	"	X
TCLP Metals by EPA 1311 & 6000/7000 Series Methods											
	TCLP Extraction	Completed	O09	N/A		1	SW846 1311	04-Feb-09	04-Feb-09	9020341	X
7439-92-1	Lead	0.0226		mg/l	0.0075	1	SW846 1311/6010B	06-Feb-09	06-Feb-09	9020349	X
SPLP Metals by EPA 1312 & 6000/7000 Series Methods											
	SPLP Extraction	Completed		N/A		1	SW846 1312	19-Jan-09	19-Jan-09	9011115	
7440-38-2	Arsenic	BRL		mg/l	0.0080	1	SW846 1312/6010B	20-Jan-09	20-Jan-09	9011167	
7440-43-9	Cadmium	BRL		mg/l	0.0050	1	"	"	"	"	
7440-47-3	Chromium	BRL		mg/l	0.0100	1	"	"	"	"	
7439-97-6	Mercury	BRL		mg/l	0.00020	1	SW846 1312/7470A	"	21-Jan-09	9011168	
7439-92-1	Lead	BRL		mg/l	0.0150	1	SW846 1312/6010B	"	20-Jan-09	9011167	
General Chemistry Parameters											
	% Solids	75.1		%		1	SM2540 G Mod.	08-Jan-09	08-Jan-09	9010422	

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010383 - SW846 5035A Soil (low level)										
Blank (9010383-BLK1)										
Prepared & Analyzed: 08-Jan-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg wet	5.0						
Acetone	BRL		µg/kg wet	50.0						
Acrylonitrile	BRL		µg/kg wet	5.0						
Benzene	BRL		µg/kg wet	5.0						
Bromobenzene	BRL		µg/kg wet	5.0						
Bromochloromethane	BRL		µg/kg wet	5.0						
Bromodichloromethane	BRL		µg/kg wet	5.0						
Bromoform	BRL		µg/kg wet	5.0						
Bromomethane	BRL		µg/kg wet	10.0						
2-Butanone (MEK)	BRL		µg/kg wet	50.0						
n-Butylbenzene	BRL		µg/kg wet	5.0						
sec-Butylbenzene	BRL		µg/kg wet	5.0						
tert-Butylbenzene	BRL		µg/kg wet	5.0						
Carbon disulfide	BRL		µg/kg wet	25.0						
Carbon tetrachloride	BRL		µg/kg wet	5.0						
Chlorobenzene	BRL		µg/kg wet	5.0						
Chloroethane	BRL		µg/kg wet	10.0						
Chloroform	BRL		µg/kg wet	5.0						
Chloromethane	BRL		µg/kg wet	10.0						
2-Chlorotoluene	BRL		µg/kg wet	5.0						
4-Chlorotoluene	BRL		µg/kg wet	5.0						
1,2-Dibromo-3-chloropropane	BRL		µg/kg wet	10.0						
Dibromochloromethane	BRL		µg/kg wet	5.0						
1,2-Dibromoethane (EDB)	BRL		µg/kg wet	5.0						
Dibromomethane	BRL		µg/kg wet	5.0						
1,2-Dichlorobenzene	BRL		µg/kg wet	5.0						
1,3-Dichlorobenzene	BRL		µg/kg wet	5.0						
1,4-Dichlorobenzene	BRL		µg/kg wet	5.0						
Dichlorodifluoromethane (Freon12)	BRL		µg/kg wet	10.0						
1,1-Dichloroethane	BRL		µg/kg wet	5.0						
1,2-Dichloroethane	BRL		µg/kg wet	5.0						
1,1-Dichloroethene	BRL		µg/kg wet	5.0						
cis-1,2-Dichloroethene	BRL		µg/kg wet	5.0						
trans-1,2-Dichloroethene	BRL		µg/kg wet	5.0						
1,2-Dichloropropane	BRL		µg/kg wet	5.0						
1,3-Dichloropropane	BRL		µg/kg wet	5.0						
2,2-Dichloropropane	BRL		µg/kg wet	5.0						
1,1-Dichloropropene	BRL		µg/kg wet	5.0						
cis-1,3-Dichloropropene	BRL		µg/kg wet	5.0						
trans-1,3-Dichloropropene	BRL		µg/kg wet	5.0						
Ethylbenzene	BRL		µg/kg wet	5.0						
Hexachlorobutadiene	BRL		µg/kg wet	5.0						
2-Hexanone (MBK)	BRL		µg/kg wet	50.0						
Isopropylbenzene	BRL		µg/kg wet	5.0						
4-Isopropyltoluene	BRL		µg/kg wet	5.0						
Methyl tert-butyl ether	BRL		µg/kg wet	5.0						
4-Methyl-2-pentanone (MIBK)	BRL		µg/kg wet	50.0						
Methylene chloride	BRL		µg/kg wet	50.0						
Naphthalene	BRL		µg/kg wet	5.0						

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010383 - SW846 5035A Soil (low level)										
Blank (9010383-BLK1)										
Prepared & Analyzed: 08-Jan-09										
n-Propylbenzene	BRL		µg/kg wet	5.0						
Styrene	BRL		µg/kg wet	5.0						
1,1,1,2-Tetrachloroethane	BRL		µg/kg wet	5.0						
1,1,2,2-Tetrachloroethane	BRL		µg/kg wet	5.0						
Tetrachloroethene	BRL		µg/kg wet	5.0						
Toluene	BRL		µg/kg wet	5.0						
1,2,3-Trichlorobenzene	BRL		µg/kg wet	5.0						
1,2,4-Trichlorobenzene	BRL		µg/kg wet	5.0						
1,3,5-Trichlorobenzene	BRL		µg/kg wet	5.0						
1,1,1-Trichloroethane	BRL		µg/kg wet	5.0						
1,1,2-Trichloroethane	BRL		µg/kg wet	5.0						
Trichloroethene	BRL		µg/kg wet	5.0						
Trichlorofluoromethane (Freon 11)	BRL		µg/kg wet	5.0						
1,2,3-Trichloropropane	BRL		µg/kg wet	5.0						
1,2,4-Trimethylbenzene	BRL		µg/kg wet	5.0						
1,3,5-Trimethylbenzene	BRL		µg/kg wet	5.0						
Vinyl chloride	BRL		µg/kg wet	5.0						
m,p-Xylene	BRL		µg/kg wet	10.0						
o-Xylene	BRL		µg/kg wet	5.0						
Tetrahydrofuran	BRL		µg/kg wet	50.0						
Ethyl ether	BRL		µg/kg wet	5.0						
Tert-amyl methyl ether	BRL		µg/kg wet	5.0						
Ethyl tert-butyl ether	BRL		µg/kg wet	5.0						
Di-isopropyl ether	BRL		µg/kg wet	5.0						
Tert-Butanol / butyl alcohol	BRL		µg/kg wet	50.0						
1,4-Dioxane	BRL		µg/kg wet	100						
trans-1,4-Dichloro-2-butene	BRL		µg/kg wet	25.0						
Ethanol	BRL		µg/kg wet	2000						
Surrogate: 4-Bromofluorobenzene	*45.2*		µg/kg wet		*50.0*		*90*	*70-130*		
Surrogate: Toluene-d8	*47.8*		µg/kg wet		*50.0*		*96*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*60.0*		µg/kg wet		*50.0*		*120*	*70-130*		
Surrogate: Dibromofluoromethane	*50.8*		µg/kg wet		*50.0*		*102*	*70-130*		
LCS (9010383-BS1)										
Prepared & Analyzed: 08-Jan-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	20.5		µg/kg wet		20.0		103	70-130		
Acetone	12.0		µg/kg wet		20.0		60	7.9-168		
Acrylonitrile	16.8		µg/kg wet		20.0		84	70-130		
Benzene	19.9		µg/kg wet		20.0		99	70-130		
Bromobenzene	18.0		µg/kg wet		20.0		90	70-130		
Bromochloromethane	16.6		µg/kg wet		20.0		83	70-130		
Bromodichloromethane	18.7		µg/kg wet		20.0		94	70-130		
Bromoform	18.8		µg/kg wet		20.0		94	70-130		
Bromomethane	16.7		µg/kg wet		20.0		83	50-134		
2-Butanone (MEK)	15.6		µg/kg wet		20.0		78	44.6-130		
n-Butylbenzene	21.2		µg/kg wet		20.0		106	70-130		
sec-Butylbenzene	20.2		µg/kg wet		20.0		101	70-130		
tert-Butylbenzene	19.4		µg/kg wet		20.0		97	70-130		
Carbon disulfide	20.6		µg/kg wet		20.0		103	70-130		
Carbon tetrachloride	20.2		µg/kg wet		20.0		101	70-130		
Chlorobenzene	19.4		µg/kg wet		20.0		97	70-130		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010383 - SW846 5035A Soil (low level)										
LCS (9010383-BS1)										
Prepared & Analyzed: 08-Jan-09										
Chloroethane	17.0		µg/kg wet		20.0		85	59.2-130		
Chloroform	17.8		µg/kg wet		20.0		89	70-130		
Chloromethane	15.5		µg/kg wet		20.0		78	70-130		
2-Chlorotoluene	19.8		µg/kg wet		20.0		99	70-130		
4-Chlorotoluene	19.3		µg/kg wet		20.0		96	70-130		
1,2-Dibromo-3-chloropropane	20.3		µg/kg wet		20.0		101	70-130		
Dibromochloromethane	17.9		µg/kg wet		20.0		90	63.8-130		
1,2-Dibromoethane (EDB)	17.0		µg/kg wet		20.0		85	70-130		
Dibromomethane	18.2		µg/kg wet		20.0		91	70-130		
1,2-Dichlorobenzene	19.2		µg/kg wet		20.0		96	70-130		
1,3-Dichlorobenzene	19.0		µg/kg wet		20.0		95	70-130		
1,4-Dichlorobenzene	18.9		µg/kg wet		20.0		94	70-130		
Dichlorodifluoromethane (Freon12)	15.0		µg/kg wet		20.0		75	41.8-130		
1,1-Dichloroethane	18.3		µg/kg wet		20.0		91	70-130		
1,2-Dichloroethane	17.8		µg/kg wet		20.0		89	70-130		
1,1-Dichloroethene	20.8		µg/kg wet		20.0		104	70-130		
cis-1,2-Dichloroethene	18.3		µg/kg wet		20.0		92	70-130		
trans-1,2-Dichloroethene	18.8		µg/kg wet		20.0		94	70-130		
1,2-Dichloropropane	19.5		µg/kg wet		20.0		98	70-130		
1,3-Dichloropropane	17.5		µg/kg wet		20.0		87	70-130		
2,2-Dichloropropane	17.7		µg/kg wet		20.0		89	70-130		
1,1-Dichloropropene	19.7		µg/kg wet		20.0		98	70-130		
cis-1,3-Dichloropropene	18.0		µg/kg wet		20.0		90	70-130		
trans-1,3-Dichloropropene	17.2		µg/kg wet		20.0		86	70-130		
Ethylbenzene	20.3		µg/kg wet		20.0		101	70-130		
Hexachlorobutadiene	18.9		µg/kg wet		20.0		94	68.3-130		
2-Hexanone (MBK)	16.3		µg/kg wet		20.0		82	70-130		
Isopropylbenzene	19.7		µg/kg wet		20.0		99	70-130		
4-Isopropyltoluene	20.6		µg/kg wet		20.0		103	70-130		
Methyl tert-butyl ether	18.2		µg/kg wet		20.0		91	70-130		
4-Methyl-2-pentanone (MIBK)	15.2		µg/kg wet		20.0		76	53.1-132		
Methylene chloride	18.2		µg/kg wet		20.0		91	70-130		
Naphthalene	16.5		µg/kg wet		20.0		83	70-130		
n-Propylbenzene	19.8		µg/kg wet		20.0		99	70-130		
Styrene	19.6		µg/kg wet		20.0		98	70-130		
1,1,1,2-Tetrachloroethane	19.2		µg/kg wet		20.0		96	70-130		
1,1,2,2-Tetrachloroethane	19.4		µg/kg wet		20.0		97	70-130		
Tetrachloroethene	17.6		µg/kg wet		20.0		88	70-130		
Toluene	17.0		µg/kg wet		20.0		85	70-130		
1,2,3-Trichlorobenzene	17.8		µg/kg wet		20.0		89	70-130		
1,2,4-Trichlorobenzene	16.9		µg/kg wet		20.0		85	70-130		
1,3,5-Trichlorobenzene	18.6		µg/kg wet		20.0		93	70-130		
1,1,1-Trichloroethane	19.4		µg/kg wet		20.0		97	70-130		
1,1,2-Trichloroethane	17.8		µg/kg wet		20.0		89	70-130		
Trichloroethene	18.3		µg/kg wet		20.0		92	70-130		
Trichlorofluoromethane (Freon 11)	19.5		µg/kg wet		20.0		98	68.2-130		
1,2,3-Trichloropropane	18.6		µg/kg wet		20.0		93	70-130		
1,2,4-Trimethylbenzene	19.4		µg/kg wet		20.0		97	70-130		
1,3,5-Trimethylbenzene	19.7		µg/kg wet		20.0		98	70-130		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010383 - SW846 5035A Soil (low level)										
LCS (9010383-BS1)										
Prepared & Analyzed: 08-Jan-09										
Vinyl chloride	18.7		µg/kg wet		20.0		93	70-130		
m,p-Xylene	40.6		µg/kg wet		40.0		102	70-130		
o-Xylene	19.7		µg/kg wet		20.0		98	70-130		
Tetrahydrofuran	17.6		µg/kg wet		20.0		88	70-130		
Ethyl ether	19.4		µg/kg wet		20.0		97	70-130		
Tert-amyl methyl ether	15.8		µg/kg wet		20.0		79	70-130		
Ethyl tert-butyl ether	18.2		µg/kg wet		20.0		91	70-130		
Di-isopropyl ether	19.1		µg/kg wet		20.0		95	70-130		
Tert-Butanol / butyl alcohol	169		µg/kg wet		200		85	70-130		
1,4-Dioxane	173		µg/kg wet		200		86	48.7-130		
trans-1,4-Dichloro-2-butene	18.7		µg/kg wet		20.0		93	70-130		
Ethanol	367		µg/kg wet		400		92	70-130		
Surrogate: 4-Bromofluorobenzene	*49.3*		µg/kg wet		*50.0*		*99*	*70-130*		
Surrogate: Toluene-d8	*46.9*		µg/kg wet		*50.0*		*94*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*45.7*		µg/kg wet		*50.0*		*91*	*70-130*		
Surrogate: Dibromofluoromethane	*46.3*		µg/kg wet		*50.0*		*93*	*70-130*		
LCS Dup (9010383-BSD1)										
Prepared & Analyzed: 08-Jan-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	22.0		µg/kg wet		20.0		110	70-130	7	25
Acetone	13.0		µg/kg wet		20.0		65	7.9-168	8	50
Acrylonitrile	17.8		µg/kg wet		20.0		89	70-130	5	25
Benzene	20.6		µg/kg wet		20.0		103	70-130	4	25
Bromobenzene	18.4		µg/kg wet		20.0		92	70-130	2	25
Bromochloromethane	16.7		µg/kg wet		20.0		83	70-130	0.2	25
Bromodichloromethane	20.0		µg/kg wet		20.0		100	70-130	6	25
Bromoform	18.9		µg/kg wet		20.0		94	70-130	0.4	25
Bromomethane	16.0		µg/kg wet		20.0		80	50-134	4	50
2-Butanone (MEK)	13.2		µg/kg wet		20.0		66	44.6-130	16	50
n-Butylbenzene	22.3		µg/kg wet		20.0		112	70-130	5	25
sec-Butylbenzene	19.6		µg/kg wet		20.0		98	70-130	3	25
tert-Butylbenzene	18.9		µg/kg wet		20.0		95	70-130	3	25
Carbon disulfide	21.5		µg/kg wet		20.0		107	70-130	4	25
Carbon tetrachloride	21.0		µg/kg wet		20.0		105	70-130	4	25
Chlorobenzene	19.7		µg/kg wet		20.0		98	70-130	1	25
Chloroethane	16.5		µg/kg wet		20.0		82	59.2-130	4	50
Chloroform	18.7		µg/kg wet		20.0		94	70-130	5	25
Chloromethane	14.8		µg/kg wet		20.0		74	70-130	4	25
2-Chlorotoluene	19.5		µg/kg wet		20.0		98	70-130	1	25
4-Chlorotoluene	18.9		µg/kg wet		20.0		95	70-130	2	25
1,2-Dibromo-3-chloropropane	19.2		µg/kg wet		20.0		96	70-130	6	25
Dibromochloromethane	17.8		µg/kg wet		20.0		89	63.8-130	0.4	50
1,2-Dibromoethane (EDB)	17.5		µg/kg wet		20.0		87	70-130	3	25
Dibromomethane	18.2		µg/kg wet		20.0		91	70-130	0.05	25
1,2-Dichlorobenzene	19.9		µg/kg wet		20.0		99	70-130	4	25
1,3-Dichlorobenzene	18.1		µg/kg wet		20.0		90	70-130	5	25
1,4-Dichlorobenzene	20.0		µg/kg wet		20.0		100	70-130	6	25
Dichlorodifluoromethane (Freon12)	14.1		µg/kg wet		20.0		70	41.8-130	6	50
1,1-Dichloroethane	19.8		µg/kg wet		20.0		99	70-130	8	25
1,2-Dichloroethane	18.0		µg/kg wet		20.0		90	70-130	1	25
1,1-Dichloroethene	21.4		µg/kg wet		20.0		107	70-130	3	25

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010383 - SW846 5035A Soil (low level)										
LCS Dup (9010383-BSD1)										
Prepared & Analyzed: 08-Jan-09										
cis-1,2-Dichloroethene	19.4		µg/kg wet		20.0		97	70-130	6	25
trans-1,2-Dichloroethene	20.0		µg/kg wet		20.0		100	70-130	6	25
1,2-Dichloropropane	20.4		µg/kg wet		20.0		102	70-130	5	25
1,3-Dichloropropane	17.5		µg/kg wet		20.0		88	70-130	0.3	25
2,2-Dichloropropane	18.6		µg/kg wet		20.0		93	70-130	5	25
1,1-Dichloropropene	20.6		µg/kg wet		20.0		103	70-130	4	25
cis-1,3-Dichloropropene	18.7		µg/kg wet		20.0		94	70-130	4	25
trans-1,3-Dichloropropene	18.5		µg/kg wet		20.0		93	70-130	7	25
Ethylbenzene	20.3		µg/kg wet		20.0		101	70-130	0.1	25
Hexachlorobutadiene	18.7		µg/kg wet		20.0		93	68.3-130	1	50
2-Hexanone (MBK)	16.0		µg/kg wet		20.0		80	70-130	2	25
Isopropylbenzene	19.6		µg/kg wet		20.0		98	70-130	0.8	25
4-Isopropyltoluene	21.4		µg/kg wet		20.0		107	70-130	4	25
Methyl tert-butyl ether	19.5		µg/kg wet		20.0		97	70-130	6	25
4-Methyl-2-pentanone (MIBK)	17.1		µg/kg wet		20.0		86	53.1-132	12	50
Methylene chloride	18.2		µg/kg wet		20.0		91	70-130	0.06	25
Naphthalene	16.2		µg/kg wet		20.0		81	70-130	2	25
n-Propylbenzene	19.7		µg/kg wet		20.0		99	70-130	0.3	25
Styrene	19.0		µg/kg wet		20.0		95	70-130	3	25
1,1,1,2-Tetrachloroethane	19.7		µg/kg wet		20.0		99	70-130	3	25
1,1,2,2-Tetrachloroethane	18.5		µg/kg wet		20.0		92	70-130	5	25
Tetrachloroethene	19.0		µg/kg wet		20.0		95	70-130	8	25
Toluene	17.3		µg/kg wet		20.0		86	70-130	2	25
1,2,3-Trichlorobenzene	17.4		µg/kg wet		20.0		87	70-130	3	25
1,2,4-Trichlorobenzene	17.8		µg/kg wet		20.0		89	70-130	5	25
1,3,5-Trichlorobenzene	19.3		µg/kg wet		20.0		96	70-130	4	25
1,1,1-Trichloroethane	20.6		µg/kg wet		20.0		103	70-130	6	25
1,1,2-Trichloroethane	18.0		µg/kg wet		20.0		90	70-130	1	25
Trichloroethene	19.4		µg/kg wet		20.0		97	70-130	6	25
Trichlorofluoromethane (Freon 11)	19.5		µg/kg wet		20.0		98	68.2-130	0.1	50
1,2,3-Trichloropropane	17.8		µg/kg wet		20.0		89	70-130	5	25
1,2,4-Trimethylbenzene	19.1		µg/kg wet		20.0		95	70-130	2	25
1,3,5-Trimethylbenzene	19.1		µg/kg wet		20.0		96	70-130	3	25
Vinyl chloride	17.9		µg/kg wet		20.0		90	70-130	4	25
m,p-Xylene	40.7		µg/kg wet		40.0		102	70-130	0.07	25
o-Xylene	20.1		µg/kg wet		20.0		100	70-130	2	25
Tetrahydrofuran	17.4		µg/kg wet		20.0		87	70-130	1	25
Ethyl ether	20.1		µg/kg wet		20.0		101	70-130	4	50
Tert-amyl methyl ether	20.8	QR2	µg/kg wet		20.0		104	70-130	27	25
Ethyl tert-butyl ether	20.0		µg/kg wet		20.0		100	70-130	9	25
Di-isopropyl ether	20.0		µg/kg wet		20.0		100	70-130	5	25
Tert-Butanol / butyl alcohol	182		µg/kg wet		200		91	70-130	7	25
1,4-Dioxane	162		µg/kg wet		200		81	48.7-130	6	25
trans-1,4-Dichloro-2-butene	17.5		µg/kg wet		20.0		88	70-130	6	25
Ethanol	393		µg/kg wet		400		98	70-130	7	30
Surrogate: 4-Bromofluorobenzene	*46.9*		µg/kg wet		*50.0*		*94*	*70-130*		
Surrogate: Toluene-d8	*46.4*		µg/kg wet		*50.0*		*93*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*45.6*		µg/kg wet		*50.0*		*91*	*70-130*		
Surrogate: Dibromofluoromethane	*46.6*		µg/kg wet		*50.0*		*93*	*70-130*		

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010357 - SW846 3545A										
Blank (9010357-BLK1)										
Prepared: 08-Jan-09 Analyzed: 09-Jan-09										
Acenaphthene	BRL		µg/kg wet	165						
Acenaphthylene	BRL		µg/kg wet	165						
Aniline	BRL		µg/kg wet	165						
Anthracene	BRL		µg/kg wet	165						
Atrazine	BRL		µg/kg wet	165						
Azobenzene/Diphenyldiazine	BRL		µg/kg wet	165						
Benzidine	BRL		µg/kg wet	165						
Benzo (a) anthracene	BRL		µg/kg wet	165						
Benzo (a) pyrene	BRL		µg/kg wet	165						
Benzo (b) fluoranthene	BRL		µg/kg wet	165						
Benzo (g,h,i) perylene	BRL		µg/kg wet	165						
Benzo (k) fluoranthene	BRL		µg/kg wet	165						
Benzoic acid	BRL		µg/kg wet	165						
Benzyl alcohol	BRL		µg/kg wet	165						
Bis(2-chloroethoxy)methane	BRL		µg/kg wet	165						
Bis(2-chloroethyl)ether	BRL		µg/kg wet	165						
Bis(2-chloroisopropyl)ether	BRL		µg/kg wet	165						
Bis(2-ethylhexyl)phthalate	BRL		µg/kg wet	165						
4-Bromophenyl phenyl ether	BRL		µg/kg wet	165						
Butyl benzyl phthalate	BRL		µg/kg wet	165						
Carbazole	BRL		µg/kg wet	165						
4-Chloro-3-methylphenol	BRL		µg/kg wet	165						
4-Chloroaniline	BRL		µg/kg wet	165						
2-Chloronaphthalene	BRL		µg/kg wet	165						
2-Chlorophenol	BRL		µg/kg wet	165						
4-Chlorophenyl phenyl ether	BRL		µg/kg wet	165						
Chrysene	BRL		µg/kg wet	165						
Dibenzo (a,h) anthracene	BRL		µg/kg wet	165						
Dibenzofuran	BRL		µg/kg wet	165						
1,2-Dichlorobenzene	BRL		µg/kg wet	165						
1,3-Dichlorobenzene	BRL		µg/kg wet	165						
1,4-Dichlorobenzene	BRL		µg/kg wet	165						
3,3'-Dichlorobenzidine	BRL		µg/kg wet	165						
2,4-Dichlorophenol	BRL		µg/kg wet	165						
Diethyl phthalate	BRL		µg/kg wet	165						
Dimethyl phthalate	BRL		µg/kg wet	165						
2,4-Dimethylphenol	BRL		µg/kg wet	165						
Di-n-butyl phthalate	BRL		µg/kg wet	165						
4,6-Dinitro-2-methylphenol	BRL		µg/kg wet	165						
2,4-Dinitrophenol	BRL		µg/kg wet	165						
2,4-Dinitrotoluene	BRL		µg/kg wet	165						
2,6-Dinitrotoluene	BRL		µg/kg wet	165						
Di-n-octyl phthalate	BRL		µg/kg wet	165						
Fluoranthene	BRL		µg/kg wet	165						
Fluorene	BRL		µg/kg wet	165						
Hexachlorobenzene	BRL		µg/kg wet	165						
Hexachlorobutadiene	BRL		µg/kg wet	165						
Hexachlorocyclopentadiene	BRL		µg/kg wet	165						
Hexachloroethane	BRL		µg/kg wet	165						

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010357 - SW846 3545A										
Blank (9010357-BLK1)										
Prepared: 08-Jan-09 Analyzed: 09-Jan-09										
Indeno (1,2,3-cd) pyrene	BRL		µg/kg wet	165						
Isophorone	BRL		µg/kg wet	165						
1-Methylnaphthalene	BRL		µg/kg wet	165						
2-Methylnaphthalene	BRL		µg/kg wet	165						
2-Methylphenol	BRL		µg/kg wet	165						
3 & 4-Methylphenol	BRL		µg/kg wet	165						
Naphthalene	BRL		µg/kg wet	165						
2-Nitroaniline	BRL		µg/kg wet	165						
3-Nitroaniline	BRL		µg/kg wet	165						
4-Nitroaniline	BRL		µg/kg wet	660						
Nitrobenzene	BRL		µg/kg wet	165						
2-Nitrophenol	BRL		µg/kg wet	165						
4-Nitrophenol	BRL		µg/kg wet	660						
N-Nitrosodimethylamine	BRL		µg/kg wet	165						
N-Nitrosodi-n-propylamine	BRL		µg/kg wet	165						
N-Nitrosodiphenylamine	BRL		µg/kg wet	165						
Pentachlorophenol	BRL		µg/kg wet	165						
Phenanthrene	BRL		µg/kg wet	165						
Phenol	BRL		µg/kg wet	165						
Pyrene	BRL		µg/kg wet	165						
Pyridine	BRL		µg/kg wet	165						
1,2,4-Trichlorobenzene	BRL		µg/kg wet	165						
2,4,5-Trichlorophenol	BRL		µg/kg wet	165						
2,4,6-Trichlorophenol	BRL		µg/kg wet	165						
Pentachloronitrobenzene	BRL		µg/kg wet	165						
1,2,4,5-Tetrachlorobenzene	BRL		µg/kg wet	165						
Surrogate: 2-Fluorobiphenyl	*1110*		µg/kg wet		*1670*		*67*	*30-130*		
Surrogate: 2-Fluorophenol	*1150*		µg/kg wet		*1670*		*69*	*15-110*		
Surrogate: Nitrobenzene-d5	*1050*		µg/kg wet		*1670*		*63*	*30-130*		
Surrogate: Phenol-d5	*1050*		µg/kg wet		*1670*		*63*	*15-110*		
Surrogate: Terphenyl-dl4	*1300*		µg/kg wet		*1670*		*78*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*1210*		µg/kg wet		*1670*		*72*	*15-110*		
LCS (9010357-BS1)										
Prepared: 08-Jan-09 Analyzed: 09-Jan-09										
Acenaphthene	1270		µg/kg wet	165	1670		76	40-130		
Acenaphthylene	1230		µg/kg wet	165	1670		74	40-130		
Aniline	508	QC2	µg/kg wet	165	1670		30	40-130		
Anthracene	1200		µg/kg wet	165	1670		72	40-130		
Atrazine	921		µg/kg wet	165	1670		55	40-130		
Azobenzene/Diphenyldiazine	1210		µg/kg wet	165	1670		72	40-130		
Benzidine	BRL		µg/kg wet	165	1670			0-130		
Benzo (a) anthracene	1490		µg/kg wet	165	1670		90	40-130		
Benzo (a) pyrene	1270		µg/kg wet	165	1670		76	40-130		
Benzo (b) fluoranthene	1480		µg/kg wet	165	1670		89	40-130		
Benzo (g,h,i) perylene	1270		µg/kg wet	165	1670		76	40-130		
Benzo (k) fluoranthene	1110		µg/kg wet	165	1670		67	40-130		
Benzoic acid	1340		µg/kg wet	165	1670		80	19.5-130		
Benzyl alcohol	1160		µg/kg wet	165	1670		70	40-130		
Bis(2-chloroethoxy)methane	1270		µg/kg wet	165	1670		76	40-130		
Bis(2-chloroethyl)ether	1340		µg/kg wet	165	1670		80	40-130		

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010357 - SW846 3545A										
LCS (9010357-BS1)										
Prepared: 08-Jan-09 Analyzed: 09-Jan-09										
Bis(2-chloroisopropyl)ether	1300		µg/kg wet	165	1670		78	40-130		
Bis(2-ethylhexyl)phthalate	1720		µg/kg wet	165	1670		103	40-130		
4-Bromophenyl phenyl ether	1310		µg/kg wet	165	1670		79	40-130		
Butyl benzyl phthalate	1710		µg/kg wet	165	1670		103	40-130		
Carbazole	1220		µg/kg wet	165	1670		73	40-130		
4-Chloro-3-methylphenol	1200		µg/kg wet	165	1670		72	40-130		
4-Chloroaniline	830		µg/kg wet	165	1670		50	40-130		
2-Chloronaphthalene	1170		µg/kg wet	165	1670		70	40-130		
2-Chlorophenol	1150		µg/kg wet	165	1670		69	40-130		
4-Chlorophenyl phenyl ether	1420		µg/kg wet	165	1670		85	40-130		
Chrysene	1520		µg/kg wet	165	1670		91	40-130		
Dibenzo (a,h) anthracene	1330		µg/kg wet	165	1670		80	40-130		
Dibenzofuran	1180		µg/kg wet	165	1670		71	40-130		
1,2-Dichlorobenzene	1080		µg/kg wet	165	1670		65	40-130		
1,3-Dichlorobenzene	1050		µg/kg wet	165	1670		63	40-130		
1,4-Dichlorobenzene	1030		µg/kg wet	165	1670		62	40-130		
3,3'-Dichlorobenzidine	1210		µg/kg wet	165	1670		72	40-130		
2,4-Dichlorophenol	1200		µg/kg wet	165	1670		72	40-130		
Diethyl phthalate	1400		µg/kg wet	165	1670		84	40-130		
Dimethyl phthalate	1440		µg/kg wet	165	1670		86	40-130		
2,4-Dimethylphenol	1160		µg/kg wet	165	1670		69	40-130		
Di-n-butyl phthalate	1390		µg/kg wet	165	1670		83	40-130		
4,6-Dinitro-2-methylphenol	984		µg/kg wet	165	1670		59	40-130		
2,4-Dinitrophenol	901		µg/kg wet	165	1670		54	40-130		
2,4-Dinitrotoluene	1350		µg/kg wet	165	1670		81	40-130		
2,6-Dinitrotoluene	1260		µg/kg wet	165	1670		76	40-130		
Di-n-octyl phthalate	1490		µg/kg wet	165	1670		89	40-130		
Fluoranthene	1240		µg/kg wet	165	1670		74	40-130		
Fluorene	1210		µg/kg wet	165	1670		73	40-130		
Hexachlorobenzene	1120		µg/kg wet	165	1670		67	40-130		
Hexachlorobutadiene	1040		µg/kg wet	165	1670		62	40-130		
Hexachlorocyclopentadiene	760		µg/kg wet	165	1670		46	40-130		
Hexachloroethane	1040		µg/kg wet	165	1670		62	40-130		
Indeno (1,2,3-cd) pyrene	1330		µg/kg wet	165	1670		80	40-130		
1-Methylnaphthalene	1240		µg/kg wet	165	1670		74	40-140		
Isophorone	1100		µg/kg wet	165	1670		66	40-130		
2-Methylnaphthalene	1130		µg/kg wet	165	1670		68	40-130		
2-Methylphenol	1140		µg/kg wet	165	1670		68	40-130		
3 & 4-Methylphenol	1290		µg/kg wet	165	1670		78	40-130		
Naphthalene	1130		µg/kg wet	165	1670		68	40-130		
2-Nitroaniline	1310		µg/kg wet	165	1670		78	40-130		
3-Nitroaniline	957		µg/kg wet	165	1670		57	40-130		
4-Nitroaniline	1210		µg/kg wet	660	1670		73	40-130		
Nitrobenzene	1050		µg/kg wet	165	1670		63	40-130		
2-Nitrophenol	1170		µg/kg wet	165	1670		70	40-130		
4-Nitrophenol	1560		µg/kg wet	660	1670		94	40-130		
N-Nitrosodimethylamine	1300		µg/kg wet	165	1670		78	40-130		
N-Nitrosodi-n-propylamine	1140		µg/kg wet	165	1670		68	40-130		
N-Nitrosodiphenylamine	1400		µg/kg wet	165	1670		84	40-130		

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010357 - SW846 3545A										
LCS (9010357-BS1)										
Prepared: 08-Jan-09 Analyzed: 09-Jan-09										
Pentachlorophenol	1380		µg/kg wet	165	1670		83	40-130		
Phenanthrene	1210		µg/kg wet	165	1670		73	40-130		
Phenol	1160		µg/kg wet	165	1670		70	40-130		
Pyrene	1520		µg/kg wet	165	1670		91	40-130		
Pyridine	191		µg/kg wet	165	1670		11	0-130		
1,2,4-Trichlorobenzene	1070		µg/kg wet	165	1670		64	40-130		
2,4,5-Trichlorophenol	1290		µg/kg wet	165	1670		77	40-130		
2,4,6-Trichlorophenol	1260		µg/kg wet	165	1670		75	40-130		
Pentachloronitrobenzene	1160		µg/kg wet	165	1670		69	40-140		
1,2,4,5-Tetrachlorobenzene	1110		µg/kg wet	165	1670		66	40-140		
Surrogate: 2-Fluorobiphenyl	*1150*		µg/kg wet		*1670*		*69*	*30-130*		
Surrogate: 2-Fluorophenol	*1070*		µg/kg wet		*1670*		*64*	*15-110*		
Surrogate: Nitrobenzene-d5	*1090*		µg/kg wet		*1670*		*66*	*30-130*		
Surrogate: Phenol-d5	*1000*		µg/kg wet		*1670*		*60*	*15-110*		
Surrogate: Terphenyl-dl4	*1320*		µg/kg wet		*1670*		*79*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*1240*		µg/kg wet		*1670*		*75*	*15-110*		
Duplicate (9010357-DUP1) **Source: SA89497-03**										
Prepared: 08-Jan-09 Analyzed: 09-Jan-09										
Acenaphthene	BRL		µg/kg dry	494		BRL				50
Acenaphthylene	BRL		µg/kg dry	494		BRL				50
Aniline	BRL		µg/kg dry	494		BRL				50
Anthracene	BRL		µg/kg dry	494		BRL				50
Atrazine	BRL		µg/kg dry	494		BRL				50
Azobenzene/Diphenyldiazine	BRL		µg/kg dry	494		BRL				50
Benzidine	BRL		µg/kg dry	494		BRL				50
Benzo (a) anthracene	BRL		µg/kg dry	494		BRL				50
Benzo (a) pyrene	BRL		µg/kg dry	494		BRL				50
Benzo (b) fluoranthene	BRL		µg/kg dry	494		BRL				50
Benzo (g,h,i) perylene	BRL		µg/kg dry	494		BRL				50
Benzo (k) fluoranthene	BRL		µg/kg dry	494		BRL				50
Benzoic acid	BRL		µg/kg dry	494		BRL				50
Benzyl alcohol	BRL		µg/kg dry	494		BRL				50
Bis(2-chloroethoxy)methane	BRL		µg/kg dry	494		BRL				50
Bis(2-chloroethyl)ether	BRL		µg/kg dry	494		BRL				50
Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	494		BRL				50
Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	494		BRL				50
4-Bromophenyl phenyl ether	BRL		µg/kg dry	494		BRL				50
Butyl benzyl phthalate	BRL		µg/kg dry	494		BRL				50
Carbazole	BRL		µg/kg dry	494		BRL				50
4-Chloro-3-methylphenol	BRL		µg/kg dry	494		BRL				50
4-Chloroaniline	BRL		µg/kg dry	494		BRL				50
2-Chloronaphthalene	BRL		µg/kg dry	494		BRL				50
2-Chlorophenol	BRL		µg/kg dry	494		BRL				50
4-Chlorophenyl phenyl ether	BRL		µg/kg dry	494		BRL				50
Chrysene	BRL		µg/kg dry	494		BRL				50
Dibenzo (a,h) anthracene	BRL		µg/kg dry	494		BRL				50
Dibenzofuran	BRL		µg/kg dry	494		BRL				50
1,2-Dichlorobenzene	BRL		µg/kg dry	494		BRL				50
1,3-Dichlorobenzene	BRL		µg/kg dry	494		BRL				50
1,4-Dichlorobenzene	BRL		µg/kg dry	494		BRL				50

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010357 - SW846 3545A										
Duplicate (9010357-DUP1) **Source: SA89497-03**										
Prepared: 08-Jan-09 Analyzed: 09-Jan-09										
3,3'-Dichlorobenzidine	BRL		µg/kg dry	494		BRL				50
2,4-Dichlorophenol	BRL		µg/kg dry	494		BRL				50
Diethyl phthalate	BRL		µg/kg dry	494		BRL				50
Dimethyl phthalate	BRL		µg/kg dry	494		BRL				50
2,4-Dimethylphenol	BRL		µg/kg dry	494		BRL				50
Di-n-butyl phthalate	BRL		µg/kg dry	494		BRL				50
4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	494		BRL				50
2,4-Dinitrophenol	BRL		µg/kg dry	494		BRL				50
2,4-Dinitrotoluene	BRL		µg/kg dry	494		BRL				50
2,6-Dinitrotoluene	BRL		µg/kg dry	494		BRL				50
Di-n-octyl phthalate	BRL		µg/kg dry	494		BRL				50
Fluoranthene	BRL		µg/kg dry	494		BRL				50
Fluorene	BRL		µg/kg dry	494		BRL				50
Hexachlorobenzene	BRL		µg/kg dry	494		BRL				50
Hexachlorobutadiene	BRL		µg/kg dry	494		BRL				50
Hexachlorocyclopentadiene	BRL		µg/kg dry	494		BRL				50
Hexachloroethane	BRL		µg/kg dry	494		BRL				50
Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	494		BRL				50
1-Methylnaphthalene	BRL		µg/kg dry	494		BRL				50
Isophorone	BRL		µg/kg dry	494		BRL				50
2-Methylnaphthalene	BRL		µg/kg dry	494		BRL				50
2-Methylphenol	BRL		µg/kg dry	494		BRL				50
3 & 4-Methylphenol	BRL		µg/kg dry	494		BRL				50
Naphthalene	BRL		µg/kg dry	494		BRL				50
2-Nitroaniline	BRL		µg/kg dry	494		BRL				50
3-Nitroaniline	BRL		µg/kg dry	494		BRL				50
4-Nitroaniline	BRL		µg/kg dry	1980		BRL				50
Nitrobenzene	BRL		µg/kg dry	494		BRL				50
2-Nitrophenol	BRL		µg/kg dry	494		BRL				50
4-Nitrophenol	BRL		µg/kg dry	1980		BRL				50
N-Nitrosodimethylamine	BRL		µg/kg dry	494		BRL				50
N-Nitrosodi-n-propylamine	BRL		µg/kg dry	494		BRL				50
N-Nitrosodiphenylamine	BRL		µg/kg dry	494		BRL				50
Pentachlorophenol	BRL		µg/kg dry	494		BRL				50
Phenanthrene	BRL		µg/kg dry	494		BRL				50
Phenol	BRL		µg/kg dry	494		BRL				50
Pyrene	BRL		µg/kg dry	494		BRL				50
Pyridine	BRL		µg/kg dry	494		BRL				50
1,2,4-Trichlorobenzene	BRL		µg/kg dry	494		BRL				50
2,4,5-Trichlorophenol	BRL		µg/kg dry	494		BRL				50
2,4,6-Trichlorophenol	BRL		µg/kg dry	494		BRL				50
Pentachloronitrobenzene	BRL		µg/kg dry	494		BRL				50
1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	494		BRL				50
Surrogate: 2-Fluorobiphenyl	*1730*		µg/kg dry		*2490*		*69*	*30-130*		
Surrogate: 2-Fluorophenol	*1840*		µg/kg dry		*2490*		*74*	*15-110*		
Surrogate: Nitrobenzene-d5	*1620*		µg/kg dry		*2490*		*65*	*30-130*		
Surrogate: Phenol-d5	*1650*		µg/kg dry		*2490*		*66*	*15-110*		
Surrogate: Terphenyl-dl4	*2210*		µg/kg dry		*2490*		*89*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*1940*		µg/kg dry		*2490*		*78*	*15-110*		

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010357 - SW846 3545A										
Matrix Spike (9010357-MS1) **Source: SA89497-03**										
Prepared: 08-Jan-09 Analyzed: 09-Jan-09										
Acenaphthene	1900		µg/kg dry	248	2510	BRL	76	40-140		
Benzo (b) fluoranthene	2030		µg/kg dry	248	2510	BRL	81	40-140		
Benzo (k) fluoranthene	2020		µg/kg dry	248	2510	BRL	80	40-140		
4-Chloro-3-methylphenol	1780		µg/kg dry	248	2510	BRL	71	30-130		
2-Chlorophenol	1680		µg/kg dry	248	2510	BRL	67	30-130		
Chrysene	2280		µg/kg dry	248	2510	BRL	91	40-140		
1,4-Dichlorobenzene	1540		µg/kg dry	248	2510	BRL	62	40-140		
Indeno (1,2,3-cd) pyrene	2060		µg/kg dry	248	2510	BRL	82	40-140		
Naphthalene	1660		µg/kg dry	248	2510	BRL	66	40-140		
4-Nitrophenol	1940		µg/kg dry	994	2510	BRL	77	30-130		
N-Nitrosodi-n-propylamine	1590		µg/kg dry	248	2510	BRL	63	40-140		
Pentachlorophenol	1880		µg/kg dry	248	2510	BRL	75	30-130		
Phenol	1660		µg/kg dry	248	2510	BRL	66	30-130		
Pyrene	2330		µg/kg dry	248	2510	BRL	93	40-140		
1,2,4-Trichlorobenzene	1570		µg/kg dry	248	2510	BRL	63	40-140		
Surrogate: 2-Fluorobiphenyl	*1690*		µg/kg dry		*2510*		*67*	*30-130*		
Surrogate: 2-Fluorophenol	*1540*		µg/kg dry		*2510*		*61*	*15-110*		
Surrogate: Nitrobenzene-d5	*1580*		µg/kg dry		*2510*		*63*	*30-130*		
Surrogate: Phenol-d5	*1440*		µg/kg dry		*2510*		*58*	*15-110*		
Surrogate: Terphenyl-dl4	*1990*		µg/kg dry		*2510*		*79*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*1810*		µg/kg dry		*2510*		*72*	*15-110*		
Matrix Spike Dup (9010357-MSD1) **Source: SA89497-03**										
Prepared: 08-Jan-09 Analyzed: 09-Jan-09										
Acenaphthene	1680		µg/kg dry	243	2450	BRL	69	40-140	10	30
Benzo (b) fluoranthene	1870		µg/kg dry	243	2450	BRL	76	40-140	6	30
Benzo (k) fluoranthene	1740		µg/kg dry	243	2450	BRL	71	40-140	13	30
4-Chloro-3-methylphenol	1570		µg/kg dry	243	2450	BRL	64	30-130	10	30
2-Chlorophenol	1510		µg/kg dry	243	2450	BRL	61	30-130	9	30
Chrysene	2040		µg/kg dry	243	2450	BRL	83	40-140	9	30
1,4-Dichlorobenzene	1310		µg/kg dry	243	2450	BRL	54	40-140	14	30
Indeno (1,2,3-cd) pyrene	1790		µg/kg dry	243	2450	BRL	73	40-140	12	30
Naphthalene	1440		µg/kg dry	243	2450	BRL	59	40-140	12	30
4-Nitrophenol	1640		µg/kg dry	972	2450	BRL	67	30-130	14	30
N-Nitrosodi-n-propylamine	1480		µg/kg dry	243	2450	BRL	60	40-140	5	30
Pentachlorophenol	1590		µg/kg dry	243	2450	BRL	65	30-130	14	30
Phenol	1530		µg/kg dry	243	2450	BRL	62	30-130	6	30
Pyrene	2090		µg/kg dry	243	2450	BRL	85	40-140	8	30
1,2,4-Trichlorobenzene	1380		µg/kg dry	243	2450	BRL	56	40-140	11	30
Surrogate: 2-Fluorobiphenyl	*1450*		µg/kg dry		*2450*		*59*	*30-130*		
Surrogate: 2-Fluorophenol	*1370*		µg/kg dry		*2450*		*56*	*15-110*		
Surrogate: Nitrobenzene-d5	*1370*		µg/kg dry		*2450*		*56*	*30-130*		
Surrogate: Phenol-d5	*1280*		µg/kg dry		*2450*		*52*	*15-110*		
Surrogate: Terphenyl-dl4	*1770*		µg/kg dry		*2450*		*72*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*1560*		µg/kg dry		*2450*		*64*	*15-110*		

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010356 - SW846 3550B										
Blank (9010356-BLK1)										
Prepared: 08-Jan-09 Analyzed: 09-Jan-09										
2,4,5-T	BRL		µg/kg wet	6.70						
2,4,5-T [2C]	BRL		µg/kg wet	6.70						
2,4,5-TP (Silvex)	BRL		µg/kg wet	6.70						
2,4,5-TP (Silvex) [2C]	BRL		µg/kg wet	6.70						
2,4-D	BRL		µg/kg wet	6.70						
2,4-D [2C]	BRL		µg/kg wet	6.70						
2,4-DB	BRL		µg/kg wet	6.70						
2,4-DB [2C]	BRL		µg/kg wet	6.70						
Dalapon	BRL		µg/kg wet	6.70						
Dalapon [2C]	BRL		µg/kg wet	6.70						
Dicamba	BRL		µg/kg wet	6.70						
Dicamba [2C]	BRL		µg/kg wet	6.70						
Dichlorprop	BRL		µg/kg wet	6.70						
Dichlorprop [2C]	BRL		µg/kg wet	6.70						
Dinoseb	BRL		µg/kg wet	6.70						
Dinoseb [2C]	BRL		µg/kg wet	6.70						
MCPA	BRL		µg/kg wet	670						
MCPA [2C]	BRL		µg/kg wet	670						
MCPB	BRL		µg/kg wet	670						
MCPB [2C]	BRL		µg/kg wet	670						
MCPP	BRL		µg/kg wet	670						
MCPP [2C]	BRL		µg/kg wet	670						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*16.0*		µg/kg wet		*13.3*		*120*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [:	*12.9*		µg/kg wet		*13.3*		*97*	*30-150*		
LCS (9010356-BS1)										
Prepared: 08-Jan-09 Analyzed: 09-Jan-09										
2,4,5-T	17.9		µg/kg wet	6.70	33.3		54	40-140		
2,4,5-T [2C]	16.9		µg/kg wet	6.70	33.3		51	40-140		
2,4,5-TP (Silvex)	19.7		µg/kg wet	6.70	33.3		59	40-140		
2,4,5-TP (Silvex) [2C]	19.8		µg/kg wet	6.70	33.3		59	40-140		
2,4-D	18.0		µg/kg wet	6.70	33.3		54	40-140		
2,4-D [2C]	18.4		µg/kg wet	6.70	33.3		55	40-140		
2,4-DB	17.5		µg/kg wet	6.70	33.3		53	40-140		
2,4-DB [2C]	16.3		µg/kg wet	6.70	33.3		49	40-140		
Dalapon	20.2		µg/kg wet	6.70	33.3		61	40-140		
Dalapon [2C]	14.5		µg/kg wet	6.70	33.3		44	40-140		
Dicamba	20.5		µg/kg wet	6.70	33.3		62	40-140		
Dicamba [2C]	18.9		µg/kg wet	6.70	33.3		57	40-140		
Dichlorprop	20.7		µg/kg wet	6.70	33.3		62	40-140		
Dichlorprop [2C]	19.6		µg/kg wet	6.70	33.3		59	40-140		
Dinoseb	22.1		µg/kg wet	6.70	33.3		66	40-140		
Dinoseb [2C]	20.5		µg/kg wet	6.70	33.3		62	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*15.8*		µg/kg wet		*13.3*		*118*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [:	*12.7*		µg/kg wet		*13.3*		*96*	*30-150*		
LCS (9010356-BS2)										
Prepared: 08-Jan-09 Analyzed: 09-Jan-09										
MCPA	6600		µg/kg wet	670	10000		66	40-140		
MCPA [2C]	8000		µg/kg wet	670	10000		80	40-140		
MCPB	7470		µg/kg wet	670	10000		75	40-140		

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010356 - SW846 3550B										
LCS (9010356-BS2)										
Prepared: 08-Jan-09 Analyzed: 09-Jan-09										
MCPB [2C]	8000		µg/kg wet	670	10000		80	40-140		
MCPP	5930		µg/kg wet	670	10000		59	40-140		
MCPP [2C]	7800		µg/kg wet	670	10000		78	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*16.5*		µg/kg wet		*13.3*		*124*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [	*14.5*		µg/kg wet		*13.3*		*109*	*30-150*		
LCS Dup (9010356-BSD1)										
Prepared: 08-Jan-09 Analyzed: 09-Jan-09										
2,4,5-T	20.0		µg/kg wet	6.70	33.3		60	40-140	11	25
2,4,5-T [2C]	19.6		µg/kg wet	6.70	33.3		59	40-140	15	25
2,4,5-TP (Silvex)	21.5		µg/kg wet	6.70	33.3		64	40-140	8	25
2,4,5-TP (Silvex) [2C]	22.9		µg/kg wet	6.70	33.3		69	40-140	15	25
2,4-D	17.1		µg/kg wet	6.70	33.3		51	40-140	5	25
2,4-D [2C]	17.5		µg/kg wet	6.70	33.3		52	40-140	5	25
2,4-DB	19.1		µg/kg wet	6.70	33.3		57	40-140	9	25
2,4-DB [2C]	17.9		µg/kg wet	6.70	33.3		54	40-140	10	25
Dalapon	21.3		µg/kg wet	6.70	33.3		64	40-140	5	25
Dalapon [2C]	18.9	QR2	µg/kg wet	6.70	33.3		57	40-140	26	25
Dicamba	22.3		µg/kg wet	6.70	33.3		67	40-140	8	25
Dicamba [2C]	21.1		µg/kg wet	6.70	33.3		63	40-140	11	25
Dichlorprop	23.7		µg/kg wet	6.70	33.3		71	40-140	13	25
Dichlorprop [2C]	20.8		µg/kg wet	6.70	33.3		62	40-140	6	25
Dinoseb	24.5		µg/kg wet	6.70	33.3		73	40-140	10	25
Dinoseb [2C]	23.5		µg/kg wet	6.70	33.3		71	40-140	14	25
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*17.8*		µg/kg wet		*13.3*		*134*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [	*14.7*		µg/kg wet		*13.3*		*110*	*30-150*		
LCS Dup (9010356-BSD2)										
Prepared: 08-Jan-09 Analyzed: 09-Jan-09										
MCPA	7730		µg/kg wet	670	10000		77	40-140	16	25
MCPA [2C]	7400		µg/kg wet	670	10000		74	40-140	8	25
MCPB	8130		µg/kg wet	670	10000		81	40-140	9	25
MCPB [2C]	8070		µg/kg wet	670	10000		81	40-140	0.8	25
MCPP	6000		µg/kg wet	670	10000		60	40-140	1	25
MCPP [2C]	7200		µg/kg wet	670	10000		72	40-140	8	25
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*16.7*		µg/kg wet		*13.3*		*125*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [	*13.2*		µg/kg wet		*13.3*		*99*	*30-150*		
Duplicate (9010356-DUP1) **Source: SA89497-02**										
Prepared: 08-Jan-09 Analyzed: 09-Jan-09										
2,4,5-T	BRL		µg/kg dry	6.70		BRL				30
2,4,5-T [2C]	BRL		µg/kg dry	6.70		BRL				30
2,4,5-TP (Silvex)	BRL		µg/kg dry	6.70		BRL				30
2,4,5-TP (Silvex) [2C]	BRL		µg/kg dry	6.70		BRL				30
2,4-D	BRL		µg/kg dry	6.70		BRL				30
2,4-D [2C]	BRL		µg/kg dry	6.70		BRL				30
2,4-DB	BRL		µg/kg dry	6.70		BRL				30
2,4-DB [2C]	BRL		µg/kg dry	6.70		BRL				30
Dalapon	BRL		µg/kg dry	6.70		BRL				30
Dalapon [2C]	BRL		µg/kg dry	6.70		BRL				30
Dicamba	BRL		µg/kg dry	6.70		BRL				30
Dicamba [2C]	BRL		µg/kg dry	6.70		BRL				30

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010356 - SW846 3550B										
Duplicate (9010356-DUP1) **Source: SA89497-02**										
Prepared: 08-Jan-09 Analyzed: 09-Jan-09										
Dichlorprop	BRL		µg/kg dry	6.70		BRL				30
Dichlorprop [2C]	BRL		µg/kg dry	6.70		BRL				30
Dinoseb	BRL		µg/kg dry	6.70		BRL				30
Dinoseb [2C]	BRL		µg/kg dry	6.70		BRL				30
MCPA	BRL		µg/kg dry	670		BRL				30
MCPA [2C]	BRL		µg/kg dry	670		BRL				30
MCPB	BRL		µg/kg dry	670		BRL				30
MCPB [2C]	BRL		µg/kg dry	670		BRL				30
MCPP	BRL		µg/kg dry	670		BRL				30
MCPP [2C]	BRL		µg/kg dry	670		BRL				30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*20.5*		µg/kg dry		*18.7*		*110*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [:	*15.8*		µg/kg dry		*18.7*		*85*	*30-150*		
Batch 9010360 - SW846 3545A										
Blank (9010360-BLK1)										
Prepared: 08-Jan-09 Analyzed: 09-Jan-09										
PCB 1016	BRL		µg/kg wet	20.0						
PCB 1221	BRL		µg/kg wet	20.0						
PCB 1232	BRL		µg/kg wet	20.0						
PCB 1242	BRL		µg/kg wet	20.0						
PCB 1248	BRL		µg/kg wet	20.0						
PCB 1254	BRL		µg/kg wet	20.0						
PCB 1260	BRL		µg/kg wet	20.0						
PCB 1262	BRL		µg/kg wet	20.0						
PCB 1268	BRL		µg/kg wet	20.0						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*14.6*		µg/kg wet		*20.0*		*73*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*15.4*		µg/kg wet		*20.0*		*77*	*30-150*		
LCS (9010360-BS1)										
Prepared: 08-Jan-09 Analyzed: 09-Jan-09										
PCB 1016	230		µg/kg wet	20.0	250		92	40-140		
PCB 1260	245		µg/kg wet	20.0	250		98	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*15.2*		µg/kg wet		*20.0*		*76*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*16.9*		µg/kg wet		*20.0*		*84*	*30-150*		
LCS Dup (9010360-BSD1)										
Prepared: 08-Jan-09 Analyzed: 09-Jan-09										
PCB 1016	224		µg/kg wet	20.0	250		90	40-140	3	30
PCB 1260	231		µg/kg wet	20.0	250		92	40-140	6	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*14.8*		µg/kg wet		*20.0*		*74*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*15.8*		µg/kg wet		*20.0*		*79*	*30-150*		
Duplicate (9010360-DUP1) **Source: SA89433-01**										
Prepared: 08-Jan-09 Analyzed: 09-Jan-09										
PCB 1016	BRL		µg/kg dry	23.4		BRL				40
PCB 1221	BRL		µg/kg dry	23.4		BRL				40
PCB 1232	BRL		µg/kg dry	23.4		BRL				40
PCB 1242	BRL		µg/kg dry	23.4		BRL				40
PCB 1248	BRL		µg/kg dry	23.4		BRL				40
PCB 1254	BRL		µg/kg dry	23.4		BRL				40
PCB 1260	BRL		µg/kg dry	23.4		BRL				40
PCB 1262	BRL		µg/kg dry	23.4		BRL				40
PCB 1268	BRL		µg/kg dry	23.4		BRL				40

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010360 - SW846 3545A										
Duplicate (9010360-DUP1) **Source: SA89433-01**										
Prepared: 08-Jan-09 Analyzed: 09-Jan-09										
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*17.2*		µg/kg dry		*23.4*		*73*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*34.0*		µg/kg dry		*23.4*		*145*	*30-150*		
Matrix Spike (9010360-MS1) **Source: SA89433-01**										
Prepared: 08-Jan-09 Analyzed: 09-Jan-09										
PCB 1016	205		µg/kg dry	23.1	288	BRL	71	40-140		
PCB 1260	324		µg/kg dry	23.1	288	BRL	113	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*16.0*		µg/kg dry		*23.0*		*69*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*31.7*		µg/kg dry		*23.0*		*138*	*30-150*		
Matrix Spike Dup (9010360-MSD1) **Source: SA89433-01**										
Prepared: 08-Jan-09 Analyzed: 09-Jan-09										
PCB 1016	221		µg/kg dry	22.2	277	BRL	80	40-140	12	50
PCB 1260	322		µg/kg dry	22.2	277	BRL	116	40-140	3	50
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*16.4*		µg/kg dry		*22.1*		*74*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*30.4*		µg/kg dry		*22.1*		*138*	*30-150*		

Extractable Petroleum Hydrocarbons - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010359 - SW846 3550B										
Blank (9010359-BLK1)										
Prepared: 08-Jan-09 Analyzed: 09-Jan-09										
Gasoline	BRL		mg/kg wet	13.3						
Fuel Oil #2	BRL		mg/kg wet	13.3						
Fuel Oil #4	BRL		mg/kg wet	13.3						
Fuel Oil #6	BRL		mg/kg wet	13.3						
Motor Oil	BRL		mg/kg wet	13.3						
Aviation Fuel	BRL		mg/kg wet	13.3						
Unidentified	BRL		mg/kg wet	13.3						
Other Oil	BRL		mg/kg wet	13.3						
Total Petroleum Hydrocarbons	BRL		mg/kg wet	13.3						
C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg wet	13.3						
Surrogate: 1-Chlorooctadecane	*3.03*		mg/kg wet		*3.33*		*91*	*50-150*		
LCS (9010359-BS1)										
Prepared: 08-Jan-09 Analyzed: 09-Jan-09										
C9-C36 Aliphatic Hydrocarbons	66.5		mg/kg wet	13.3	93.3		71	60-120		
Surrogate: 1-Chlorooctadecane	*2.37*		mg/kg wet		*3.33*		*71*	*50-150*		
Duplicate (9010359-DUP1) **Source: SA89497-01**										
Prepared: 08-Jan-09 Analyzed: 09-Jan-09										
Gasoline	BRL		mg/kg dry	16.3		BRL				50
Fuel Oil #2	BRL		mg/kg dry	16.3		BRL				50
Fuel Oil #4	BRL		mg/kg dry	16.3		BRL				50
Fuel Oil #6	BRL		mg/kg dry	16.3		BRL				50
Motor Oil	BRL		mg/kg dry	16.3		BRL				50
Aviation Fuel	BRL		mg/kg dry	16.3		BRL				50
Unidentified	BRL		mg/kg dry	16.3		BRL				50
Other Oil	BRL		mg/kg dry	16.3		BRL				50
Total Petroleum Hydrocarbons	BRL		mg/kg dry	16.3		BRL				50
C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	16.3		BRL				50
Surrogate: 1-Chlorooctadecane	*1.99*		mg/kg dry		*2.05*		*97*	*50-150*		
Matrix Spike (9010359-MS1) **Source: SA89497-01**										
Prepared: 08-Jan-09 Analyzed: 09-Jan-09										
C9-C36 Aliphatic Hydrocarbons	82.1		mg/kg dry	15.8	111	BRL	74	50-150		
Surrogate: 1-Chlorooctadecane	*2.95*		mg/kg dry		*3.97*		*74*	*50-150*		
Matrix Spike Dup (9010359-MSD1) **Source: SA89497-01**										
Prepared: 08-Jan-09 Analyzed: 09-Jan-09										
C9-C36 Aliphatic Hydrocarbons	79.6		mg/kg dry	16.3	114	BRL	70	50-150	6	30
Surrogate: 1-Chlorooctadecane	*2.73*		mg/kg dry		*4.08*		*67*	*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 9010321 - SW846 3050B										
Blank (9010321-BLK1)										
Prepared: 07-Jan-09 Analyzed: 08-Jan-09										
Lead	BRL		mg/kg wet	1.47						
Selenium	BRL		mg/kg wet	1.47						
Arsenic	BRL		mg/kg wet	1.47						
Cadmium	BRL		mg/kg wet	0.489						
Chromium	BRL		mg/kg wet	0.978						
Silver	BRL		mg/kg wet	1.47						
Barium	BRL		mg/kg wet	0.978						
Duplicate (9010321-DUP1)	**Source: SA87647-04**									
Prepared: 07-Jan-09 Analyzed: 08-Jan-09										
Lead	38.3	QR6	mg/kg dry	1.51		27.3			34	20
Selenium	2.13	QR8	mg/kg dry	1.51		2.96			32	20
Arsenic	1.32	J,QR8	mg/kg dry	1.51		1.77			29	20
Cadmium	0.287	J	mg/kg dry	0.504		0.314			9	20
Silver	BRL		mg/kg dry	1.51		BRL				20
Chromium	11.1		mg/kg dry	1.01		13.5			20	20
Barium	45.6		mg/kg dry	1.01		50.2			10	20
Matrix Spike (9010321-MS1)	**Source: SA89494-07**									
Prepared: 07-Jan-09 Analyzed: 09-Jan-09										
Selenium	118		mg/kg dry	1.47	123	3.68	93	75-125		
Lead	257	QM7	mg/kg dry	1.47	123	281	-20	75-125		
Cadmium	118		mg/kg dry	0.491	123	0.535	95	75-125		
Chromium	149		mg/kg dry	0.983	123	31.1	96	75-125		
Arsenic	123		mg/kg dry	1.47	123	3.13	97	75-125		
Silver	116		mg/kg dry	1.47	123	BRL	94	75-125		
Barium	262		mg/kg dry	0.983	123	120	116	75-125		
Matrix Spike Dup (9010321-MSD1)	**Source: SA89494-07**									
Prepared: 07-Jan-09 Analyzed: 09-Jan-09										
Selenium	110		mg/kg dry	1.38	115	3.68	92	75-125	7	20
Lead	228	QM7	mg/kg dry	1.38	115	281	-46	75-125	12	20
Chromium	139		mg/kg dry	0.921	115	31.1	94	75-125	7	20
Cadmium	110		mg/kg dry	0.461	115	0.535	95	75-125	7	20
Silver	108		mg/kg dry	1.38	115	BRL	94	75-125	6	20
Arsenic	115		mg/kg dry	1.38	115	3.13	97	75-125	6	20
Barium	236		mg/kg dry	0.921	115	120	101	75-125	10	20
Post Spike (9010321-PS1)	**Source: SA89494-07**									
Prepared: 07-Jan-09 Analyzed: 09-Jan-09										
Selenium	123		mg/kg dry	1.49	124	3.68	96	80-120		
Arsenic	127		mg/kg dry	1.49	124	3.13	100	80-120		
Silver	118		mg/kg dry	1.49	124	BRL	95	80-120		
Cadmium	118		mg/kg dry	0.495	124	0.535	95	80-120		
Chromium	146		mg/kg dry	0.990	124	31.1	93	80-120		
Barium	236		mg/kg dry	0.990	124	120	93	80-120		
Reference (9010321-SRM1)										
Prepared: 07-Jan-09 Analyzed: 09-Jan-09										
Selenium	139		mg/kg wet	1.50	143		97	76.6-123.1		
Lead	43.5		mg/kg wet	1.50	43.1		101	78.8-120.9		
Arsenic	53.4		mg/kg wet	1.50	52.1		102	77.6-123.1		

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

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010321 - SW846 3050B										
Reference (9010321-SRM1)										
Prepared: 07-Jan-09 Analyzed: 09-Jan-09										
Cadmium	29.4		mg/kg wet	0.500	30.4		97	80.9-119.3		
Silver	15.2		mg/kg wet	1.50	15.1		101	66.4-133.6		
Chromium	118		mg/kg wet	1.00	118		100	79.7-120.3		
Barium	99.8		mg/kg wet	1.00	99.2		101	79.8-119.7		
Reference (9010321-SRM2)										
Prepared: 07-Jan-09 Analyzed: 09-Jan-09										
Lead	45.3		mg/kg wet	1.50	43.5		104	78.8-120.9		
Selenium	147		mg/kg wet	1.50	145		102	76.6-123.1		
Silver	16.1		mg/kg wet	1.50	15.2		106	66.4-133.6		
Chromium	126		mg/kg wet	1.00	119		106	79.7-120.3		
Arsenic	56.1		mg/kg wet	1.50	52.6		107	77.6-123.1		
Cadmium	30.9		mg/kg wet	0.500	30.7		101	80.9-119.3		
Barium	106		mg/kg wet	1.00	100		106	79.8-119.7		
Batch 9010322 - EPA200/SW7000 Series										
Blank (9010322-BLK1)										
Prepared: 07-Jan-09 Analyzed: 12-Jan-09										
Mercury	BRL		mg/kg wet	0.0274						
Duplicate (9010322-DUP1) Source: SA87647-04										
Prepared: 07-Jan-09 Analyzed: 12-Jan-09										
Mercury	0.0585		mg/kg dry	0.0303		0.0519			12	20
Matrix Spike (9010322-MS1) Source: SA89494-07										
Prepared: 07-Jan-09 Analyzed: 12-Jan-09										
Mercury	0.695	QM8	mg/kg dry	0.0306	0.425	0.159	126	75-125		
Matrix Spike Dup (9010322-MSD1) Source: SA89494-07										
Prepared: 07-Jan-09 Analyzed: 12-Jan-09										
Mercury	0.662		mg/kg dry	0.0300	0.417	0.159	121	75-125	5	20
Post Spike (9010322-PS1) Source: SA89494-07										
Prepared: 07-Jan-09 Analyzed: 12-Jan-09										
Mercury	0.657		mg/kg dry	0.0305	0.423	0.159	118	80-120		
Reference (9010322-SRM1)										
Prepared: 07-Jan-09 Analyzed: 12-Jan-09										
Mercury	2.66		mg/kg wet	0.0300	2.20		121	71.7-128.8		

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

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9020245 - SW846 3010A										
Blank (9020245-BLK1)										
Prepared & Analyzed: 05-Feb-09										
Lead	BRL		mg/l	0.0150						
LCS (9020245-BS1)										
Prepared & Analyzed: 05-Feb-09										
Lead	2.38		mg/l	0.0150	2.50		95	85-115		
LCS Dup (9020245-BSD1)										
Prepared & Analyzed: 05-Feb-09										
Lead	2.33		mg/l	0.0150	2.50		93	85-115	2	20
Duplicate (9020245-DUP1)	**Source: SA90516-02**									
Prepared & Analyzed: 05-Feb-09										
Lead	0.662		mg/l	0.0150		0.666			0.6	20
Matrix Spike (9020245-MS1)	**Source: SA90516-01**									
Prepared & Analyzed: 05-Feb-09										
Lead	5.65		mg/l	0.0150	2.50	3.31	94	75-125		
Matrix Spike Dup (9020245-MSD1)	**Source: SA90516-01**									
Prepared & Analyzed: 05-Feb-09										
Lead	5.67		mg/l	0.0150	2.50	3.31	95	75-125	0.4	20
Post Spike (9020245-PS1)	**Source: SA90516-01**									
Prepared & Analyzed: 05-Feb-09										
Lead	5.65		mg/l	0.0150	2.50	3.31	94	75-125		
Batch 9020349 - SW846 3050B Mod.										
Blank (9020349-BLK1)										
Prepared & Analyzed: 06-Feb-09										
Lead	BRL		mg/l	0.0075						
LCS (9020349-BS1)										
Prepared & Analyzed: 06-Feb-09										
Lead	1.23		mg/l	0.0075	1.25		98	85-115		
LCS Dup (9020349-BSD1)										
Prepared & Analyzed: 06-Feb-09										
Lead	1.22		mg/l	0.0075	1.25		98	85-115	0.5	20
Duplicate (9020349-DUP1)	**Source: SA89497-05**									
Prepared & Analyzed: 06-Feb-09										
Lead	0.0238		mg/l	0.0075		0.0226			5	20
Matrix Spike (9020349-MS1)	**Source: SA89650-04**									
Prepared & Analyzed: 06-Feb-09										
Lead	1.26		mg/l	0.0075	1.25	0.0076	100	75-125		
Matrix Spike Dup (9020349-MSD1)	**Source: SA89650-04**									
Prepared & Analyzed: 06-Feb-09										
Lead	1.26		mg/l	0.0075	1.25	0.0076	100	75-125	0.08	20
Post Spike (9020349-PS1)	**Source: SA89650-04**									
Prepared & Analyzed: 06-Feb-09										
Lead	1.26		mg/l	0.0075	1.25	0.0076	100	75-125		

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

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9011167 - SW846 3010A										
Blank (9011167-BLK1)										
Prepared & Analyzed: 20-Jan-09										
Lead	BRL		mg/l	0.0150						
Chromium	BRL		mg/l	0.0100						
Arsenic	BRL		mg/l	0.0080						
Cadmium	BRL		mg/l	0.0050						
LCS (9011167-BS1)										
Prepared & Analyzed: 20-Jan-09										
Lead	2.58		mg/l	0.0150	2.50		103	85-115		
Cadmium	2.64		mg/l	0.0050	2.50		106	85-115		
Chromium	2.56		mg/l	0.0100	2.50		102	85-115		
Arsenic	2.52		mg/l	0.0080	2.50		101	85-115		
LCS Dup (9011167-BSD1)										
Prepared & Analyzed: 20-Jan-09										
Lead	2.64		mg/l	0.0150	2.50		105	85-115	2	20
Cadmium	2.68		mg/l	0.0050	2.50		107	85-115	2	20
Arsenic	2.56		mg/l	0.0080	2.50		102	85-115	1	20
Chromium	2.60		mg/l	0.0100	2.50		104	85-115	1	20
Duplicate (9011167-DUP1)	**Source: SA89544-05**									
Prepared & Analyzed: 20-Jan-09										
Lead	BRL		mg/l	0.0150		BRL				20
Chromium	BRL		mg/l	0.0100		BRL				20
Arsenic	BRL		mg/l	0.0080		BRL				20
Cadmium	BRL		mg/l	0.0050		BRL				20
Matrix Spike (9011167-MS1)	**Source: SA89355-01**									
Prepared & Analyzed: 20-Jan-09										
Lead	2.65		mg/l	0.0150	2.50	0.0105	106	75-125		
Arsenic	2.52		mg/l	0.0080	2.50	BRL	101	75-125		
Cadmium	2.69		mg/l	0.0050	2.50	BRL	107	75-125		
Chromium	2.55		mg/l	0.0100	2.50	BRL	102	75-125		
Matrix Spike Dup (9011167-MSD1)	**Source: SA89355-01**									
Prepared & Analyzed: 20-Jan-09										
Lead	2.63		mg/l	0.0150	2.50	0.0105	105	75-125	0.9	20
Chromium	2.51		mg/l	0.0100	2.50	BRL	100	75-125	2	20
Cadmium	2.65		mg/l	0.0050	2.50	BRL	106	75-125	1	20
Arsenic	2.50		mg/l	0.0080	2.50	BRL	100	75-125	0.6	20
Post Spike (9011167-PS1)	**Source: SA89355-01**									
Prepared & Analyzed: 20-Jan-09										
Lead	2.66		mg/l	0.0150	2.50	0.0105	106	75-125		
Chromium	2.56		mg/l	0.0100	2.50	BRL	102	75-125		
Arsenic	2.55		mg/l	0.0080	2.50	BRL	102	75-125		
Cadmium	2.69		mg/l	0.0050	2.50	BRL	108	75-125		
Batch 9011168 - EPA200/SW7000 Series										
Blank (9011168-BLK1)										
Prepared: 20-Jan-09 Analyzed: 21-Jan-09										
Mercury	BRL		mg/l	0.00020						
LCS (9011168-BS1)										
Prepared: 20-Jan-09 Analyzed: 21-Jan-09										

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

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9011168 - EPA200/SW7000 Series										
LCS (9011168-BS1)										
Prepared: 20-Jan-09 Analyzed: 21-Jan-09										
Mercury	0.00457		mg/l	0.00020	0.00500		91	56.1-122		
Duplicate (9011168-DUP1)	**Source: SA89355-01**									
Prepared: 20-Jan-09 Analyzed: 21-Jan-09										
Mercury	0.00012	J	mg/l	0.00020		0.00011			4	20
Matrix Spike (9011168-MS1)	**Source: SA89355-01**									
Prepared: 20-Jan-09 Analyzed: 21-Jan-09										
Mercury	0.00502		mg/l	0.00020	0.00500	0.00011	98	59.8-119		
Matrix Spike Dup (9011168-MSD1)	**Source: SA89355-01**									
Prepared: 20-Jan-09 Analyzed: 21-Jan-09										
Mercury	0.00494		mg/l	0.00020	0.00500	0.00011	97	59.8-119	2	20
Post Spike (9011168-PS1)	**Source: SA89355-01**									
Prepared: 20-Jan-09 Analyzed: 21-Jan-09										
Mercury	0.00498		mg/l	0.00020	0.00500	0.00011	97	72.4-113		

General Chemistry Parameters - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010421 - General Preparation										
Duplicate (9010421-DUP1)	**Source: SA89458-01**									
Prepared & Analyzed: 08-Jan-09										
% Solids	93.7		%			93.9			0.2	20
Batch 9010422 - General Preparation										
Duplicate (9010422-DUP1)	**Source: SA89444-09**									
Prepared & Analyzed: 08-Jan-09										
% Solids	61.9		%			61.4			0.8	20

Notes and Definitions

O09	This sample was analyzed outside the EPA recommended holding time per client request.
QC2	Analyte out of acceptance range in QC spike but no reportable concentration present in sample.
QM7	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QM8	The spike recovery exceeded the QC control limits for the MS and/or MSD. The batch was accepted based upon acceptable PS and /or LCS recovery
QR2	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
QR6	The RPD exceeded the QC control limits; however precision is demonstrated with acceptable RPD values for MS/MSD.
QR8	Analyses are not controlled on RPD values from sample concentrations that are less than 5 times the reporting level. The batch is accepted based upon the difference between the sample and duplicate is less than or equal to the reporting limit.
VC10	The VOC preserved soil sample is not within the 1:1 weight to volume ratio as recommended by SW846 methods 5030 and 5035 but may be within the 1:1 volume to volume ratio. This variance may affect the final reporting limit.
BRL	Below Reporting Limit - Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference
J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).

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

Interpretation of Total Petroleum Hydrocarbon Report

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

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

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

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

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

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

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

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

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

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

Validated by:
Hanibal C. Tayeh, Ph.D.
Nicole Leja
Rebecca Merz

SA-89497-Fm

CHAIN OF CUSTODY RECORD

SPECTRUM ANALYTICAL, INC.
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HANNIBAL TECHNOLOGY

Page 1 of 1

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

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

Project Mgr.: David Brassard

Invoice To: DAS # 44236

P.O. No.: _____ RQN: _____

Project No.: 127-17797-00011
Site Name: H. Busway
Location: West Hartford State: CT
Sampler(s): Patrick S. DePaula

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

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

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analyses: VOC 8260	SVOC 8270	CT ETPH	PCB 8080	Herbicides 8151	Total RCRA 8 Metals	QA Reporting Notes: (check if needed)
89497-01	RSB-C61	1/5/09	845	G	SO	7	3	2			X	X	X	X	X	X	Standard QA/QC
02	RSB-C62		915														
03	RSB-C63		945														
04	RSB-C64		1030														
05	RSB-C65		1100														

State specific reporting standards (if applicable, please list below):
CT

☐ Provide MCP CAM Report
Were all field QC requirements met as per MADEP CAM Section 2.0?
☐ Yes ☐ No
(Response required for CAM report)

☐ Fax results when available to (____) _____
☒ E-mail to david.brassard@tetratech.com
EDD Format patrick.depaula
Condition upon receipt: ☐ Iced ☐ Ambient ☒ °C 5.0

Relinquished by:	Received by:	Date:	Time:
Patrick S. DePaula	G. Kaytanis	1.6.09	10
G. Kaytanis	[signature]	1/6/09	1603

SA 89497 Fry Ck

SPECTRUM ANALYTICAL, INC.
Formerly
HANDBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

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

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

Project Mgr.: David - Brassard

Invoice To: DAS # 44236

P.O. No.: _____ RQN: _____

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

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

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

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic		VOC 8260	SVOC 8270	CT ETPH	PCB 8080	Herbicides 8151	Total RCRA 8 Metals	SPLP Pb, As, Cr, Cd, Hg		QA Reporting Notes: (check if needed)
89497 01	RSB-C61	1/5/09	845	G	SO	7	3	2				X	X	X	X	X	X			Standard QA/QC
02	RSB-C62		915															X		
03	RSB-C63		945															X		added Pb. client request 1/16.
04	RSB-C64		1030															X		
05	RSB-C65		1100															X		

State specific reporting standards
If applicable, please list below.
CT

☐ Provide MCP CAM Report
Were all field QC requirements met as per MADEP CAM Section 2.0?
☐ Yes ☐ No
(Response required for CAM report)

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

Condition upon receipt: ☐ Iced ☐ Ambient ☐ 5.0

Relinquished by:	Received by:	Date:	Time:
Patrick S. dePaula	[signature]	1.6.09	10
[signature]	[signature]	1/6/09	1603

SA 89497 Fry Ck

SPECTRUM ANALYTICAL, INC.
Formerly
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

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

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

Project Mgr.: David - Brossard

Invoice To: DAS ~~XX~~ 44236

P.O. No.: _____ RQN: _____

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

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

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

G=Grab C=Composite

QA Reporting Notes: (check if needed)
State specific reporting standards
If applicable, please list below.
CT
☐ Provide MCP CAM Report
Were all field QC requirements met as per MADEP CAM Section 2.0?
☐ Yes ☐ No
(Response required for CAM report)

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	VOC 8260	SVOC 8270	CT ETPH	PCB 8080	Herbicides 8151	Total RCRA & Metals	SPLP Pb, As, Cr, Cd, Hg	TCLP Pb	QA Reporting Notes
89497 01	RSB-C61	1/5/09	845	G	SO	7	3	2			X	X	X	X	X	X			Standard QA/QC
02	RSB-C62		915														X	X	
03	RSB-C63		945														X		added Per client request 1/16
04	RSB-C64		1030														X	X	
05	RSB-C65		1100														X	X	
																			Added 2/3/09 See attached

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

Condition upon receipt: ☐ Iced ☐ Ambient ☒ 5.0

Relinquished by:	Received by:	Date:	Time:
Patrick S. dePaula	[signature]	1.6.09	10
[signature]	[signature]	1/6/09	1603

Report Date:
11-Feb-09 17:31

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
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Laboratory Report

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

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

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SA89019-01	RSB-C68	Soil	17-Dec-08 09:00	18-Dec-08 13:26
SA89019-02	RSB-C69	Soil	17-Dec-08 09:30	18-Dec-08 13:26
SA89019-03	RSB-C70	Soil	17-Dec-08 10:00	18-Dec-08 13:26
SA89019-04	RSB-C67	Soil	17-Dec-08 11:30	18-Dec-08 13:26
SA89019-05	RSB-C66	Soil	17-Dec-08 12:00	18-Dec-08 13:26
SA89019-06	RSB-C51	Soil	17-Dec-08 13:35	18-Dec-08 13:26
SA89019-07	RSB-C52	Soil	17-Dec-08 14:15	18-Dec-08 13:26

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

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

Authorized by:

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

Technical Reviewer's Initial:

Spectrum Analytical holds certification in the State of New York for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of New York does not offer certification for all analytes.
Please note that this report contains 77 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supercedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report is available upon request. This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

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Please contact the Laboratory or Technical Director at 800-789-9115 with any questions regarding the data contained in this laboratory report.

CASE NARRATIVE:

The samples were received 5.8 degrees Celsius, please refer to the Chain of Custody for details specific to temperature upon receipt. An infrared thermometer with a tolerance of +/- 2.0 degrees Celsius was used immediately upon receipt of the samples.

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

SW846 1311

Samples:

SA89019-02 *RSB-C69*

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

TCLP Extraction

SA89019-04 *RSB-C67*

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

TCLP Extraction

SW846 1312/6010B

Duplicates:

9010193-DUP1 *Source: SA89146-05*

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

Chromium
Lead

SW846 6010B

Spikes:

8121547-MS1 *Source: SA89019-04*

The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte inherent in the sample.

Barium

8121547-MSD1 *Source: SA89019-04*

The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte inherent in the sample.

Barium

8121547-PS1 *Source: SA89019-04*

The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte inherent in the sample.

Barium

SW846 7471A

Duplicates:

8121548-DUP1 *Source: SA89019-03*

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

Mercury

SW846 8082

Samples:

SA89019-05 *RSB-C66*

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

Decachlorobiphenyl (Sr)

SW846 8151A

Laboratory Control Samples:

8121748-BSD1

The response for the confirmation column was out of acceptance limits. The primary column was used for all data. Samples were BDL.

2,4-DB [2C]

Samples:

S815343-CCV4

The response for the confirmation column was out of acceptance limits. The primary column was used for all data. Samples were BDL.

MCPA [2C]

S815382-CCV2

The response for the confirmation column was out of acceptance limits. The primary column was used for all data. Samples were BDL.

MCPA [2C]
MCPB [2C]

S815382-CCV4

The response for the confirmation column was out of acceptance limits. The primary column was used for all data. Samples were BDL.

MCPA [2C]
MCPB [2C]

S815382-CCV6

The response for the confirmation column was out of acceptance limits. The primary column was used for all data. Samples were BDL.

MCPA [2C]
MCPB [2C]

SW846 8260B

SW846 8260B

Laboratory Control Samples:

8121811-BS1

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

Tetrahydrofuran

8121811-BSD1

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

Tetrahydrofuran

8121855-BS1

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

Bromochloromethane

8121855-BSD1

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

Bromochloromethane

Analyte out of acceptance range.

Tetrahydrofuran

Spikes:

8121811-MS1 *Source: SA88941-01*

Analyte out of acceptance range.

Toluene

Samples:

SA89019-02 *RSB-C69*

Reporting limits reflect SW846 5030 extraction technique due to interference using SW846 5035A extraction technique.

SA89019-03 *RSB-C70*

The production of Acetone and other ketones is commonly seen when using the SW 846 5035A extraction technique.

Acetone

SW846 8270C

Blanks:

8121658-BLK1

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

2,4,6-Tribromophenol

SW846 8270C

Laboratory Control Samples:

8121658-BS1

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

Aniline
Hexachlorobenzene

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

2,4,6-Tribromophenol

Spikes:

8121658-MS1 *Source: SA89019-06*

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

2,4,6-Tribromophenol

8121658-MSD1 *Source: SA89019-06*

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

2,4,6-Tribromophenol

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

Pentachlorophenol

Duplicates:

8121658-DUP1 *Source: SA89019-06*

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

2,4,6-Tribromophenol

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

Benzo (a) anthracene
Benzo (a) pyrene
Benzo (b) fluoranthene
Benzo (k) fluoranthene
Chrysene
Fluoranthene
Phenanthrene
Pyrene

SW846 8270C

Samples:

SA89019-01 *RSB-C68*

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

2,4,6-Tribromophenol

SA89019-02 *RSB-C69*

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

2,4,6-Tribromophenol

SA89019-03 *RSB-C70*

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

2,4,6-Tribromophenol

SA89019-04 *RSB-C67*

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

2,4,6-Tribromophenol

SA89019-05 *RSB-C66*

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

2,4,6-Tribromophenol

SA89019-06 *RSB-C51*

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

2,4,6-Tribromophenol

SA89019-07 *RSB-C52*

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

2,4,6-Tribromophenol

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C68 SA89019-01	127-17797-08011	Soil	17-Dec-08 09:00	18-Dec-08

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	18-Dec-08	18-Dec-08	8121554	
Volatile Organic Compounds						Initial weight: 5.88 g					
Prepared by method SW846 5035A Soil (low level)											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	7.6	1	SW846 8260B	23-Dec-08	23-Dec-08	8121763	X
67-64-1	Acetone	BRL		µg/kg dry	76.1	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	7.6	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	7.6	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	7.6	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	7.6	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	15.2	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	76.1	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	38.0	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	7.6	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	15.2	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	7.6	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	15.2	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	15.2	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	7.6	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	7.6	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	7.6	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	15.2	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	7.6	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	7.6	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	7.6	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	7.6	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	7.6	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	76.1	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	7.6	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	76.1	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	76.1	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	7.6	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C68	127-17797-08011	Soil	17-Dec-08 09:00	18-Dec-08
SA89019-01				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
Volatile Organic Compounds											
Prepared by method SW846 5035A Soil (low level)					Initial weight: 5.88 g						
103-65-1	n-Propylbenzene	BRL		µg/kg dry	7.6	1	SW846 8260B	23-Dec-08	23-Dec-08	8121763	X
100-42-5	Styrene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	7.6	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	7.6	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	7.6	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	7.6	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	7.6	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	7.6	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	7.6	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	7.6	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	7.6	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	15.2	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	76.1	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	7.6	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	7.6	1	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	7.6	1	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	7.6	1	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	76.1	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	152	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	38.0	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	3040	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*86*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*91*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*114*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*101*		*70-130 %*			"	"	"	"	
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3545A											
83-32-9	Acenaphthene	BRL		µg/kg dry	445	1	SW846 8270C	22-Dec-08	22-Dec-08	8121658	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	445	1	"	"	"	"	X
62-53-3	Aniline	BRL		µg/kg dry	445	1	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	445	1	"	"	"	"	X
1912-24-9	Atrazine	BRL		µg/kg dry	445	1	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/kg dry	445	1	"	"	"	"	
92-87-5	Benzidine	BRL		µg/kg dry	445	1	"	"	"	"	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	445	1	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	445	1	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	445	1	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	445	1	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	445	1	"	"	"	"	X
65-85-0	Benzoic acid	BRL		µg/kg dry	445	1	"	"	"	"	X
100-51-6	Benzyl alcohol	BRL		µg/kg dry	445	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C68 SA89019-01	127-17797-08011	Soil	17-Dec-08 09:00	18-Dec-08

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3545A											
111-91-1	Bis(2-chloroethoxy)methane	BRL		µg/kg dry	445	1	SW846 8270C	22-Dec-08	22-Dec-08	8121658	X
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/kg dry	445	1	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	445	1	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	445	1	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/kg dry	445	1	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	BRL		µg/kg dry	445	1	"	"	"	"	X
86-74-8	Carbazole	BRL		µg/kg dry	445	1	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	BRL		µg/kg dry	445	1	"	"	"	"	X
106-47-8	4-Chloroaniline	BRL		µg/kg dry	445	1	"	"	"	"	X
91-58-7	2-Chloronaphthalene	BRL		µg/kg dry	445	1	"	"	"	"	X
95-57-8	2-Chlorophenol	BRL		µg/kg dry	445	1	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/kg dry	445	1	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	445	1	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	445	1	"	"	"	"	X
132-64-9	Dibenzofuran	BRL		µg/kg dry	445	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	445	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	445	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	445	1	"	"	"	"	X
91-94-1	3,3'-Dichlorobenzidine	BRL		µg/kg dry	445	1	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	BRL		µg/kg dry	445	1	"	"	"	"	X
84-66-2	Diethyl phthalate	BRL		µg/kg dry	445	1	"	"	"	"	X
131-11-3	Dimethyl phthalate	BRL		µg/kg dry	445	1	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	BRL		µg/kg dry	445	1	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	BRL		µg/kg dry	445	1	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	445	1	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	BRL		µg/kg dry	445	1	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	BRL		µg/kg dry	445	1	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	BRL		µg/kg dry	445	1	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	BRL		µg/kg dry	445	1	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	445	1	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	445	1	"	"	"	"	X
118-74-1	Hexachlorobenzene	BRL		µg/kg dry	445	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	445	1	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	BRL		µg/kg dry	445	1	"	"	"	"	X
67-72-1	Hexachloroethane	BRL		µg/kg dry	445	1	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	445	1	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	445	1	"	"	"	"	
78-59-1	Isophorone	BRL		µg/kg dry	445	1	"	"	"	"	X
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	445	1	"	"	"	"	X
95-48-7	2-Methylphenol	BRL		µg/kg dry	445	1	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	BRL		µg/kg dry	445	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	445	1	"	"	"	"	X
88-74-4	2-Nitroaniline	BRL		µg/kg dry	445	1	"	"	"	"	X
99-09-2	3-Nitroaniline	BRL		µg/kg dry	445	1	"	"	"	"	X
100-01-6	4-Nitroaniline	BRL		µg/kg dry	1780	1	"	"	"	"	X
98-95-3	Nitrobenzene	BRL		µg/kg dry	445	1	"	"	"	"	X
88-75-5	2-Nitrophenol	BRL		µg/kg dry	445	1	"	"	"	"	X
100-02-7	4-Nitrophenol	BRL		µg/kg dry	1780	1	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	BRL		µg/kg dry	445	1	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/kg dry	445	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C68 SA89019-01	127-17797-08011	Soil	17-Dec-08 09:00	18-Dec-08

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3545A											
86-30-6	N-Nitrosodiphenylamine	BRL		µg/kg dry	445	1	SW846 8270C	22-Dec-08	22-Dec-08	8121658	X
87-86-5	Pentachlorophenol	BRL		µg/kg dry	445	1	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	445	1	"	"	"	"	X
108-95-2	Phenol	BRL		µg/kg dry	445	1	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	445	1	"	"	"	"	X
110-86-1	Pyridine	BRL		µg/kg dry	445	1	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	445	1	"	"	"	"	X
95-95-4	2,4,5-Trichlorophenol	BRL		µg/kg dry	445	1	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	BRL		µg/kg dry	445	1	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	BRL		µg/kg dry	445	1	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	445	1	"	"	"	"	X
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*68*		*30-130 %*			"	"	"	"	
367-12-4	*2-Fluorophenol*	*68*		*15-110 %*			"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*62*		*30-130 %*			"	"	"	"	
4165-62-2	*Phenol-d5*	*64*		*15-110 %*			"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*103*		*30-130 %*			"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*4*	SGC	*15-110 %*			"	"	"	"	
Semivolatile Organic Compounds by GC											
Polychlorinated Biphenyls by SW846 8082											
Prepared by method SW846 3550B											
12674-11-2	PCB 1016	BRL		µg/kg dry	25.8	1	SW846 8082	22-Dec-08	24-Dec-08	8121661	X
11104-28-2	PCB 1221	BRL		µg/kg dry	25.8	1	"	"	"	"	X
11141-16-5	PCB 1232	BRL		µg/kg dry	25.8	1	"	"	"	"	X
53469-21-9	PCB 1242	BRL		µg/kg dry	25.8	1	"	"	"	"	X
12672-29-6	PCB 1248	BRL		µg/kg dry	25.8	1	"	"	"	"	X
11097-69-1	PCB 1254	BRL		µg/kg dry	25.8	1	"	"	"	"	X
11096-82-5	PCB 1260	BRL		µg/kg dry	25.8	1	"	"	"	"	X
37324-23-5	PCB 1262	BRL		µg/kg dry	25.8	1	"	"	"	"	X
11100-14-4	PCB 1268	BRL		µg/kg dry	25.8	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*90*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*110*		*30-150 %*			"	"	"	"	
Chlorinated Herbicides by SW846 8151A											
Prepared by method SW846 3550B											
93-76-5	2,4,5-T	BRL		µg/kg dry	6.70	1	SW846 8151A	20-Dec-08	23-Dec-08	8121652	X
93-72-1	2,4,5-TP (Silvex)	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-75-7	2,4-D	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-82-6	2,4-DB	BRL		µg/kg dry	6.70	1	"	"	"	"	X
75-99-0	Dalapon	BRL		µg/kg dry	6.70	1	"	"	"	"	X
1918-00-9	Dicamba	BRL		µg/kg dry	6.70	1	"	"	"	"	X
120-36-5	Dichlorprop	BRL		µg/kg dry	6.70	1	"	"	"	"	X
88-85-7	Dinoseb	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-74-6	MCPA	BRL		µg/kg dry	670	1	"	"	"	"	X
94-81-5	MCPB	BRL		µg/kg dry	670	1	"	"	"	"	
93-65-2	MCPP	BRL		µg/kg dry	670	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*106*		*30-150 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C68 SA89019-01	127-17797-08011	Soil	17-Dec-08 09:00	18-Dec-08

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3550B											
8006-61-9	Gasoline	BRL		mg/kg dry	17.9	1	+CT ETPH	22-Dec-08	23-Dec-08	8121660	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	17.9	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	17.9	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	17.9	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	17.9	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	17.9	1	"	"	"	"	
	Unidentified	81.9		mg/kg dry	17.9	1	"	"	"	"	
	Other Oil	Calculated as		mg/kg dry	17.9	1	"	"	"	"	
	Total Petroleum Hydrocarbons	81.9		mg/kg dry	17.9	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	81.9		mg/kg dry	17.9	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*87*		*50-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	BRL		mg/kg dry	1.73	1	SW846 6010B	26-Dec-08	29-Dec-08	8121547	X
7440-38-2	Arsenic	5.30		mg/kg dry	1.73	1	"	"	"	"	X
7440-39-3	Barium	111		mg/kg dry	1.15	1	"	"	"	"	X
7440-43-9	Cadmium	BRL		mg/kg dry	0.577	1	"	"	"	"	X
7440-47-3	Chromium	18.4		mg/kg dry	1.15	1	"	"	"	"	X
7439-97-6	Mercury	0.870		mg/kg dry	0.0381	1	SW846 7471A	"	30-Dec-08	8121548	X
7439-92-1	Lead	83.4		mg/kg dry	1.73	1	SW846 6010B	"	29-Dec-08	8121547	X
7782-49-2	Selenium	3.29		mg/kg dry	1.73	1	"	"	"	"	X
General Chemistry Parameters											
	% Solids	73.4		%		1	SM2540 G Mod.	18-Dec-08	18-Dec-08	8121546	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C69 SA89019-02	127-17797-08011	Soil	17-Dec-08 09:30	18-Dec-08

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	18-Dec-08	18-Dec-08	8121554	
Volatile Organic Compounds			VOC8								
Prepared by method SW846 5030 Soil (high level)						Initial weight: 15.84 g					
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	93.0	50	SW846 8260B	24-Dec-08	24-Dec-08	8121855	X
67-64-1	Acetone	BRL		µg/kg dry	930	50	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	93.0	50	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	93.0	50	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	93.0	50	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	93.0	50	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	93.0	50	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	93.0	50	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	186	50	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	930	50	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	93.0	50	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	93.0	50	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	93.0	50	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	465	50	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	93.0	50	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	93.0	50	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	186	50	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	93.0	50	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	186	50	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	93.0	50	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	93.0	50	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	186	50	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	93.0	50	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	93.0	50	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	93.0	50	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	93.0	50	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	93.0	50	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	93.0	50	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	186	50	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	93.0	50	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	93.0	50	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	93.0	50	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	93.0	50	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	93.0	50	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	93.0	50	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	93.0	50	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	93.0	50	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	93.0	50	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	93.0	50	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	93.0	50	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	93.0	50	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	93.0	50	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	930	50	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	93.0	50	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	93.0	50	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	93.0	50	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	930	50	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	930	50	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	93.0	50	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C69 SA89019-02	127-17797-08011	Soil	17-Dec-08 09:30	18-Dec-08

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
Volatile Organic Compounds			VOC8			Initial weight: 15.84 g					
Prepared by method SW846 5030 Soil (high level)											
103-65-1	n-Propylbenzene	BRL		µg/kg dry	93.0	50	SW846 8260B	24-Dec-08	24-Dec-08	8121855	X
100-42-5	Styrene	BRL		µg/kg dry	93.0	50	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	93.0	50	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	93.0	50	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	93.0	50	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	93.0	50	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	93.0	50	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	93.0	50	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	93.0	50	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	93.0	50	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	93.0	50	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	93.0	50	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	93.0	50	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	93.0	50	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	93.0	50	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	93.0	50	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	93.0	50	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	186	50	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	93.0	50	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	930	50	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	93.0	50	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	93.0	50	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	93.0	50	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	93.0	50	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	930	50	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	1860	50	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	465	50	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	37200	50	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*106*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*98*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*96*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*92*		*70-130 %*			"	"	"	"	
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3545A											
83-32-9	Acenaphthene	BRL		µg/kg dry	478	1	SW846 8270C	22-Dec-08	22-Dec-08	8121658	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	478	1	"	"	"	"	X
62-53-3	Aniline	BRL		µg/kg dry	478	1	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	478	1	"	"	"	"	X
1912-24-9	Atrazine	BRL		µg/kg dry	478	1	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/kg dry	478	1	"	"	"	"	
92-87-5	Benzidine	BRL		µg/kg dry	478	1	"	"	"	"	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	478	1	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	478	1	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	518		µg/kg dry	478	1	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	478	1	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	478	1	"	"	"	"	X
65-85-0	Benzoic acid	BRL		µg/kg dry	478	1	"	"	"	"	X
100-51-6	Benzyl alcohol	BRL		µg/kg dry	478	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C69	127-17797-08011	Soil	17-Dec-08 09:30	18-Dec-08
SA89019-02				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3545A											
111-91-1	Bis(2-chloroethoxy)methane	BRL		µg/kg dry	478	1	SW846 8270C	22-Dec-08	22-Dec-08	8121658	X
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/kg dry	478	1	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	478	1	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	478	1	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/kg dry	478	1	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	BRL		µg/kg dry	478	1	"	"	"	"	X
86-74-8	Carbazole	BRL		µg/kg dry	478	1	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	BRL		µg/kg dry	478	1	"	"	"	"	X
106-47-8	4-Chloroaniline	BRL		µg/kg dry	478	1	"	"	"	"	X
91-58-7	2-Chloronaphthalene	BRL		µg/kg dry	478	1	"	"	"	"	X
95-57-8	2-Chlorophenol	BRL		µg/kg dry	478	1	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/kg dry	478	1	"	"	"	"	X
218-01-9	Chrysene	562		µg/kg dry	478	1	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	478	1	"	"	"	"	X
132-64-9	Dibenzofuran	BRL		µg/kg dry	478	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	478	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	478	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	478	1	"	"	"	"	X
91-94-1	3,3'-Dichlorobenzidine	BRL		µg/kg dry	478	1	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	BRL		µg/kg dry	478	1	"	"	"	"	X
84-66-2	Diethyl phthalate	BRL		µg/kg dry	478	1	"	"	"	"	X
131-11-3	Dimethyl phthalate	BRL		µg/kg dry	478	1	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	BRL		µg/kg dry	478	1	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	BRL		µg/kg dry	478	1	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	478	1	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	BRL		µg/kg dry	478	1	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	BRL		µg/kg dry	478	1	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	BRL		µg/kg dry	478	1	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	BRL		µg/kg dry	478	1	"	"	"	"	X
206-44-0	Fluoranthene	783		µg/kg dry	478	1	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	478	1	"	"	"	"	X
118-74-1	Hexachlorobenzene	BRL		µg/kg dry	478	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	478	1	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	BRL		µg/kg dry	478	1	"	"	"	"	X
67-72-1	Hexachloroethane	BRL		µg/kg dry	478	1	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	478	1	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	478	1	"	"	"	"	
78-59-1	Isophorone	BRL		µg/kg dry	478	1	"	"	"	"	X
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	478	1	"	"	"	"	X
95-48-7	2-Methylphenol	BRL		µg/kg dry	478	1	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	BRL		µg/kg dry	478	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	478	1	"	"	"	"	X
88-74-4	2-Nitroaniline	BRL		µg/kg dry	478	1	"	"	"	"	X
99-09-2	3-Nitroaniline	BRL		µg/kg dry	478	1	"	"	"	"	X
100-01-6	4-Nitroaniline	BRL		µg/kg dry	1910	1	"	"	"	"	X
98-95-3	Nitrobenzene	BRL		µg/kg dry	478	1	"	"	"	"	X
88-75-5	2-Nitrophenol	BRL		µg/kg dry	478	1	"	"	"	"	X
100-02-7	4-Nitrophenol	BRL		µg/kg dry	1910	1	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	BRL		µg/kg dry	478	1	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/kg dry	478	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C69 SA89019-02	127-17797-08011	Soil	17-Dec-08 09:30	18-Dec-08

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3545A											
86-30-6	N-Nitrosodiphenylamine	BRL		µg/kg dry	478	1	SW846 8270C	22-Dec-08	22-Dec-08	8121658	X
87-86-5	Pentachlorophenol	BRL		µg/kg dry	478	1	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	478	1	"	"	"	"	X
108-95-2	Phenol	BRL		µg/kg dry	478	1	"	"	"	"	X
129-00-0	Pyrene	970		µg/kg dry	478	1	"	"	"	"	X
110-86-1	Pyridine	BRL		µg/kg dry	478	1	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	478	1	"	"	"	"	X
95-95-4	2,4,5-Trichlorophenol	BRL		µg/kg dry	478	1	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	BRL		µg/kg dry	478	1	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	BRL		µg/kg dry	478	1	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	478	1	"	"	"	"	X
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*74*		*30-130 %*			"	"	"	"	
367-12-4	*2-Fluorophenol*	*73*		*15-110 %*			"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*65*		*30-130 %*			"	"	"	"	
4165-62-2	*Phenol-d5*	*77*		*15-110 %*			"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*104*		*30-130 %*			"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*5*	SGC	*15-110 %*			"	"	"	"	
Semivolatile Organic Compounds by GC											
Polychlorinated Biphenyls by SW846 8082											
Prepared by method SW846 3550B											
12674-11-2	PCB 1016	BRL		µg/kg dry	29.2	1	SW846 8082	22-Dec-08	24-Dec-08	8121661	X
11104-28-2	PCB 1221	BRL		µg/kg dry	29.2	1	"	"	"	"	X
11141-16-5	PCB 1232	BRL		µg/kg dry	29.2	1	"	"	"	"	X
53469-21-9	PCB 1242	BRL		µg/kg dry	29.2	1	"	"	"	"	X
12672-29-6	PCB 1248	BRL		µg/kg dry	29.2	1	"	"	"	"	X
11097-69-1	PCB 1254	BRL		µg/kg dry	29.2	1	"	"	"	"	X
11096-82-5	PCB 1260	BRL		µg/kg dry	29.2	1	"	"	"	"	X
37324-23-5	PCB 1262	BRL		µg/kg dry	29.2	1	"	"	"	"	X
11100-14-4	PCB 1268	BRL		µg/kg dry	29.2	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*90*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*100*		*30-150 %*			"	"	"	"	
Chlorinated Herbicides by SW846 8151A											
Prepared by method SW846 3550B											
93-76-5	2,4,5-T	BRL		µg/kg dry	6.70	1	SW846 8151A	20-Dec-08	23-Dec-08	8121652	X
93-72-1	2,4,5-TP (Silvex)	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-75-7	2,4-D	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-82-6	2,4-DB	BRL		µg/kg dry	6.70	1	"	"	"	"	X
75-99-0	Dalapon	BRL		µg/kg dry	6.70	1	"	"	"	"	X
1918-00-9	Dicamba	BRL		µg/kg dry	6.70	1	"	"	"	"	X
120-36-5	Dichlorprop	BRL		µg/kg dry	6.70	1	"	"	"	"	X
88-85-7	Dinoseb	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-74-6	MCPA	BRL		µg/kg dry	670	1	"	"	"	"	X
94-81-5	MCPB	BRL		µg/kg dry	670	1	"	"	"	"	
93-65-2	MCPP	BRL		µg/kg dry	670	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*86*		*30-150 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C69 SA89019-02	127-17797-08011	Soil	17-Dec-08 09:30	18-Dec-08

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3550B											
8006-61-9	Gasoline	BRL		mg/kg dry	19.3	1	+CT ETPH	22-Dec-08	23-Dec-08	8121660	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	19.3	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	19.3	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	19.3	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	19.3	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	19.3	1	"	"	"	"	
	Unidentified	104		mg/kg dry	19.3	1	"	"	"	"	
	Other Oil	Calculated as		mg/kg dry	19.3	1	"	"	"	"	
	Total Petroleum Hydrocarbons	104		mg/kg dry	19.3	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	104		mg/kg dry	19.3	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*99*		*50-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	BRL		mg/kg dry	2.06	1	SW846 6010B	26-Dec-08	29-Dec-08	8121547	X
7440-38-2	Arsenic	18.8		mg/kg dry	2.06	1	"	"	"	"	X
7440-39-3	Barium	125		mg/kg dry	1.37	1	"	"	"	"	X
7440-43-9	Cadmium	1.10		mg/kg dry	0.687	1	"	"	"	"	X
7440-47-3	Chromium	12.2		mg/kg dry	1.37	1	"	"	"	"	X
7439-97-6	Mercury	0.458		mg/kg dry	0.0414	1	SW846 7471A	"	30-Dec-08	8121548	X
7439-92-1	Lead	232		mg/kg dry	2.06	1	SW846 6010B	"	29-Dec-08	8121547	X
7782-49-2	Selenium	2.52		mg/kg dry	2.06	1	"	"	"	"	X
TCLP Metals by EPA 1311 & 6000/7000 Series Methods											
	TCLP Extraction	Completed	O09	N/A		1	SW846 1311	04-Feb-09	04-Feb-09	9020341	X
7439-92-1	Lead	0.0325		mg/l	0.0075	1	SW846 1311/6010B	06-Feb-09	06-Feb-09	9020349	X
SPLP Metals by EPA 1312 & 6000/7000 Series Methods											
	SPLP Extraction	Completed		N/A		1	SW846 1312	05-Jan-09	05-Jan-09	9010165	
7440-38-2	Arsenic	BRL		mg/l	0.0080	1	SW846 1312/6010B	07-Jan-09	12-Jan-09	9010193	
7440-43-9	Cadmium	BRL		mg/l	0.0050	1	"	"	"	"	
7440-47-3	Chromium	BRL		mg/l	0.0100	1	"	"	"	"	
7439-97-6	Mercury	BRL		mg/l	0.00020	1	SW846 1312/7470A	"	08-Jan-09	9010194	
7439-92-1	Lead	BRL		mg/l	0.0150	1	SW846 1312/6010B	"	12-Jan-09	9010193	
General Chemistry Parameters											
	% Solids	68.1		%		1	SM2540 G Mod.	18-Dec-08	18-Dec-08	8121546	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C70 SA89019-03	127-17797-08011	Soil	17-Dec-08 10:00	18-Dec-08

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	18-Dec-08	18-Dec-08	8121554	
Volatile Organic Compounds						Initial weight: 5.26 g					
Prepared by method SW846 5035A Soil (low level)											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	6.6	1	SW846 8260B	23-Dec-08	23-Dec-08	8121763	X
67-64-1	Acetone	72.4	VOC6	µg/kg dry	66.4	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	6.6	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	6.6	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	6.6	1	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	6.6	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	6.6	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	6.6	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	13.3	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	66.4	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	6.6	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	6.6	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	6.6	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	33.2	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	6.6	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	6.6	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	13.3	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	6.6	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	13.3	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	6.6	1	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	6.6	1	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	13.3	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	6.6	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	6.6	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	6.6	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	6.6	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	6.6	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	6.6	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	13.3	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	6.6	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	6.6	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	6.6	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	6.6	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	6.6	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	6.6	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	6.6	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	6.6	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	6.6	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	6.6	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	6.6	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	6.6	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	6.6	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	66.4	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	6.6	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	6.6	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	6.6	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	66.4	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	66.4	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	6.6	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C70	127-17797-08011	Soil	17-Dec-08 10:00	18-Dec-08
SA89019-03				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
Volatile Organic Compounds											
Prepared by method SW846 5035A Soil (low level)						Initial weight: 5.26 g					
103-65-1	n-Propylbenzene	BRL		µg/kg dry	6.6	1	SW846 8260B	23-Dec-08	23-Dec-08	8121763	X
100-42-5	Styrene	BRL		µg/kg dry	6.6	1	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	6.6	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	6.6	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	6.6	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	6.6	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	6.6	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	6.6	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	6.6	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	6.6	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	6.6	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	6.6	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	6.6	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	6.6	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	6.6	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	6.6	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	6.6	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	13.3	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	6.6	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	66.4	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	6.6	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	6.6	1	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	6.6	1	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	6.6	1	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	66.4	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	133	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	33.2	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	2660	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*85*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*89*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*116*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*101*		*70-130 %*			"	"	"	"	
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3545A											
83-32-9	Acenaphthene	BRL		µg/kg dry	785	2	SW846 8270C	22-Dec-08	22-Dec-08	8121658	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	785	2	"	"	"	"	X
62-53-3	Aniline	BRL		µg/kg dry	785	2	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	785	2	"	"	"	"	X
1912-24-9	Atrazine	BRL		µg/kg dry	785	2	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/kg dry	785	2	"	"	"	"	
92-87-5	Benzidine	BRL		µg/kg dry	785	2	"	"	"	"	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	785	2	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	785	2	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	785	2	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	785	2	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	785	2	"	"	"	"	X
65-85-0	Benzoic acid	BRL		µg/kg dry	785	2	"	"	"	"	X
100-51-6	Benzyl alcohol	BRL		µg/kg dry	785	2	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C70 SA89019-03	127-17797-08011	Soil	17-Dec-08 10:00	18-Dec-08

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3545A											
111-91-1	Bis(2-chloroethoxy)methane	BRL		µg/kg dry	785	2	SW846 8270C	22-Dec-08	22-Dec-08	8121658	X
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/kg dry	785	2	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	785	2	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	785	2	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/kg dry	785	2	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	BRL		µg/kg dry	785	2	"	"	"	"	X
86-74-8	Carbazole	BRL		µg/kg dry	785	2	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	BRL		µg/kg dry	785	2	"	"	"	"	X
106-47-8	4-Chloroaniline	BRL		µg/kg dry	785	2	"	"	"	"	X
91-58-7	2-Chloronaphthalene	BRL		µg/kg dry	785	2	"	"	"	"	X
95-57-8	2-Chlorophenol	BRL		µg/kg dry	785	2	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/kg dry	785	2	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	785	2	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	785	2	"	"	"	"	X
132-64-9	Dibenzofuran	BRL		µg/kg dry	785	2	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	785	2	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	785	2	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	785	2	"	"	"	"	X
91-94-1	3,3'-Dichlorobenzidine	BRL		µg/kg dry	785	2	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	BRL		µg/kg dry	785	2	"	"	"	"	X
84-66-2	Diethyl phthalate	BRL		µg/kg dry	785	2	"	"	"	"	X
131-11-3	Dimethyl phthalate	BRL		µg/kg dry	785	2	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	BRL		µg/kg dry	785	2	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	BRL		µg/kg dry	785	2	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	785	2	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	BRL		µg/kg dry	785	2	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	BRL		µg/kg dry	785	2	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	BRL		µg/kg dry	785	2	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	BRL		µg/kg dry	785	2	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	785	2	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	785	2	"	"	"	"	X
118-74-1	Hexachlorobenzene	BRL		µg/kg dry	785	2	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	785	2	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	BRL		µg/kg dry	785	2	"	"	"	"	X
67-72-1	Hexachloroethane	BRL		µg/kg dry	785	2	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	785	2	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	785	2	"	"	"	"	
78-59-1	Isophorone	BRL		µg/kg dry	785	2	"	"	"	"	X
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	785	2	"	"	"	"	X
95-48-7	2-Methylphenol	BRL		µg/kg dry	785	2	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	BRL		µg/kg dry	785	2	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	785	2	"	"	"	"	X
88-74-4	2-Nitroaniline	BRL		µg/kg dry	785	2	"	"	"	"	X
99-09-2	3-Nitroaniline	BRL		µg/kg dry	785	2	"	"	"	"	X
100-01-6	4-Nitroaniline	BRL		µg/kg dry	3140	2	"	"	"	"	X
98-95-3	Nitrobenzene	BRL		µg/kg dry	785	2	"	"	"	"	X
88-75-5	2-Nitrophenol	BRL		µg/kg dry	785	2	"	"	"	"	X
100-02-7	4-Nitrophenol	BRL		µg/kg dry	3140	2	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	BRL		µg/kg dry	785	2	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/kg dry	785	2	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C67	127-17797-08011	Soil	17-Dec-08 11:30	18-Dec-08
SA89019-04				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	18-Dec-08	18-Dec-08	8121554	
Volatile Organic Compounds											
Prepared by method SW846 5035A Soil (low level)						Initial weight: 5.75 g					
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	7.2	1	SW846 8260B	23-Dec-08	23-Dec-08	8121763	X
67-64-1	Acetone	BRL		µg/kg dry	71.7	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	7.2	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	7.2	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	7.2	1	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	7.2	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	7.2	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	7.2	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	14.3	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	71.7	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	7.2	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	7.2	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	7.2	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	35.9	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	7.2	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	7.2	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	14.3	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	7.2	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	14.3	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	7.2	1	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	7.2	1	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	14.3	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	7.2	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	7.2	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	7.2	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	7.2	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	7.2	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	7.2	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	14.3	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	7.2	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	7.2	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	7.2	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	7.2	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	7.2	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	7.2	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	7.2	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	7.2	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	7.2	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	7.2	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	7.2	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	7.2	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	7.2	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	71.7	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	7.2	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	7.2	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	7.2	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	71.7	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	71.7	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	7.2	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C67 SA89019-04	127-17797-08011	Soil	17-Dec-08 11:30	18-Dec-08

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
Volatile Organic Compounds						Initial weight: 5.75 g					
Prepared by method SW846 5035A Soil (low level)											
103-65-1	n-Propylbenzene	BRL		µg/kg dry	7.2	1	SW846 8260B	23-Dec-08	23-Dec-08	8121763	X
100-42-5	Styrene	BRL		µg/kg dry	7.2	1	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	7.2	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	7.2	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	7.2	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	7.2	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	7.2	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	7.2	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	7.2	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	7.2	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	7.2	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	7.2	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	7.2	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	7.2	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	7.2	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	7.2	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	7.2	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	14.3	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	7.2	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	71.7	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	7.2	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	7.2	1	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	7.2	1	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	7.2	1	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	71.7	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	143	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	35.9	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	2870	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*84*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*91*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*119*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*103*		*70-130 %*			"	"	"	"	
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3545A											
83-32-9	Acenaphthene	BRL		µg/kg dry	429	1	SW846 8270C	22-Dec-08	22-Dec-08	8121658	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	429	1	"	"	"	"	X
62-53-3	Aniline	BRL		µg/kg dry	429	1	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	429	1	"	"	"	"	X
1912-24-9	Atrazine	BRL		µg/kg dry	429	1	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/kg dry	429	1	"	"	"	"	
92-87-5	Benzidine	BRL		µg/kg dry	429	1	"	"	"	"	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	429	1	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	429	1	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	429	1	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	429	1	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	429	1	"	"	"	"	X
65-85-0	Benzoic acid	BRL		µg/kg dry	429	1	"	"	"	"	X
100-51-6	Benzyl alcohol	BRL		µg/kg dry	429	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C67 SA89019-04	127-17797-08011	Soil	17-Dec-08 11:30	18-Dec-08

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3545A											
111-91-1	Bis(2-chloroethoxy)methane	BRL		µg/kg dry	429	1	SW846 8270C	22-Dec-08	22-Dec-08	8121658	X
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/kg dry	429	1	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	429	1	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	429	1	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/kg dry	429	1	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	BRL		µg/kg dry	429	1	"	"	"	"	X
86-74-8	Carbazole	BRL		µg/kg dry	429	1	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	BRL		µg/kg dry	429	1	"	"	"	"	X
106-47-8	4-Chloroaniline	BRL		µg/kg dry	429	1	"	"	"	"	X
91-58-7	2-Chloronaphthalene	BRL		µg/kg dry	429	1	"	"	"	"	X
95-57-8	2-Chlorophenol	BRL		µg/kg dry	429	1	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/kg dry	429	1	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	429	1	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	429	1	"	"	"	"	X
132-64-9	Dibenzofuran	BRL		µg/kg dry	429	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	429	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	429	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	429	1	"	"	"	"	X
91-94-1	3,3'-Dichlorobenzidine	BRL		µg/kg dry	429	1	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	BRL		µg/kg dry	429	1	"	"	"	"	X
84-66-2	Diethyl phthalate	BRL		µg/kg dry	429	1	"	"	"	"	X
131-11-3	Dimethyl phthalate	BRL		µg/kg dry	429	1	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	BRL		µg/kg dry	429	1	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	BRL		µg/kg dry	429	1	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	429	1	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	BRL		µg/kg dry	429	1	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	BRL		µg/kg dry	429	1	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	BRL		µg/kg dry	429	1	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	BRL		µg/kg dry	429	1	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	429	1	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	429	1	"	"	"	"	X
118-74-1	Hexachlorobenzene	BRL		µg/kg dry	429	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	429	1	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	BRL		µg/kg dry	429	1	"	"	"	"	X
67-72-1	Hexachloroethane	BRL		µg/kg dry	429	1	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	429	1	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	429	1	"	"	"	"	
78-59-1	Isophorone	BRL		µg/kg dry	429	1	"	"	"	"	X
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	429	1	"	"	"	"	X
95-48-7	2-Methylphenol	BRL		µg/kg dry	429	1	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	BRL		µg/kg dry	429	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	429	1	"	"	"	"	X
88-74-4	2-Nitroaniline	BRL		µg/kg dry	429	1	"	"	"	"	X
99-09-2	3-Nitroaniline	BRL		µg/kg dry	429	1	"	"	"	"	X
100-01-6	4-Nitroaniline	BRL		µg/kg dry	1710	1	"	"	"	"	X
98-95-3	Nitrobenzene	BRL		µg/kg dry	429	1	"	"	"	"	X
88-75-5	2-Nitrophenol	BRL		µg/kg dry	429	1	"	"	"	"	X
100-02-7	4-Nitrophenol	BRL		µg/kg dry	1710	1	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	BRL		µg/kg dry	429	1	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/kg dry	429	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C67 SA89019-04	127-17797-08011	Soil	17-Dec-08 11:30	18-Dec-08

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3545A											
86-30-6	N-Nitrosodiphenylamine	BRL		µg/kg dry	429	1	SW846 8270C	22-Dec-08	22-Dec-08	8121658	X
87-86-5	Pentachlorophenol	BRL		µg/kg dry	429	1	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	429	1	"	"	"	"	X
108-95-2	Phenol	BRL		µg/kg dry	429	1	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	429	1	"	"	"	"	X
110-86-1	Pyridine	BRL		µg/kg dry	429	1	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	429	1	"	"	"	"	X
95-95-4	2,4,5-Trichlorophenol	BRL		µg/kg dry	429	1	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	BRL		µg/kg dry	429	1	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	BRL		µg/kg dry	429	1	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	429	1	"	"	"	"	X
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*76*		*30-130 %*			"	"	"	"	
367-12-4	*2-Fluorophenol*	*74*		*15-110 %*			"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*66*		*30-130 %*			"	"	"	"	
4165-62-2	*Phenol-d5*	*81*		*15-110 %*			"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*106*		*30-130 %*			"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*5*	SGC	*15-110 %*			"	"	"	"	
Semivolatile Organic Compounds by GC											
Polychlorinated Biphenyls by SW846 8082											
Prepared by method SW846 3550B											
12674-11-2	PCB 1016	BRL		µg/kg dry	25.6	1	SW846 8082	22-Dec-08	24-Dec-08	8121661	X
11104-28-2	PCB 1221	BRL		µg/kg dry	25.6	1	"	"	"	"	X
11141-16-5	PCB 1232	BRL		µg/kg dry	25.6	1	"	"	"	"	X
53469-21-9	PCB 1242	BRL		µg/kg dry	25.6	1	"	"	"	"	X
12672-29-6	PCB 1248	BRL		µg/kg dry	25.6	1	"	"	"	"	X
11097-69-1	PCB 1254	BRL		µg/kg dry	25.6	1	"	"	"	"	X
11096-82-5	PCB 1260	BRL		µg/kg dry	25.6	1	"	"	"	"	X
37324-23-5	PCB 1262	BRL		µg/kg dry	25.6	1	"	"	"	"	X
11100-14-4	PCB 1268	BRL		µg/kg dry	25.6	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*90*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*110*		*30-150 %*			"	"	"	"	
Chlorinated Herbicides by SW846 8151A											
Prepared by method SW846 3550B											
93-76-5	2,4,5-T	BRL		µg/kg dry	6.70	1	SW846 8151A	20-Dec-08	23-Dec-08	8121652	X
93-72-1	2,4,5-TP (Silvex)	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-75-7	2,4-D	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-82-6	2,4-DB	BRL		µg/kg dry	6.70	1	"	"	"	"	X
75-99-0	Dalapon	BRL		µg/kg dry	6.70	1	"	"	"	"	X
1918-00-9	Dicamba	BRL		µg/kg dry	6.70	1	"	"	"	"	X
120-36-5	Dichlorprop	BRL		µg/kg dry	6.70	1	"	"	"	"	X
88-85-7	Dinoseb	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-74-6	MCPA	BRL		µg/kg dry	670	1	"	"	"	"	X
94-81-5	MCPB	BRL		µg/kg dry	670	1	"	"	"	"	
93-65-2	MCPP	BRL		µg/kg dry	670	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*82*		*30-150 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C67 SA89019-04	127-17797-08011	Soil	17-Dec-08 11:30	18-Dec-08

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3550B											
8006-61-9	Gasoline	BRL		mg/kg dry	17.3	1	+CT ETPH	22-Dec-08	23-Dec-08	8121660	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	17.3	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	17.3	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	17.3	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	17.3	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	17.3	1	"	"	"	"	
	Unidentified	62.7		mg/kg dry	17.3	1	"	"	"	"	
	Other Oil	Calculated as		mg/kg dry	17.3	1	"	"	"	"	
	Total Petroleum Hydrocarbons	62.7		mg/kg dry	17.3	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	62.7		mg/kg dry	17.3	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*95*		*50-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	BRL		mg/kg dry	1.86	1	SW846 6010B	26-Dec-08	29-Dec-08	8121547	X
7440-38-2	Arsenic	3.19		mg/kg dry	1.86	1	"	"	"	"	X
7440-39-3	Barium	2,780		mg/kg dry	1.24	1	"	"	"	"	X
7440-43-9	Cadmium	BRL		mg/kg dry	0.621	1	"	"	"	"	X
7440-47-3	Chromium	17.3		mg/kg dry	1.24	1	"	"	"	"	X
7439-97-6	Mercury	BRL		mg/kg dry	0.0383	1	SW846 7471A	"	30-Dec-08	8121548	X
7439-92-1	Lead	44.6		mg/kg dry	1.86	1	SW846 6010B	"	29-Dec-08	8121547	X
7782-49-2	Selenium	4.13		mg/kg dry	1.86	1	"	"	"	"	X
TCLP Metals by EPA 1311 & 6000/7000 Series Methods											
	TCLP Extraction	Completed	O09	N/A		1	SW846 1311	04-Feb-09	04-Feb-09	9020341	X
7440-39-3	Barium	2.19		mg/l	0.0050	1	SW846 1311/6010B	06-Feb-09	06-Feb-09	9020349	X
General Chemistry Parameters											
	% Solids	76.8		%		1	SM2540 G Mod.	18-Dec-08	18-Dec-08	8121546	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C66 SA89019-05	127-17797-08011	Soil	17-Dec-08 12:00	18-Dec-08

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	18-Dec-08	18-Dec-08	8121554	
Volatile Organic Compounds						Initial weight: 15.99 g					
Prepared by method SW846 5030 Soil (high level)											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	77.7	50	SW846 8260B	23-Dec-08	24-Dec-08	8121811	X
67-64-1	Acetone	BRL		µg/kg dry	777	50	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	77.7	50	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	77.7	50	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	77.7	50	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	77.7	50	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	77.7	50	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	77.7	50	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	155	50	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	777	50	"	"	"	"	X
104-51-8	n-Butylbenzene	339		µg/kg dry	77.7	50	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	77.7	50	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	77.7	50	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	389	50	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	77.7	50	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	77.7	50	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	155	50	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	77.7	50	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	155	50	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	77.7	50	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	77.7	50	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	155	50	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	77.7	50	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	77.7	50	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	77.7	50	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	77.7	50	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	77.7	50	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	77.7	50	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	155	50	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	77.7	50	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	77.7	50	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	77.7	50	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	77.7	50	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	77.7	50	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	77.7	50	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	77.7	50	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	77.7	50	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	77.7	50	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	77.7	50	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	77.7	50	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	77.7	50	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	77.7	50	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	777	50	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	77.7	50	"	"	"	"	X
99-87-6	4-Isopropyltoluene	253		µg/kg dry	77.7	50	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	77.7	50	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	777	50	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	777	50	"	"	"	"	X
91-20-3	Naphthalene	1,620		µg/kg dry	77.7	50	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C66	127-17797-08011	Soil	17-Dec-08 12:00	18-Dec-08
SA89019-05				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
Volatile Organic Compounds											
Prepared by method SW846 5030 Soil (high level)					Initial weight: 15.99 g						
103-65-1	n-Propylbenzene	95.6		µg/kg dry	77.7	50	SW846 8260B	23-Dec-08	24-Dec-08	8121811	X
100-42-5	Styrene	BRL		µg/kg dry	77.7	50	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	77.7	50	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	77.7	50	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	77.7	50	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	77.7	50	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	77.7	50	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	77.7	50	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	77.7	50	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	77.7	50	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	77.7	50	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	77.7	50	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	77.7	50	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	77.7	50	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	587		µg/kg dry	77.7	50	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	222		µg/kg dry	77.7	50	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	77.7	50	"	"	"	"	X
179601-23-1	m,p-Xylene	213		µg/kg dry	155	50	"	"	"	"	X
95-47-6	o-Xylene	96.4		µg/kg dry	77.7	50	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	777	50	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	77.7	50	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	77.7	50	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	77.7	50	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	77.7	50	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	777	50	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	1550	50	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	389	50	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	31100	50	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*107*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*99*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*112*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*106*		*70-130 %*			"	"	"	"	
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3545A											
83-32-9	Acenaphthene	521		µg/kg dry	508	1	SW846 8270C	22-Dec-08	22-Dec-08	8121658	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	508	1	"	"	"	"	X
62-53-3	Aniline	BRL		µg/kg dry	508	1	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	508	1	"	"	"	"	X
1912-24-9	Atrazine	BRL		µg/kg dry	508	1	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/kg dry	508	1	"	"	"	"	
92-87-5	Benzidine	BRL		µg/kg dry	508	1	"	"	"	"	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	508	1	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	508	1	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	508	1	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	508	1	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	508	1	"	"	"	"	X
65-85-0	Benzoic acid	BRL		µg/kg dry	508	1	"	"	"	"	X
100-51-6	Benzyl alcohol	BRL		µg/kg dry	508	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C66 SA89019-05	127-17797-08011	Soil	17-Dec-08 12:00	18-Dec-08

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3545A											
111-91-1	Bis(2-chloroethoxy)methane	BRL		µg/kg dry	508	1	SW846 8270C	22-Dec-08	22-Dec-08	8121658	X
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/kg dry	508	1	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	508	1	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	508	1	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/kg dry	508	1	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	BRL		µg/kg dry	508	1	"	"	"	"	X
86-74-8	Carbazole	BRL		µg/kg dry	508	1	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	BRL		µg/kg dry	508	1	"	"	"	"	X
106-47-8	4-Chloroaniline	BRL		µg/kg dry	508	1	"	"	"	"	X
91-58-7	2-Chloronaphthalene	BRL		µg/kg dry	508	1	"	"	"	"	X
95-57-8	2-Chlorophenol	BRL		µg/kg dry	508	1	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/kg dry	508	1	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	508	1	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	508	1	"	"	"	"	X
132-64-9	Dibenzofuran	BRL		µg/kg dry	508	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	508	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	508	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	508	1	"	"	"	"	X
91-94-1	3,3'-Dichlorobenzidine	BRL		µg/kg dry	508	1	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	BRL		µg/kg dry	508	1	"	"	"	"	X
84-66-2	Diethyl phthalate	BRL		µg/kg dry	508	1	"	"	"	"	X
131-11-3	Dimethyl phthalate	BRL		µg/kg dry	508	1	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	BRL		µg/kg dry	508	1	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	BRL		µg/kg dry	508	1	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	508	1	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	BRL		µg/kg dry	508	1	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	BRL		µg/kg dry	508	1	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	BRL		µg/kg dry	508	1	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	BRL		µg/kg dry	508	1	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	508	1	"	"	"	"	X
86-73-7	Fluorene	777		µg/kg dry	508	1	"	"	"	"	X
118-74-1	Hexachlorobenzene	BRL		µg/kg dry	508	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	508	1	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	BRL		µg/kg dry	508	1	"	"	"	"	X
67-72-1	Hexachloroethane	BRL		µg/kg dry	508	1	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	508	1	"	"	"	"	X
90-12-0	1-Methylnaphthalene	4,660		µg/kg dry	508	1	"	"	"	"	
78-59-1	Isophorone	BRL		µg/kg dry	508	1	"	"	"	"	X
91-57-6	2-Methylnaphthalene	2,400		µg/kg dry	508	1	"	"	"	"	X
95-48-7	2-Methylphenol	BRL		µg/kg dry	508	1	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	BRL		µg/kg dry	508	1	"	"	"	"	X
91-20-3	Naphthalene	626		µg/kg dry	508	1	"	"	"	"	X
88-74-4	2-Nitroaniline	BRL		µg/kg dry	508	1	"	"	"	"	X
99-09-2	3-Nitroaniline	BRL		µg/kg dry	508	1	"	"	"	"	X
100-01-6	4-Nitroaniline	BRL		µg/kg dry	2030	1	"	"	"	"	X
98-95-3	Nitrobenzene	BRL		µg/kg dry	508	1	"	"	"	"	X
88-75-5	2-Nitrophenol	BRL		µg/kg dry	508	1	"	"	"	"	X
100-02-7	4-Nitrophenol	BRL		µg/kg dry	2030	1	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	BRL		µg/kg dry	508	1	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/kg dry	508	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C66 SA89019-05	127-17797-08011	Soil	17-Dec-08 12:00	18-Dec-08

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3545A											
86-30-6	N-Nitrosodiphenylamine	BRL		µg/kg dry	508	1	SW846 8270C	22-Dec-08	22-Dec-08	8121658	X
87-86-5	Pentachlorophenol	BRL		µg/kg dry	508	1	"	"	"	"	X
85-01-8	Phenanthrene	1,090		µg/kg dry	508	1	"	"	"	"	X
108-95-2	Phenol	BRL		µg/kg dry	508	1	"	"	"	"	X
129-00-0	Pyrene	609		µg/kg dry	508	1	"	"	"	"	X
110-86-1	Pyridine	BRL		µg/kg dry	508	1	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	508	1	"	"	"	"	X
95-95-4	2,4,5-Trichlorophenol	BRL		µg/kg dry	508	1	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	BRL		µg/kg dry	508	1	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	BRL		µg/kg dry	508	1	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	508	1	"	"	"	"	X
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*84*		*30-130 %*			"	"	"	"	
367-12-4	*2-Fluorophenol*	*88*		*15-110 %*			"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*75*		*30-130 %*			"	"	"	"	
4165-62-2	*Phenol-d5*	*84*		*15-110 %*			"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*116*		*30-130 %*			"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*8*	SGC	*15-110 %*			"	"	"	"	
Semivolatile Organic Compounds by GC											
Polychlorinated Biphenyls by SW846 8082											
Prepared by method SW846 3550B											
12674-11-2	PCB 1016	BRL		µg/kg dry	25.8	1	SW846 8082	22-Dec-08	24-Dec-08	8121661	X
11104-28-2	PCB 1221	BRL		µg/kg dry	25.8	1	"	"	"	"	X
11141-16-5	PCB 1232	BRL		µg/kg dry	25.8	1	"	"	"	"	X
53469-21-9	PCB 1242	BRL		µg/kg dry	25.8	1	"	"	"	"	X
12672-29-6	PCB 1248	BRL		µg/kg dry	25.8	1	"	"	"	"	X
11097-69-1	PCB 1254	BRL		µg/kg dry	25.8	1	"	"	"	"	X
11096-82-5	PCB 1260	BRL		µg/kg dry	25.8	1	"	"	"	"	X
37324-23-5	PCB 1262	BRL		µg/kg dry	25.8	1	"	"	"	"	X
11100-14-4	PCB 1268	BRL		µg/kg dry	25.8	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*120*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*165*	SGC	*30-150 %*			"	"	"	"	
Chlorinated Herbicides by SW846 8151A											
Prepared by method SW846 3550B											
93-76-5	2,4,5-T	BRL		µg/kg dry	6.70	1	SW846 8151A	20-Dec-08	23-Dec-08	8121652	X
93-72-1	2,4,5-TP (Silvex)	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-75-7	2,4-D	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-82-6	2,4-DB	BRL		µg/kg dry	6.70	1	"	"	"	"	X
75-99-0	Dalapon	BRL		µg/kg dry	6.70	1	"	"	"	"	X
1918-00-9	Dicamba	BRL		µg/kg dry	6.70	1	"	"	"	"	X
120-36-5	Dichlorprop	BRL		µg/kg dry	6.70	1	"	"	"	"	X
88-85-7	Dinoseb	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-74-6	MCPA	BRL		µg/kg dry	670	1	"	"	"	"	X
94-81-5	MCPB	BRL		µg/kg dry	670	1	"	"	"	"	
93-65-2	MCPP	BRL		µg/kg dry	670	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*75*		*30-150 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C66 SA89019-05	127-17797-08011	Soil	17-Dec-08 12:00	18-Dec-08

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3550B											
8006-61-9	Gasoline	BRL		mg/kg dry	20.5	1	+CT ETPH	22-Dec-08	23-Dec-08	8121660	
68476-30-2	Fuel Oil #2	Calculated as		mg/kg dry	20.5	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	20.5	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	20.5	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	20.5	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	20.5	1	"	"	"	"	
	Unidentified	751		mg/kg dry	20.5	1	"	"	"	"	
	Other Oil	BRL		mg/kg dry	20.5	1	"	"	"	"	
	Total Petroleum Hydrocarbons	751		mg/kg dry	20.5	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	751		mg/kg dry	20.5	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*112*		*50-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	BRL		mg/kg dry	1.82	1	SW846 6010B	26-Dec-08	29-Dec-08	8121547	X
7440-38-2	Arsenic	3.72		mg/kg dry	1.82	1	"	"	"	"	X
7440-39-3	Barium	74.3		mg/kg dry	1.21	1	"	"	"	"	X
7440-43-9	Cadmium	BRL		mg/kg dry	0.606	1	"	"	"	"	X
7440-47-3	Chromium	13.3		mg/kg dry	1.21	1	"	"	"	"	X
7439-97-6	Mercury	0.0654		mg/kg dry	0.0378	1	SW846 7471A	"	30-Dec-08	8121548	X
7439-92-1	Lead	36.4		mg/kg dry	1.82	1	SW846 6010B	"	29-Dec-08	8121547	X
7782-49-2	Selenium	2.68		mg/kg dry	1.82	1	"	"	"	"	X
General Chemistry Parameters											
	% Solids	75.9		%		1	SM2540 G Mod.	18-Dec-08	18-Dec-08	8121546	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C51 SA89019-06	127-17797-08011	Soil	17-Dec-08 13:35	18-Dec-08

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	18-Dec-08	18-Dec-08	8121554	
Volatile Organic Compounds						Initial weight: 5.59 g					
Prepared by method SW846 5035A Soil (low level)											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	8.2	1	SW846 8260B	23-Dec-08	23-Dec-08	8121763	X
67-64-1	Acetone	BRL		µg/kg dry	81.9	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	8.2	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	8.2	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	8.2	1	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	8.2	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	8.2	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	8.2	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	16.4	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	81.9	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	8.2	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	8.2	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	8.2	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	40.9	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	8.2	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	8.2	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	16.4	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	8.2	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	16.4	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	8.2	1	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	8.2	1	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	16.4	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	8.2	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	8.2	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	8.2	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	8.2	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	8.2	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	8.2	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	16.4	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	8.2	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	8.2	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	8.2	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	8.2	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	8.2	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	8.2	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	8.2	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	8.2	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	8.2	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	8.2	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	8.2	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	8.2	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	8.2	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	81.9	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	8.2	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	8.2	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	8.2	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	81.9	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	81.9	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	8.2	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C51 SA89019-06	127-17797-08011	Soil	17-Dec-08 13:35	18-Dec-08

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
Volatile Organic Compounds						Initial weight: 5.59 g					
Prepared by method SW846 5035A Soil (low level)											
103-65-1	n-Propylbenzene	BRL		µg/kg dry	8.2	1	SW846 8260B	23-Dec-08	23-Dec-08	8121763	X
100-42-5	Styrene	BRL		µg/kg dry	8.2	1	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	8.2	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	8.2	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	8.2	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	8.2	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	8.2	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	8.2	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	8.2	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	8.2	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	8.2	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	8.2	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	8.2	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	8.2	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	8.2	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	8.2	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	8.2	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	16.4	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	8.2	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	81.9	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	8.2	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	8.2	1	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	8.2	1	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	8.2	1	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	81.9	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	164	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	40.9	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	3270	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*92*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*92*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*118*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*103*		*70-130 %*			"	"	"	"	
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3545A											
83-32-9	Acenaphthene	BRL		µg/kg dry	452	1	SW846 8270C	22-Dec-08	22-Dec-08	8121658	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	452	1	"	"	"	"	X
62-53-3	Aniline	BRL		µg/kg dry	452	1	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	452	1	"	"	"	"	X
1912-24-9	Atrazine	BRL		µg/kg dry	452	1	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/kg dry	452	1	"	"	"	"	
92-87-5	Benzidine	BRL		µg/kg dry	452	1	"	"	"	"	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	452	1	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	452	1	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	452	1	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	452	1	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	452	1	"	"	"	"	X
65-85-0	Benzoic acid	BRL		µg/kg dry	452	1	"	"	"	"	X
100-51-6	Benzyl alcohol	BRL		µg/kg dry	452	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C51 SA89019-06	127-17797-08011	Soil	17-Dec-08 13:35	18-Dec-08

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3545A											
111-91-1	Bis(2-chloroethoxy)methane	BRL		µg/kg dry	452	1	SW846 8270C	22-Dec-08	22-Dec-08	8121658	X
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/kg dry	452	1	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	452	1	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	452	1	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/kg dry	452	1	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	BRL		µg/kg dry	452	1	"	"	"	"	X
86-74-8	Carbazole	BRL		µg/kg dry	452	1	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	BRL		µg/kg dry	452	1	"	"	"	"	X
106-47-8	4-Chloroaniline	BRL		µg/kg dry	452	1	"	"	"	"	X
91-58-7	2-Chloronaphthalene	BRL		µg/kg dry	452	1	"	"	"	"	X
95-57-8	2-Chlorophenol	BRL		µg/kg dry	452	1	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/kg dry	452	1	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	452	1	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	452	1	"	"	"	"	X
132-64-9	Dibenzofuran	BRL		µg/kg dry	452	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	452	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	452	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	452	1	"	"	"	"	X
91-94-1	3,3'-Dichlorobenzidine	BRL		µg/kg dry	452	1	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	BRL		µg/kg dry	452	1	"	"	"	"	X
84-66-2	Diethyl phthalate	BRL		µg/kg dry	452	1	"	"	"	"	X
131-11-3	Dimethyl phthalate	BRL		µg/kg dry	452	1	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	BRL		µg/kg dry	452	1	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	BRL		µg/kg dry	452	1	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	452	1	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	BRL		µg/kg dry	452	1	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	BRL		µg/kg dry	452	1	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	BRL		µg/kg dry	452	1	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	BRL		µg/kg dry	452	1	"	"	"	"	X
206-44-0	Fluoranthene	591		µg/kg dry	452	1	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	452	1	"	"	"	"	X
118-74-1	Hexachlorobenzene	BRL		µg/kg dry	452	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	452	1	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	BRL		µg/kg dry	452	1	"	"	"	"	X
67-72-1	Hexachloroethane	BRL		µg/kg dry	452	1	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	452	1	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	452	1	"	"	"	"	
78-59-1	Isophorone	BRL		µg/kg dry	452	1	"	"	"	"	X
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	452	1	"	"	"	"	X
95-48-7	2-Methylphenol	BRL		µg/kg dry	452	1	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	BRL		µg/kg dry	452	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	452	1	"	"	"	"	X
88-74-4	2-Nitroaniline	BRL		µg/kg dry	452	1	"	"	"	"	X
99-09-2	3-Nitroaniline	BRL		µg/kg dry	452	1	"	"	"	"	X
100-01-6	4-Nitroaniline	BRL		µg/kg dry	1810	1	"	"	"	"	X
98-95-3	Nitrobenzene	BRL		µg/kg dry	452	1	"	"	"	"	X
88-75-5	2-Nitrophenol	BRL		µg/kg dry	452	1	"	"	"	"	X
100-02-7	4-Nitrophenol	BRL		µg/kg dry	1810	1	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	BRL		µg/kg dry	452	1	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/kg dry	452	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C51 SA89019-06	127-17797-08011	Soil	17-Dec-08 13:35	18-Dec-08

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3545A											
86-30-6	N-Nitrosodiphenylamine	BRL		µg/kg dry	452	1	SW846 8270C	22-Dec-08	22-Dec-08	8121658	X
87-86-5	Pentachlorophenol	BRL		µg/kg dry	452	1	"	"	"	"	X
85-01-8	Phenanthrene	501		µg/kg dry	452	1	"	"	"	"	X
108-95-2	Phenol	BRL		µg/kg dry	452	1	"	"	"	"	X
129-00-0	Pyrene	524		µg/kg dry	452	1	"	"	"	"	X
110-86-1	Pyridine	BRL		µg/kg dry	452	1	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	452	1	"	"	"	"	X
95-95-4	2,4,5-Trichlorophenol	BRL		µg/kg dry	452	1	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	BRL		µg/kg dry	452	1	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	BRL		µg/kg dry	452	1	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	452	1	"	"	"	"	X
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*92*		*30-130 %*			"	"	"	"	
367-12-4	*2-Fluorophenol*	*97*		*15-110 %*			"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*83*		*30-130 %*			"	"	"	"	
4165-62-2	*Phenol-d5*	*100*		*15-110 %*			"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*96*		*30-130 %*			"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*6*	SGC	*15-110 %*			"	"	"	"	
Semivolatile Organic Compounds by GC											
Polychlorinated Biphenyls by SW846 8082											
Prepared by method SW846 3550B											
12674-11-2	PCB 1016	BRL		µg/kg dry	27.6	1	SW846 8082	22-Dec-08	24-Dec-08	8121661	X
11104-28-2	PCB 1221	BRL		µg/kg dry	27.6	1	"	"	"	"	X
11141-16-5	PCB 1232	BRL		µg/kg dry	27.6	1	"	"	"	"	X
53469-21-9	PCB 1242	BRL		µg/kg dry	27.6	1	"	"	"	"	X
12672-29-6	PCB 1248	BRL		µg/kg dry	27.6	1	"	"	"	"	X
11097-69-1	PCB 1254	BRL		µg/kg dry	27.6	1	"	"	"	"	X
11096-82-5	PCB 1260	BRL		µg/kg dry	27.6	1	"	"	"	"	X
37324-23-5	PCB 1262	BRL		µg/kg dry	27.6	1	"	"	"	"	X
11100-14-4	PCB 1268	BRL		µg/kg dry	27.6	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*95*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*125*		*30-150 %*			"	"	"	"	
Chlorinated Herbicides by SW846 8151A											
Prepared by method SW846 3550B											
93-76-5	2,4,5-T	BRL		µg/kg dry	6.70	1	SW846 8151A	20-Dec-08	23-Dec-08	8121652	X
93-72-1	2,4,5-TP (Silvex)	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-75-7	2,4-D	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-82-6	2,4-DB	BRL		µg/kg dry	6.70	1	"	"	"	"	X
75-99-0	Dalapon	BRL		µg/kg dry	6.70	1	"	"	"	"	X
1918-00-9	Dicamba	BRL		µg/kg dry	6.70	1	"	"	"	"	X
120-36-5	Dichlorprop	BRL		µg/kg dry	6.70	1	"	"	"	"	X
88-85-7	Dinoseb	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-74-6	MCPA	BRL		µg/kg dry	670	1	"	"	"	"	X
94-81-5	MCPB	BRL		µg/kg dry	670	1	"	"	"	"	
93-65-2	MCPP	BRL		µg/kg dry	670	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*71*		*30-150 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C51 SA89019-06	127-17797-08011	Soil	17-Dec-08 13:35	18-Dec-08

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3550B											
8006-61-9	Gasoline	BRL		mg/kg dry	18.2	1	+CT ETPH	22-Dec-08	23-Dec-08	8121660	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	18.2	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	18.2	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	18.2	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	18.2	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	18.2	1	"	"	"	"	
	Unidentified	61.6		mg/kg dry	18.2	1	"	"	"	"	
	Other Oil	Calculated as		mg/kg dry	18.2	1	"	"	"	"	
	Total Petroleum Hydrocarbons	61.6		mg/kg dry	18.2	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	61.6		mg/kg dry	18.2	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*101*		*50-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	BRL		mg/kg dry	1.84	1	SW846 6010B	26-Dec-08	29-Dec-08	8121547	X
7440-38-2	Arsenic	8.74		mg/kg dry	1.84	1	"	"	"	"	X
7440-39-3	Barium	75.6		mg/kg dry	1.23	1	"	"	"	"	X
7440-43-9	Cadmium	0.711		mg/kg dry	0.613	1	"	"	"	"	X
7440-47-3	Chromium	21.9		mg/kg dry	1.23	1	"	"	"	"	X
7439-97-6	Mercury	0.0554		mg/kg dry	0.0402	1	SW846 7471A	"	30-Dec-08	8121548	X
7439-92-1	Lead	22.7		mg/kg dry	1.84	1	SW846 6010B	"	29-Dec-08	8121547	X
7782-49-2	Selenium	4.21		mg/kg dry	1.84	1	"	"	"	"	X
General Chemistry Parameters											
	% Solids	71.8		%		1	SM2540 G Mod.	18-Dec-08	18-Dec-08	8121546	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C52 SA89019-07	127-17797-08011	Soil	17-Dec-08 14:15	18-Dec-08

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	18-Dec-08	18-Dec-08	8121554	
Volatile Organic Compounds						Initial weight: 5.24 g					
Prepared by method SW846 5035A Soil (low level)											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	6.5	1	SW846 8260B	23-Dec-08	23-Dec-08	8121763	X
67-64-1	Acetone	BRL		µg/kg dry	64.7	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	6.5	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	6.5	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	6.5	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	6.5	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	12.9	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	64.7	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	32.3	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	6.5	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	12.9	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	6.5	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	12.9	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	12.9	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	6.5	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	6.5	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	6.5	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	12.9	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	6.5	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	6.5	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	6.5	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	6.5	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	6.5	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	64.7	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	6.5	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	64.7	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	64.7	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	6.5	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C52	127-17797-08011	Soil	17-Dec-08 14:15	18-Dec-08
SA89019-07				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
Volatile Organic Compounds											
Prepared by method SW846 5035A Soil (low level)						Initial weight: 5.24 g					
103-65-1	n-Propylbenzene	BRL		µg/kg dry	6.5	1	SW846 8260B	23-Dec-08	23-Dec-08	8121763	X
100-42-5	Styrene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	6.5	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	6.5	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	6.5	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	6.5	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	6.5	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	6.5	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	6.5	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	6.5	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	6.5	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	12.9	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	64.7	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	6.5	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	6.5	1	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	6.5	1	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	6.5	1	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	64.7	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	129	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	32.3	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	2590	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*85*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*90*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*118*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*102*		*70-130 %*			"	"	"	"	
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3545A											
83-32-9	Acenaphthene	BRL		µg/kg dry	383	1	SW846 8270C	22-Dec-08	22-Dec-08	8121658	X
208-96-8	Acenaphthylene	665		µg/kg dry	383	1	"	"	"	"	X
62-53-3	Aniline	BRL		µg/kg dry	383	1	"	"	"	"	X
120-12-7	Anthracene	434		µg/kg dry	383	1	"	"	"	"	X
1912-24-9	Atrazine	BRL		µg/kg dry	383	1	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/kg dry	383	1	"	"	"	"	
92-87-5	Benzidine	BRL		µg/kg dry	383	1	"	"	"	"	X
56-55-3	Benzo (a) anthracene	2,990		µg/kg dry	383	1	"	"	"	"	X
50-32-8	Benzo (a) pyrene	2,060		µg/kg dry	383	1	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	2,670		µg/kg dry	383	1	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	877		µg/kg dry	383	1	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	2,710		µg/kg dry	383	1	"	"	"	"	X
65-85-0	Benzoic acid	BRL		µg/kg dry	383	1	"	"	"	"	X
100-51-6	Benzyl alcohol	BRL		µg/kg dry	383	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C52 SA89019-07	127-17797-08011	Soil	17-Dec-08 14:15	18-Dec-08

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3545A											
111-91-1	Bis(2-chloroethoxy)methane	BRL		µg/kg dry	383	1	SW846 8270C	22-Dec-08	22-Dec-08	8121658	X
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/kg dry	383	1	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	383	1	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	383	1	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/kg dry	383	1	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	BRL		µg/kg dry	383	1	"	"	"	"	X
86-74-8	Carbazole	BRL		µg/kg dry	383	1	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	BRL		µg/kg dry	383	1	"	"	"	"	X
106-47-8	4-Chloroaniline	BRL		µg/kg dry	383	1	"	"	"	"	X
91-58-7	2-Chloronaphthalene	BRL		µg/kg dry	383	1	"	"	"	"	X
95-57-8	2-Chlorophenol	BRL		µg/kg dry	383	1	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/kg dry	383	1	"	"	"	"	X
218-01-9	Chrysene	3,130		µg/kg dry	383	1	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	383	1	"	"	"	"	X
132-64-9	Dibenzofuran	BRL		µg/kg dry	383	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	383	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	383	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	383	1	"	"	"	"	X
91-94-1	3,3'-Dichlorobenzidine	BRL		µg/kg dry	383	1	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	BRL		µg/kg dry	383	1	"	"	"	"	X
84-66-2	Diethyl phthalate	BRL		µg/kg dry	383	1	"	"	"	"	X
131-11-3	Dimethyl phthalate	BRL		µg/kg dry	383	1	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	BRL		µg/kg dry	383	1	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	BRL		µg/kg dry	383	1	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	383	1	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	BRL		µg/kg dry	383	1	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	BRL		µg/kg dry	383	1	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	BRL		µg/kg dry	383	1	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	BRL		µg/kg dry	383	1	"	"	"	"	X
206-44-0	Fluoranthene	5,550		µg/kg dry	383	1	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	383	1	"	"	"	"	X
118-74-1	Hexachlorobenzene	BRL		µg/kg dry	383	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	383	1	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	BRL		µg/kg dry	383	1	"	"	"	"	X
67-72-1	Hexachloroethane	BRL		µg/kg dry	383	1	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	1,160		µg/kg dry	383	1	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	383	1	"	"	"	"	
78-59-1	Isophorone	BRL		µg/kg dry	383	1	"	"	"	"	X
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	383	1	"	"	"	"	X
95-48-7	2-Methylphenol	BRL		µg/kg dry	383	1	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	BRL		µg/kg dry	383	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	383	1	"	"	"	"	X
88-74-4	2-Nitroaniline	BRL		µg/kg dry	383	1	"	"	"	"	X
99-09-2	3-Nitroaniline	BRL		µg/kg dry	383	1	"	"	"	"	X
100-01-6	4-Nitroaniline	BRL		µg/kg dry	1530	1	"	"	"	"	X
98-95-3	Nitrobenzene	BRL		µg/kg dry	383	1	"	"	"	"	X
88-75-5	2-Nitrophenol	BRL		µg/kg dry	383	1	"	"	"	"	X
100-02-7	4-Nitrophenol	BRL		µg/kg dry	1530	1	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	BRL		µg/kg dry	383	1	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/kg dry	383	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C52 SA89019-07	127-17797-08011	Soil	17-Dec-08 14:15	18-Dec-08

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3545A											
86-30-6	N-Nitrosodiphenylamine	BRL		µg/kg dry	383	1	SW846 8270C	22-Dec-08	22-Dec-08	8121658	X
87-86-5	Pentachlorophenol	BRL		µg/kg dry	383	1	"	"	"	"	X
85-01-8	Phenanthrene	737		µg/kg dry	383	1	"	"	"	"	X
108-95-2	Phenol	BRL		µg/kg dry	383	1	"	"	"	"	X
129-00-0	Pyrene	6,370		µg/kg dry	383	1	"	"	"	"	X
110-86-1	Pyridine	BRL		µg/kg dry	383	1	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	383	1	"	"	"	"	X
95-95-4	2,4,5-Trichlorophenol	BRL		µg/kg dry	383	1	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	BRL		µg/kg dry	383	1	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	BRL		µg/kg dry	383	1	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	383	1	"	"	"	"	X
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*42*		*30-130 %*			"	"	"	"	
367-12-4	*2-Fluorophenol*	*34*		*15-110 %*			"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*31*		*30-130 %*			"	"	"	"	
4165-62-2	*Phenol-d5*	*43*		*15-110 %*			"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*57*		*30-130 %*			"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*3*	SGC	*15-110 %*			"	"	"	"	
Semivolatile Organic Compounds by GC											
Polychlorinated Biphenyls by SW846 8082											
Prepared by method SW846 3550B											
12674-11-2	PCB 1016	BRL		µg/kg dry	22.3	1	SW846 8082	22-Dec-08	24-Dec-08	8121661	X
11104-28-2	PCB 1221	BRL		µg/kg dry	22.3	1	"	"	"	"	X
11141-16-5	PCB 1232	BRL		µg/kg dry	22.3	1	"	"	"	"	X
53469-21-9	PCB 1242	BRL		µg/kg dry	22.3	1	"	"	"	"	X
12672-29-6	PCB 1248	BRL		µg/kg dry	22.3	1	"	"	"	"	X
11097-69-1	PCB 1254	BRL		µg/kg dry	22.3	1	"	"	"	"	X
11096-82-5	PCB 1260	BRL		µg/kg dry	22.3	1	"	"	"	"	X
37324-23-5	PCB 1262	BRL		µg/kg dry	22.3	1	"	"	"	"	X
11100-14-4	PCB 1268	BRL		µg/kg dry	22.3	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*95*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*70*		*30-150 %*			"	"	"	"	
Chlorinated Herbicides by SW846 8151A											
Prepared by method SW846 3550B											
93-76-5	2,4,5-T	BRL		µg/kg dry	6.70	1	SW846 8151A	23-Dec-08	26-Dec-08	8121748	X
93-72-1	2,4,5-TP (Silvex)	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-75-7	2,4-D	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-82-6	2,4-DB	BRL		µg/kg dry	6.70	1	"	"	"	"	X
75-99-0	Dalapon	BRL		µg/kg dry	6.70	1	"	"	"	"	X
1918-00-9	Dicamba	BRL		µg/kg dry	6.70	1	"	"	"	"	X
120-36-5	Dichlorprop	BRL		µg/kg dry	6.70	1	"	"	"	"	X
88-85-7	Dinoseb	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-74-6	MCPA	BRL		µg/kg dry	670	1	"	"	"	"	X
94-81-5	MCPB	BRL		µg/kg dry	670	1	"	"	"	"	
93-65-2	MCPP	BRL		µg/kg dry	670	1	"	"	"	"	X
Surrogate recoveries:											
10388-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*94*		*30-150 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C52 SA89019-07	127-17797-08011	Soil	17-Dec-08 14:15	18-Dec-08

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3550B											
8006-61-9	Gasoline	BRL		mg/kg dry	15.4	1	+CT ETPH	22-Dec-08	23-Dec-08	8121660	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	15.4	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	15.4	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	15.4	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	15.4	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	15.4	1	"	"	"	"	
	Unidentified	152		mg/kg dry	15.4	1	"	"	"	"	
	Other Oil	Calculated as		mg/kg dry	15.4	1	"	"	"	"	
	Total Petroleum Hydrocarbons	152		mg/kg dry	15.4	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	152		mg/kg dry	15.4	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*79*		*50-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	BRL		mg/kg dry	1.60	1	SW846 6010B	26-Dec-08	29-Dec-08	8121547	X
7440-38-2	Arsenic	29.8		mg/kg dry	1.60	1	"	"	"	"	X
7440-39-3	Barium	53.7		mg/kg dry	1.07	1	"	"	"	"	X
7440-43-9	Cadmium	0.561		mg/kg dry	0.534	1	"	"	"	"	X
7440-47-3	Chromium	7.26		mg/kg dry	1.07	1	"	"	"	"	X
7439-97-6	Mercury	0.170		mg/kg dry	0.0313	1	SW846 7471A	"	30-Dec-08	8121548	X
7439-92-1	Lead	83.8		mg/kg dry	1.60	1	SW846 6010B	"	29-Dec-08	8121547	X
7782-49-2	Selenium	2.37		mg/kg dry	1.60	1	"	"	"	"	X
SPLP Metals by EPA 1312 & 6000/7000 Series Methods											
	SPLP Extraction	Completed		N/A		1	SW846 1312	05-Jan-09	05-Jan-09	9010165	
7440-38-2	Arsenic	BRL		mg/l	0.0080	1	SW846 1312/6010B	07-Jan-09	12-Jan-09	9010193	
7439-92-1	Lead	BRL		mg/l	0.0150	1	"	"	"	"	
General Chemistry Parameters											
	% Solids	85.2		%		1	SM2540 G Mod.	18-Dec-08	18-Dec-08	8121546	

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8121763 - SW846 5035A Soil (low level)										
Blank (8121763-BLK1)										
Prepared & Analyzed: 23-Dec-08										
1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg wet	5.0						
Acetone	BRL		µg/kg wet	50.0						
Acrylonitrile	BRL		µg/kg wet	5.0						
Benzene	BRL		µg/kg wet	5.0						
Bromobenzene	BRL		µg/kg wet	5.0						
Bromochloromethane	BRL		µg/kg wet	5.0						
Bromodichloromethane	BRL		µg/kg wet	5.0						
Bromoform	BRL		µg/kg wet	5.0						
Bromomethane	BRL		µg/kg wet	10.0						
2-Butanone (MEK)	BRL		µg/kg wet	50.0						
n-Butylbenzene	BRL		µg/kg wet	5.0						
sec-Butylbenzene	BRL		µg/kg wet	5.0						
tert-Butylbenzene	BRL		µg/kg wet	5.0						
Carbon disulfide	BRL		µg/kg wet	25.0						
Carbon tetrachloride	BRL		µg/kg wet	5.0						
Chlorobenzene	BRL		µg/kg wet	5.0						
Chloroethane	BRL		µg/kg wet	10.0						
Chloroform	BRL		µg/kg wet	5.0						
Chloromethane	BRL		µg/kg wet	10.0						
2-Chlorotoluene	BRL		µg/kg wet	5.0						
4-Chlorotoluene	BRL		µg/kg wet	5.0						
1,2-Dibromo-3-chloropropane	BRL		µg/kg wet	10.0						
Dibromochloromethane	BRL		µg/kg wet	5.0						
1,2-Dibromoethane (EDB)	BRL		µg/kg wet	5.0						
Dibromomethane	BRL		µg/kg wet	5.0						
1,2-Dichlorobenzene	BRL		µg/kg wet	5.0						
1,3-Dichlorobenzene	BRL		µg/kg wet	5.0						
1,4-Dichlorobenzene	BRL		µg/kg wet	5.0						
Dichlorodifluoromethane (Freon12)	BRL		µg/kg wet	10.0						
1,1-Dichloroethane	BRL		µg/kg wet	5.0						
1,2-Dichloroethane	BRL		µg/kg wet	5.0						
1,1-Dichloroethene	BRL		µg/kg wet	5.0						
cis-1,2-Dichloroethene	BRL		µg/kg wet	5.0						
trans-1,2-Dichloroethene	BRL		µg/kg wet	5.0						
1,2-Dichloropropane	BRL		µg/kg wet	5.0						
1,3-Dichloropropane	BRL		µg/kg wet	5.0						
2,2-Dichloropropane	BRL		µg/kg wet	5.0						
1,1-Dichloropropene	BRL		µg/kg wet	5.0						
cis-1,3-Dichloropropene	BRL		µg/kg wet	5.0						
trans-1,3-Dichloropropene	BRL		µg/kg wet	5.0						
Ethylbenzene	BRL		µg/kg wet	5.0						
Hexachlorobutadiene	BRL		µg/kg wet	5.0						
2-Hexanone (MBK)	BRL		µg/kg wet	50.0						
Isopropylbenzene	BRL		µg/kg wet	5.0						
4-Isopropyltoluene	BRL		µg/kg wet	5.0						
Methyl tert-butyl ether	BRL		µg/kg wet	5.0						
4-Methyl-2-pentanone (MIBK)	BRL		µg/kg wet	50.0						
Methylene chloride	BRL		µg/kg wet	50.0						
Naphthalene	BRL		µg/kg wet	5.0						

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8121763 - SW846 5035A Soil (low level)										
Blank (8121763-BLK1)										
Prepared & Analyzed: 23-Dec-08										
n-Propylbenzene	BRL		µg/kg wet	5.0						
Styrene	BRL		µg/kg wet	5.0						
1,1,1,2-Tetrachloroethane	BRL		µg/kg wet	5.0						
1,1,2,2-Tetrachloroethane	BRL		µg/kg wet	5.0						
Tetrachloroethene	BRL		µg/kg wet	5.0						
Toluene	BRL		µg/kg wet	5.0						
1,2,3-Trichlorobenzene	BRL		µg/kg wet	5.0						
1,2,4-Trichlorobenzene	BRL		µg/kg wet	5.0						
1,3,5-Trichlorobenzene	BRL		µg/kg wet	5.0						
1,1,1-Trichloroethane	BRL		µg/kg wet	5.0						
1,1,2-Trichloroethane	BRL		µg/kg wet	5.0						
Trichloroethene	BRL		µg/kg wet	5.0						
Trichlorofluoromethane (Freon 11)	BRL		µg/kg wet	5.0						
1,2,3-Trichloropropane	BRL		µg/kg wet	5.0						
1,2,4-Trimethylbenzene	BRL		µg/kg wet	5.0						
1,3,5-Trimethylbenzene	BRL		µg/kg wet	5.0						
Vinyl chloride	BRL		µg/kg wet	5.0						
m,p-Xylene	BRL		µg/kg wet	10.0						
o-Xylene	BRL		µg/kg wet	5.0						
Tetrahydrofuran	BRL		µg/kg wet	50.0						
Ethyl ether	BRL		µg/kg wet	5.0						
Tert-amyl methyl ether	BRL		µg/kg wet	5.0						
Ethyl tert-butyl ether	BRL		µg/kg wet	5.0						
Di-isopropyl ether	BRL		µg/kg wet	5.0						
Tert-Butanol / butyl alcohol	BRL		µg/kg wet	50.0						
1,4-Dioxane	BRL		µg/kg wet	100						
trans-1,4-Dichloro-2-butene	BRL		µg/kg wet	25.0						
Ethanol	BRL		µg/kg wet	2000						
Surrogate: 4-Bromofluorobenzene	*46.9*		µg/kg wet		*50.0*		*94*	*70-130*		
Surrogate: Toluene-d8	*48.4*		µg/kg wet		*50.0*		*97*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*58.1*		µg/kg wet		*50.0*		*116*	*70-130*		
Surrogate: Dibromofluoromethane	*51.4*		µg/kg wet		*50.0*		*103*	*70-130*		
LCS (8121763-BS1)										
Prepared & Analyzed: 23-Dec-08										
1,1,2-Trichlorotrifluoroethane (Freon 113)	19.2		µg/kg wet		20.0		96	70-130		
Acetone	9.8		µg/kg wet		20.0		49	0-168		
Acrylonitrile	18.2		µg/kg wet		20.0		91	70-130		
Benzene	21.2		µg/kg wet		20.0		106	70-130		
Bromobenzene	18.7		µg/kg wet		20.0		94	70-130		
Bromochloromethane	17.4		µg/kg wet		20.0		87	70-130		
Bromodichloromethane	20.0		µg/kg wet		20.0		100	70-130		
Bromoform	19.6		µg/kg wet		20.0		98	70-130		
Bromomethane	16.7		µg/kg wet		20.0		83	40.9-138		
2-Butanone (MEK)	15.8		µg/kg wet		20.0		79	29.8-145		
n-Butylbenzene	24.4		µg/kg wet		20.0		122	70-130		
sec-Butylbenzene	20.6		µg/kg wet		20.0		103	70-130		
tert-Butylbenzene	19.4		µg/kg wet		20.0		97	70-130		
Carbon disulfide	22.7		µg/kg wet		20.0		114	70-130		
Carbon tetrachloride	20.0		µg/kg wet		20.0		100	70-130		
Chlorobenzene	19.6		µg/kg wet		20.0		98	70-130		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8121763 - SW846 5035A Soil (low level)										
LCS (8121763-BS1)										
Prepared & Analyzed: 23-Dec-08										
Chloroethane	18.3		µg/kg wet		20.0		92	47.5-130		
Chloroform	17.8		µg/kg wet		20.0		89	70-130		
Chloromethane	16.0		µg/kg wet		20.0		80	70-130		
2-Chlorotoluene	21.0		µg/kg wet		20.0		105	70-130		
4-Chlorotoluene	20.3		µg/kg wet		20.0		102	70-130		
1,2-Dibromo-3-chloropropane	21.4		µg/kg wet		20.0		107	70-130		
Dibromochloromethane	19.1		µg/kg wet		20.0		96	66.2-130		
1,2-Dibromoethane (EDB)	17.6		µg/kg wet		20.0		88	70-130		
Dibromomethane	17.1		µg/kg wet		20.0		85	70-130		
1,2-Dichlorobenzene	19.9		µg/kg wet		20.0		99	70-130		
1,3-Dichlorobenzene	18.9		µg/kg wet		20.0		95	70-130		
1,4-Dichlorobenzene	20.6		µg/kg wet		20.0		103	70-130		
Dichlorodifluoromethane (Freon12)	15.1		µg/kg wet		20.0		76	32-158		
1,1-Dichloroethane	18.7		µg/kg wet		20.0		94	70-130		
1,2-Dichloroethane	18.0		µg/kg wet		20.0		90	70-130		
1,1-Dichloroethene	19.5		µg/kg wet		20.0		98	70-130		
cis-1,2-Dichloroethene	18.3		µg/kg wet		20.0		92	70-130		
trans-1,2-Dichloroethene	20.4		µg/kg wet		20.0		102	70-130		
1,2-Dichloropropane	20.1		µg/kg wet		20.0		101	70-130		
1,3-Dichloropropane	17.6		µg/kg wet		20.0		88	70-130		
2,2-Dichloropropane	16.5		µg/kg wet		20.0		83	70-130		
1,1-Dichloropropene	20.2		µg/kg wet		20.0		101	70-130		
cis-1,3-Dichloropropene	18.9		µg/kg wet		20.0		95	70-130		
trans-1,3-Dichloropropene	18.7		µg/kg wet		20.0		94	70-130		
Ethylbenzene	20.9		µg/kg wet		20.0		104	70-130		
Hexachlorobutadiene	21.8		µg/kg wet		20.0		109	53.6-138		
2-Hexanone (MBK)	17.3		µg/kg wet		20.0		87	70-130		
Isopropylbenzene	21.5		µg/kg wet		20.0		107	70-130		
4-Isopropyltoluene	21.6		µg/kg wet		20.0		108	70-130		
Methyl tert-butyl ether	20.5		µg/kg wet		20.0		102	70-130		
4-Methyl-2-pentanone (MIBK)	16.9		µg/kg wet		20.0		84	53.5-137		
Methylene chloride	18.5		µg/kg wet		20.0		92	70-130		
Naphthalene	17.7		µg/kg wet		20.0		88	70-130		
n-Propylbenzene	21.6		µg/kg wet		20.0		108	70-130		
Styrene	19.9		µg/kg wet		20.0		99	70-130		
1,1,1,2-Tetrachloroethane	20.2		µg/kg wet		20.0		101	70-130		
1,1,2,2-Tetrachloroethane	18.5		µg/kg wet		20.0		92	70-130		
Tetrachloroethene	18.6		µg/kg wet		20.0		93	70-130		
Toluene	17.5		µg/kg wet		20.0		87	70-130		
1,2,3-Trichlorobenzene	18.9		µg/kg wet		20.0		94	70-130		
1,2,4-Trichlorobenzene	19.7		µg/kg wet		20.0		99	70-130		
1,3,5-Trichlorobenzene	22.7		µg/kg wet		20.0		113	70-130		
1,1,1-Trichloroethane	19.1		µg/kg wet		20.0		95	70-130		
1,1,2-Trichloroethane	18.4		µg/kg wet		20.0		92	70-130		
Trichloroethene	19.3		µg/kg wet		20.0		96	70-130		
Trichlorofluoromethane (Freon 11)	19.2		µg/kg wet		20.0		96	50.9-138		
1,2,3-Trichloropropane	17.5		µg/kg wet		20.0		88	70-130		
1,2,4-Trimethylbenzene	20.2		µg/kg wet		20.0		101	70-130		
1,3,5-Trimethylbenzene	20.6		µg/kg wet		20.0		103	70-130		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8121763 - SW846 5035A Soil (low level)										
LCS (8121763-BS1)										
Prepared & Analyzed: 23-Dec-08										
Vinyl chloride	17.2		µg/kg wet		20.0		86	70-130		
m,p-Xylene	41.8		µg/kg wet		40.0		104	70-130		
o-Xylene	20.3		µg/kg wet		20.0		102	70-130		
Tetrahydrofuran	19.3		µg/kg wet		20.0		96	70-130		
Ethyl ether	20.3		µg/kg wet		20.0		102	61.4-130		
Tert-amyl methyl ether	18.7		µg/kg wet		20.0		93	70-130		
Ethyl tert-butyl ether	19.5		µg/kg wet		20.0		97	70-130		
Di-isopropyl ether	20.8		µg/kg wet		20.0		104	70-130		
Tert-Butanol / butyl alcohol	171		µg/kg wet		200		86	70-130		
1,4-Dioxane	172		µg/kg wet		200		86	48.3-142		
trans-1,4-Dichloro-2-butene	16.7		µg/kg wet		20.0		83	70-130		
Ethanol	376		µg/kg wet		400		94	70-130		
Surrogate: 4-Bromofluorobenzene	*49.3*		µg/kg wet		*50.0*		*99*	*70-130*		
Surrogate: Toluene-d8	*47.2*		µg/kg wet		*50.0*		*94*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*46.2*		µg/kg wet		*50.0*		*92*	*70-130*		
Surrogate: Dibromofluoromethane	*46.7*		µg/kg wet		*50.0*		*93*	*70-130*		
LCS Dup (8121763-BSD1)										
Prepared & Analyzed: 23-Dec-08										
1,1,2-Trichlorotrifluoroethane (Freon 113)	19.0		µg/kg wet		20.0		95	70-130	1	25
Acetone	12.9		µg/kg wet		20.0		65	0-168	28	50
Acrylonitrile	17.1		µg/kg wet		20.0		86	70-130	6	25
Benzene	20.5		µg/kg wet		20.0		103	70-130	3	25
Bromobenzene	17.5		µg/kg wet		20.0		88	70-130	7	25
Bromochloromethane	16.1		µg/kg wet		20.0		80	70-130	8	25
Bromodichloromethane	19.7		µg/kg wet		20.0		98	70-130	2	25
Bromoform	19.7		µg/kg wet		20.0		99	70-130	0.5	25
Bromomethane	15.5		µg/kg wet		20.0		77	40.9-138	8	50
2-Butanone (MEK)	14.9		µg/kg wet		20.0		74	29.8-145	6	50
n-Butylbenzene	20.4		µg/kg wet		20.0		102	70-130	18	25
sec-Butylbenzene	18.2		µg/kg wet		20.0		91	70-130	12	25
tert-Butylbenzene	17.7		µg/kg wet		20.0		89	70-130	9	25
Carbon disulfide	22.1		µg/kg wet		20.0		110	70-130	3	25
Carbon tetrachloride	20.9		µg/kg wet		20.0		104	70-130	4	25
Chlorobenzene	19.3		µg/kg wet		20.0		96	70-130	2	25
Chloroethane	17.4		µg/kg wet		20.0		87	47.5-130	5	50
Chloroform	18.4		µg/kg wet		20.0		92	70-130	4	25
Chloromethane	14.4		µg/kg wet		20.0		72	70-130	11	25
2-Chlorotoluene	19.2		µg/kg wet		20.0		96	70-130	9	25
4-Chlorotoluene	18.4		µg/kg wet		20.0		92	70-130	10	25
1,2-Dibromo-3-chloropropane	20.4		µg/kg wet		20.0		102	70-130	4	25
Dibromochloromethane	18.0		µg/kg wet		20.0		90	66.2-130	6	50
1,2-Dibromoethane (EDB)	17.2		µg/kg wet		20.0		86	70-130	3	25
Dibromomethane	17.7		µg/kg wet		20.0		88	70-130	4	25
1,2-Dichlorobenzene	19.1		µg/kg wet		20.0		95	70-130	4	25
1,3-Dichlorobenzene	16.9		µg/kg wet		20.0		84	70-130	11	25
1,4-Dichlorobenzene	19.9		µg/kg wet		20.0		99	70-130	4	25
Dichlorodifluoromethane (Freon12)	12.6		µg/kg wet		20.0		63	32-158	19	50
1,1-Dichloroethane	20.0		µg/kg wet		20.0		100	70-130	6	25
1,2-Dichloroethane	18.2		µg/kg wet		20.0		91	70-130	1	25
1,1-Dichloroethene	19.6		µg/kg wet		20.0		98	70-130	0.4	25

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8121763 - SW846 5035A Soil (low level)										
LCS Dup (8121763-BSD1)										
Prepared & Analyzed: 23-Dec-08										
cis-1,2-Dichloroethene	19.0		µg/kg wet		20.0		95	70-130	3	25
trans-1,2-Dichloroethene	20.9		µg/kg wet		20.0		105	70-130	3	25
1,2-Dichloropropane	20.1		µg/kg wet		20.0		100	70-130	0.2	25
1,3-Dichloropropane	16.9		µg/kg wet		20.0		84	70-130	4	25
2,2-Dichloropropane	17.3		µg/kg wet		20.0		87	70-130	5	25
1,1-Dichloropropene	19.6		µg/kg wet		20.0		98	70-130	3	25
cis-1,3-Dichloropropene	18.6		µg/kg wet		20.0		93	70-130	2	25
trans-1,3-Dichloropropene	18.4		µg/kg wet		20.0		92	70-130	2	25
Ethylbenzene	20.1		µg/kg wet		20.0		100	70-130	4	25
Hexachlorobutadiene	18.4		µg/kg wet		20.0		92	53.6-138	17	50
2-Hexanone (MBK)	17.2		µg/kg wet		20.0		86	70-130	0.6	25
Isopropylbenzene	20.1		µg/kg wet		20.0		100	70-130	7	25
4-Isopropyltoluene	19.6		µg/kg wet		20.0		98	70-130	10	25
Methyl tert-butyl ether	20.6		µg/kg wet		20.0		103	70-130	0.8	25
4-Methyl-2-pentanone (MIBK)	19.8		µg/kg wet		20.0		99	53.5-137	16	50
Methylene chloride	17.3		µg/kg wet		20.0		87	70-130	6	25
Naphthalene	17.4		µg/kg wet		20.0		87	70-130	2	25
n-Propylbenzene	19.2		µg/kg wet		20.0		96	70-130	12	25
Styrene	19.3		µg/kg wet		20.0		97	70-130	3	25
1,1,1,2-Tetrachloroethane	19.1		µg/kg wet		20.0		96	70-130	5	25
1,1,2,2-Tetrachloroethane	18.5		µg/kg wet		20.0		93	70-130	0.3	25
Tetrachloroethene	17.4		µg/kg wet		20.0		87	70-130	7	25
Toluene	17.2		µg/kg wet		20.0		86	70-130	2	25
1,2,3-Trichlorobenzene	17.7		µg/kg wet		20.0		89	70-130	7	25
1,2,4-Trichlorobenzene	18.3		µg/kg wet		20.0		92	70-130	8	25
1,3,5-Trichlorobenzene	19.8		µg/kg wet		20.0		99	70-130	14	25
1,1,1-Trichloroethane	19.3		µg/kg wet		20.0		96	70-130	0.9	25
1,1,2-Trichloroethane	17.9		µg/kg wet		20.0		89	70-130	3	25
Trichloroethene	18.4		µg/kg wet		20.0		92	70-130	4	25
Trichlorofluoromethane (Freon 11)	18.4		µg/kg wet		20.0		92	50.9-138	4	50
1,2,3-Trichloropropane	16.0		µg/kg wet		20.0		80	70-130	9	25
1,2,4-Trimethylbenzene	18.5		µg/kg wet		20.0		92	70-130	9	25
1,3,5-Trimethylbenzene	18.6		µg/kg wet		20.0		93	70-130	10	25
Vinyl chloride	16.0		µg/kg wet		20.0		80	70-130	7	25
m,p-Xylene	39.6		µg/kg wet		40.0		99	70-130	5	25
o-Xylene	18.8		µg/kg wet		20.0		94	70-130	8	25
Tetrahydrofuran	19.2		µg/kg wet		20.0		96	70-130	0.1	25
Ethyl ether	21.8		µg/kg wet		20.0		109	61.4-130	7	50
Tert-amyl methyl ether	19.6		µg/kg wet		20.0		98	70-130	5	25
Ethyl tert-butyl ether	20.0		µg/kg wet		20.0		100	70-130	3	25
Di-isopropyl ether	21.5		µg/kg wet		20.0		107	70-130	3	25
Tert-Butanol / butyl alcohol	171		µg/kg wet		200		85	70-130	0.3	25
1,4-Dioxane	161		µg/kg wet		200		81	48.3-142	6	25
trans-1,4-Dichloro-2-butene	17.7		µg/kg wet		20.0		88	70-130	6	25
Ethanol	322		µg/kg wet		400		81	70-130	15	30
Surrogate: 4-Bromofluorobenzene	*46.7*		µg/kg wet		*50.0*		*93*	*70-130*		
Surrogate: Toluene-d8	*47.6*		µg/kg wet		*50.0*		*95*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*47.1*		µg/kg wet		*50.0*		*94*	*70-130*		
Surrogate: Dibromofluoromethane	*47.9*		µg/kg wet		*50.0*		*96*	*70-130*		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8121811 - SW846 5030 Soil (high level)										
Blank (8121811-BLK1)										
Prepared & Analyzed: 23-Dec-08										
1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg wet	1.0						
Acetone	BRL		µg/kg wet	10.0						
Acrylonitrile	BRL		µg/kg wet	1.0						
Benzene	BRL		µg/kg wet	1.0						
Bromobenzene	BRL		µg/kg wet	1.0						
Bromochloromethane	BRL		µg/kg wet	1.0						
Bromodichloromethane	BRL		µg/kg wet	1.0						
Bromoform	BRL		µg/kg wet	1.0						
Bromomethane	BRL		µg/kg wet	2.0						
2-Butanone (MEK)	BRL		µg/kg wet	10.0						
n-Butylbenzene	BRL		µg/kg wet	1.0						
sec-Butylbenzene	BRL		µg/kg wet	1.0						
tert-Butylbenzene	BRL		µg/kg wet	1.0						
Carbon disulfide	BRL		µg/kg wet	5.0						
Carbon tetrachloride	BRL		µg/kg wet	1.0						
Chlorobenzene	BRL		µg/kg wet	1.0						
Chloroethane	BRL		µg/kg wet	2.0						
Chloroform	BRL		µg/kg wet	1.0						
Chloromethane	BRL		µg/kg wet	2.0						
2-Chlorotoluene	BRL		µg/kg wet	1.0						
4-Chlorotoluene	BRL		µg/kg wet	1.0						
1,2-Dibromo-3-chloropropane	BRL		µg/kg wet	2.0						
Dibromochloromethane	BRL		µg/kg wet	1.0						
1,2-Dibromoethane (EDB)	BRL		µg/kg wet	1.0						
Dibromomethane	BRL		µg/kg wet	1.0						
1,2-Dichlorobenzene	BRL		µg/kg wet	1.0						
1,3-Dichlorobenzene	BRL		µg/kg wet	1.0						
1,4-Dichlorobenzene	BRL		µg/kg wet	1.0						
Dichlorodifluoromethane (Freon12)	BRL		µg/kg wet	2.0						
1,1-Dichloroethane	BRL		µg/kg wet	1.0						
1,2-Dichloroethane	BRL		µg/kg wet	1.0						
1,1-Dichloroethene	BRL		µg/kg wet	1.0						
cis-1,2-Dichloroethene	BRL		µg/kg wet	1.0						
trans-1,2-Dichloroethene	BRL		µg/kg wet	1.0						
1,2-Dichloropropane	BRL		µg/kg wet	1.0						
1,3-Dichloropropane	BRL		µg/kg wet	1.0						
2,2-Dichloropropane	BRL		µg/kg wet	1.0						
1,1-Dichloropropene	BRL		µg/kg wet	1.0						
cis-1,3-Dichloropropene	BRL		µg/kg wet	1.0						
trans-1,3-Dichloropropene	BRL		µg/kg wet	1.0						
Ethylbenzene	BRL		µg/kg wet	1.0						
Hexachlorobutadiene	BRL		µg/kg wet	1.0						
2-Hexanone (MBK)	BRL		µg/kg wet	10.0						
Isopropylbenzene	BRL		µg/kg wet	1.0						
4-Isopropyltoluene	BRL		µg/kg wet	1.0						
Methyl tert-butyl ether	BRL		µg/kg wet	1.0						
4-Methyl-2-pentanone (MIBK)	BRL		µg/kg wet	10.0						
Methylene chloride	BRL		µg/kg wet	10.0						
Naphthalene	BRL		µg/kg wet	1.0						
n-Propylbenzene	BRL		µg/kg wet	1.0						

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8121811 - SW846 5030 Soil (high level)										
Blank (8121811-BLK1)										
Prepared & Analyzed: 23-Dec-08										
Styrene	BRL		µg/kg wet	1.0						
1,1,1,2-Tetrachloroethane	BRL		µg/kg wet	1.0						
1,1,2,2-Tetrachloroethane	BRL		µg/kg wet	1.0						
Tetrachloroethene	BRL		µg/kg wet	1.0						
Toluene	BRL		µg/kg wet	1.0						
1,2,3-Trichlorobenzene	BRL		µg/kg wet	1.0						
1,2,4-Trichlorobenzene	BRL		µg/kg wet	1.0						
1,3,5-Trichlorobenzene	BRL		µg/kg wet	1.0						
1,1,1-Trichloroethane	BRL		µg/kg wet	1.0						
1,1,2-Trichloroethane	BRL		µg/kg wet	1.0						
Trichloroethene	BRL		µg/kg wet	1.0						
Trichlorofluoromethane (Freon 11)	BRL		µg/kg wet	1.0						
1,2,3-Trichloropropane	BRL		µg/kg wet	1.0						
1,2,4-Trimethylbenzene	BRL		µg/kg wet	1.0						
1,3,5-Trimethylbenzene	BRL		µg/kg wet	1.0						
Vinyl chloride	BRL		µg/kg wet	1.0						
m,p-Xylene	BRL		µg/kg wet	2.0						
o-Xylene	BRL		µg/kg wet	1.0						
Tetrahydrofuran	BRL		µg/kg wet	10.0						
Ethyl ether	BRL		µg/kg wet	1.0						
Tert-amyl methyl ether	BRL		µg/kg wet	1.0						
Ethyl tert-butyl ether	BRL		µg/kg wet	1.0						
Di-isopropyl ether	BRL		µg/kg wet	1.0						
Tert-Butanol / butyl alcohol	BRL		µg/kg wet	10.0						
1,4-Dioxane	BRL		µg/kg wet	20.0						
trans-1,4-Dichloro-2-butene	BRL		µg/kg wet	5.0						
Ethanol	BRL		µg/kg wet	400						
Surrogate: 4-Bromofluorobenzene	*30.7*		µg/kg wet		*30.0*		*102*	*70-130*		
Surrogate: Toluene-d8	*29.2*		µg/kg wet		*30.0*		*97*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*33.7*		µg/kg wet		*30.0*		*112*	*70-130*		
Surrogate: Dibromofluoromethane	*33.7*		µg/kg wet		*30.0*		*112*	*70-130*		
LCS (8121811-BS1)										
Prepared & Analyzed: 23-Dec-08										
1,1,2-Trichlorotrifluoroethane (Freon 113)	19.7		µg/kg wet		20.0		99	70-130		
Acetone	27.2		µg/kg wet		20.0		136	0-168		
Acrylonitrile	19.8		µg/kg wet		20.0		99	70-130		
Benzene	20.5		µg/kg wet		20.0		103	70-130		
Bromobenzene	22.8		µg/kg wet		20.0		114	70-130		
Bromochloromethane	25.4		µg/kg wet		20.0		127	70-130		
Bromodichloromethane	19.9		µg/kg wet		20.0		99	70-130		
Bromoform	19.6		µg/kg wet		20.0		98	70-130		
Bromomethane	23.2		µg/kg wet		20.0		116	40.9-138		
2-Butanone (MEK)	22.4		µg/kg wet		20.0		112	29.8-145		
n-Butylbenzene	16.7		µg/kg wet		20.0		84	70-130		
sec-Butylbenzene	20.2		µg/kg wet		20.0		101	70-130		
tert-Butylbenzene	20.9		µg/kg wet		20.0		105	70-130		
Carbon disulfide	15.8		µg/kg wet		20.0		79	70-130		
Carbon tetrachloride	20.7		µg/kg wet		20.0		103	70-130		
Chlorobenzene	21.1		µg/kg wet		20.0		106	70-130		
Chloroethane	21.2		µg/kg wet		20.0		106	47.5-130		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8121811 - SW846 5030 Soil (high level)										
LCS (8121811-BS1)										
Prepared & Analyzed: 23-Dec-08										
Chloroform	20.7		µg/kg wet		20.0		103	70-130		
Chloromethane	18.1		µg/kg wet		20.0		90	70-130		
2-Chlorotoluene	19.1		µg/kg wet		20.0		96	70-130		
4-Chlorotoluene	19.6		µg/kg wet		20.0		98	70-130		
1,2-Dibromo-3-chloropropane	20.3		µg/kg wet		20.0		101	70-130		
Dibromochloromethane	19.6		µg/kg wet		20.0		98	66.2-130		
1,2-Dibromoethane (EDB)	21.5		µg/kg wet		20.0		108	70-130		
Dibromomethane	23.4		µg/kg wet		20.0		117	70-130		
1,2-Dichlorobenzene	19.4		µg/kg wet		20.0		97	70-130		
1,3-Dichlorobenzene	20.7		µg/kg wet		20.0		104	70-130		
1,4-Dichlorobenzene	19.8		µg/kg wet		20.0		99	70-130		
Dichlorodifluoromethane (Freon12)	18.5		µg/kg wet		20.0		92	32-158		
1,1-Dichloroethane	19.5		µg/kg wet		20.0		98	70-130		
1,2-Dichloroethane	22.8		µg/kg wet		20.0		114	70-130		
1,1-Dichloroethene	20.1		µg/kg wet		20.0		101	70-130		
cis-1,2-Dichloroethene	20.2		µg/kg wet		20.0		101	70-130		
trans-1,2-Dichloroethene	22.1		µg/kg wet		20.0		110	70-130		
1,2-Dichloropropane	22.3		µg/kg wet		20.0		111	70-130		
1,3-Dichloropropane	22.6		µg/kg wet		20.0		113	70-130		
2,2-Dichloropropane	19.4		µg/kg wet		20.0		97	70-130		
1,1-Dichloropropene	22.0		µg/kg wet		20.0		110	70-130		
cis-1,3-Dichloropropene	19.2		µg/kg wet		20.0		96	70-130		
trans-1,3-Dichloropropene	18.1		µg/kg wet		20.0		90	70-130		
Ethylbenzene	19.4		µg/kg wet		20.0		97	70-130		
Hexachlorobutadiene	22.2		µg/kg wet		20.0		111	53.6-138		
2-Hexanone (MBK)	22.8		µg/kg wet		20.0		114	70-130		
Isopropylbenzene	21.4		µg/kg wet		20.0		107	70-130		
4-Isopropyltoluene	18.2		µg/kg wet		20.0		91	70-130		
Methyl tert-butyl ether	21.0		µg/kg wet		20.0		105	70-130		
4-Methyl-2-pentanone (MIBK)	22.0		µg/kg wet		20.0		110	53.5-137		
Methylene chloride	19.6		µg/kg wet		20.0		98	70-130		
Naphthalene	16.8		µg/kg wet		20.0		84	70-130		
n-Propylbenzene	19.1		µg/kg wet		20.0		96	70-130		
Styrene	20.1		µg/kg wet		20.0		100	70-130		
1,1,1,2-Tetrachloroethane	21.0		µg/kg wet		20.0		105	70-130		
1,1,2,2-Tetrachloroethane	23.3		µg/kg wet		20.0		116	70-130		
Tetrachloroethene	22.6		µg/kg wet		20.0		113	70-130		
Toluene	21.5		µg/kg wet		20.0		108	70-130		
1,2,3-Trichlorobenzene	20.0		µg/kg wet		20.0		100	70-130		
1,2,4-Trichlorobenzene	19.5		µg/kg wet		20.0		98	70-130		
1,3,5-Trichlorobenzene	20.3		µg/kg wet		20.0		101	70-130		
1,1,1-Trichloroethane	21.4		µg/kg wet		20.0		107	70-130		
1,1,2-Trichloroethane	23.6		µg/kg wet		20.0		118	70-130		
Trichloroethene	22.6		µg/kg wet		20.0		113	70-130		
Trichlorofluoromethane (Freon 11)	21.5		µg/kg wet		20.0		108	50.9-138		
1,2,3-Trichloropropane	21.3		µg/kg wet		20.0		107	70-130		
1,2,4-Trimethylbenzene	19.6		µg/kg wet		20.0		98	70-130		
1,3,5-Trimethylbenzene	19.9		µg/kg wet		20.0		100	70-130		
Vinyl chloride	20.0		µg/kg wet		20.0		100	70-130		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8121811 - SW846 5030 Soil (high level)										
LCS (8121811-BS1)										
Prepared & Analyzed: 23-Dec-08										
m,p-Xylene	39.9		µg/kg wet		40.0		100	70-130		
o-Xylene	21.1		µg/kg wet		20.0		106	70-130		
Tetrahydrofuran	26.8	QC2	µg/kg wet		20.0		134	70-130		
Ethyl ether	20.7		µg/kg wet		20.0		103	61.4-130		
Tert-amyl methyl ether	22.4		µg/kg wet		20.0		112	70-130		
Ethyl tert-butyl ether	22.1		µg/kg wet		20.0		111	70-130		
Di-isopropyl ether	20.1		µg/kg wet		20.0		101	70-130		
Tert-Butanol / butyl alcohol	232		µg/kg wet		200		116	70-130		
1,4-Dioxane	217		µg/kg wet		200		108	48.3-142		
trans-1,4-Dichloro-2-butene	18.4		µg/kg wet		20.0		92	70-130		
Ethanol	359		µg/kg wet		400		90	70-130		
Surrogate: 4-Bromofluorobenzene	*30.8*		µg/kg wet		*30.0*		*103*	*70-130*		
Surrogate: Toluene-d8	*29.9*		µg/kg wet		*30.0*		*100*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*34.9*		µg/kg wet		*30.0*		*116*	*70-130*		
Surrogate: Dibromofluoromethane	*35.1*		µg/kg wet		*30.0*		*117*	*70-130*		
LCS Dup (8121811-BSD1)										
Prepared & Analyzed: 23-Dec-08										
1,1,2-Trichlorotrifluoroethane (Freon 113)	19.3		µg/kg wet		20.0		96	70-130	2	25
Acetone	26.4		µg/kg wet		20.0		132	0-168	3	50
Acrylonitrile	21.6		µg/kg wet		20.0		108	70-130	9	25
Benzene	20.7		µg/kg wet		20.0		104	70-130	0.9	25
Bromobenzene	23.1		µg/kg wet		20.0		116	70-130	1	25
Bromochloromethane	26.0		µg/kg wet		20.0		130	70-130	3	25
Bromodichloromethane	20.6		µg/kg wet		20.0		103	70-130	4	25
Bromoform	20.6		µg/kg wet		20.0		103	70-130	5	25
Bromomethane	20.8		µg/kg wet		20.0		104	40.9-138	11	50
2-Butanone (MEK)	22.5		µg/kg wet		20.0		112	29.8-145	0.4	50
n-Butylbenzene	16.7		µg/kg wet		20.0		84	70-130	0.1	25
sec-Butylbenzene	20.1		µg/kg wet		20.0		100	70-130	0.6	25
tert-Butylbenzene	21.0		µg/kg wet		20.0		105	70-130	0.5	25
Carbon disulfide	15.1		µg/kg wet		20.0		75	70-130	4	25
Carbon tetrachloride	20.3		µg/kg wet		20.0		102	70-130	2	25
Chlorobenzene	20.9		µg/kg wet		20.0		104	70-130	1	25
Chloroethane	20.6		µg/kg wet		20.0		103	47.5-130	3	50
Chloroform	19.9		µg/kg wet		20.0		100	70-130	4	25
Chloromethane	17.3		µg/kg wet		20.0		86	70-130	5	25
2-Chlorotoluene	19.1		µg/kg wet		20.0		96	70-130	0.05	25
4-Chlorotoluene	19.6		µg/kg wet		20.0		98	70-130	0.1	25
1,2-Dibromo-3-chloropropane	18.6		µg/kg wet		20.0		93	70-130	9	25
Dibromochloromethane	19.9		µg/kg wet		20.0		100	66.2-130	2	50
1,2-Dibromoethane (EDB)	21.6		µg/kg wet		20.0		108	70-130	0.4	25
Dibromomethane	24.2		µg/kg wet		20.0		121	70-130	3	25
1,2-Dichlorobenzene	19.3		µg/kg wet		20.0		96	70-130	0.4	25
1,3-Dichlorobenzene	21.0		µg/kg wet		20.0		105	70-130	1	25
1,4-Dichlorobenzene	19.4		µg/kg wet		20.0		97	70-130	2	25
Dichlorodifluoromethane (Freon12)	17.8		µg/kg wet		20.0		89	32-158	4	50
1,1-Dichloroethane	18.9		µg/kg wet		20.0		94	70-130	3	25
1,2-Dichloroethane	22.8		µg/kg wet		20.0		114	70-130	0.09	25
1,1-Dichloroethene	19.1		µg/kg wet		20.0		95	70-130	5	25
cis-1,2-Dichloroethene	19.0		µg/kg wet		20.0		95	70-130	6	25

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8121811 - SW846 5030 Soil (high level)										
LCS Dup (8121811-BSD1)										
Prepared & Analyzed: 23-Dec-08										
trans-1,2-Dichloroethene	21.4		µg/kg wet		20.0		107	70-130	3	25
1,2-Dichloropropane	22.5		µg/kg wet		20.0		112	70-130	0.8	25
1,3-Dichloropropane	22.4		µg/kg wet		20.0		112	70-130	0.5	25
2,2-Dichloropropane	18.2		µg/kg wet		20.0		91	70-130	6	25
1,1-Dichloropropene	21.1		µg/kg wet		20.0		106	70-130	4	25
cis-1,3-Dichloropropene	19.5		µg/kg wet		20.0		98	70-130	1	25
trans-1,3-Dichloropropene	18.1		µg/kg wet		20.0		90	70-130	0.2	25
Ethylbenzene	19.1		µg/kg wet		20.0		95	70-130	2	25
Hexachlorobutadiene	23.0		µg/kg wet		20.0		115	53.6-138	3	50
2-Hexanone (MBK)	21.9		µg/kg wet		20.0		109	70-130	4	25
Isopropylbenzene	20.9		µg/kg wet		20.0		104	70-130	3	25
4-Isopropyltoluene	17.8		µg/kg wet		20.0		89	70-130	3	25
Methyl tert-butyl ether	21.1		µg/kg wet		20.0		106	70-130	0.5	25
4-Methyl-2-pentanone (MIBK)	22.8		µg/kg wet		20.0		114	53.5-137	3	50
Methylene chloride	19.3		µg/kg wet		20.0		96	70-130	2	25
Naphthalene	17.2		µg/kg wet		20.0		86	70-130	2	25
n-Propylbenzene	19.0		µg/kg wet		20.0		95	70-130	0.5	25
Styrene	19.8		µg/kg wet		20.0		99	70-130	1	25
1,1,1,2-Tetrachloroethane	20.3		µg/kg wet		20.0		102	70-130	3	25
1,1,2,2-Tetrachloroethane	24.2		µg/kg wet		20.0		121	70-130	4	25
Tetrachloroethene	23.1		µg/kg wet		20.0		115	70-130	2	25
Toluene	20.9		µg/kg wet		20.0		105	70-130	3	25
1,2,3-Trichlorobenzene	20.8		µg/kg wet		20.0		104	70-130	4	25
1,2,4-Trichlorobenzene	20.4		µg/kg wet		20.0		102	70-130	4	25
1,3,5-Trichlorobenzene	20.6		µg/kg wet		20.0		103	70-130	2	25
1,1,1-Trichloroethane	21.1		µg/kg wet		20.0		106	70-130	1	25
1,1,2-Trichloroethane	23.8		µg/kg wet		20.0		119	70-130	1	25
Trichloroethene	21.7		µg/kg wet		20.0		109	70-130	4	25
Trichlorofluoromethane (Freon 11)	20.8		µg/kg wet		20.0		104	50.9-138	3	50
1,2,3-Trichloropropane	21.0		µg/kg wet		20.0		105	70-130	2	25
1,2,4-Trimethylbenzene	19.6		µg/kg wet		20.0		98	70-130	0	25
1,3,5-Trimethylbenzene	20.1		µg/kg wet		20.0		101	70-130	1	25
Vinyl chloride	19.4		µg/kg wet		20.0		97	70-130	3	25
m,p-Xylene	40.4		µg/kg wet		40.0		101	70-130	1	25
o-Xylene	21.2		µg/kg wet		20.0		106	70-130	0.2	25
Tetrahydrofuran	26.9	QC2	µg/kg wet		20.0		135	70-130	0.4	25
Ethyl ether	22.1		µg/kg wet		20.0		111	61.4-130	7	50
Tert-amyl methyl ether	22.6		µg/kg wet		20.0		113	70-130	1	25
Ethyl tert-butyl ether	22.1		µg/kg wet		20.0		110	70-130	0.3	25
Di-isopropyl ether	19.8		µg/kg wet		20.0		99	70-130	1	25
Tert-Butanol / butyl alcohol	229		µg/kg wet		200		115	70-130	1	25
1,4-Dioxane	255		µg/kg wet		200		128	48.3-142	16	25
trans-1,4-Dichloro-2-butene	19.6		µg/kg wet		20.0		98	70-130	6	25
Ethanol	440		µg/kg wet		400		110	70-130	20	30
Surrogate: 4-Bromofluorobenzene	*30.8*		µg/kg wet		*30.0*		*103*	*70-130*		
Surrogate: Toluene-d8	*29.2*		µg/kg wet		*30.0*		*97*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*34.1*		µg/kg wet		*30.0*		*114*	*70-130*		
Surrogate: Dibromofluoromethane	*35.0*		µg/kg wet		*30.0*		*117*	*70-130*		
Matrix Spike (8121811-MS1) **Source: SA88941-01**										
Prepared: 23-Dec-08 Analyzed: 24-Dec-08										

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8121811 - SW846 5030 Soil (high level)										
Matrix Spike (8121811-MS1) **Source: SA88941-01**										
Prepared: 23-Dec-08 Analyzed: 24-Dec-08										
Benzene	21.2		µg/kg dry		20.0	BRL	106	70-130		
Chlorobenzene	20.4		µg/kg dry		20.0	BRL	102	70-130		
1,1-Dichloroethene	20.7		µg/kg dry		20.0	BRL	103	70-130		
Toluene	27.0	QC1	µg/kg dry		20.0	BRL	135	70-130		
Trichloroethene	22.1		µg/kg dry		20.0	2.8	97	70-130		
Surrogate: 4-Bromofluorobenzene	*31.8*		µg/kg dry		*30.0*		*106*	*70-130*		
Surrogate: Toluene-d8	*29.2*		µg/kg dry		*30.0*		*97*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*33.2*		µg/kg dry		*30.0*		*110*	*70-130*		
Surrogate: Dibromofluoromethane	*33.1*		µg/kg dry		*30.0*		*110*	*70-130*		
Matrix Spike Dup (8121811-MSD1) **Source: SA88941-01**										
Prepared: 23-Dec-08 Analyzed: 24-Dec-08										
Benzene	23.1		µg/kg dry		20.0	BRL	116	70-130	9	30
Chlorobenzene	23.2		µg/kg dry		20.0	BRL	116	70-130	13	30
1,1-Dichloroethene	22.6		µg/kg dry		20.0	BRL	113	70-130	9	30
Toluene	23.6		µg/kg dry		20.0	BRL	118	70-130	14	30
Trichloroethene	24.5		µg/kg dry		20.0	2.8	109	70-130	12	30
Surrogate: 4-Bromofluorobenzene	*32.6*		µg/kg dry		*30.0*		*109*	*70-130*		
Surrogate: Toluene-d8	*29.4*		µg/kg dry		*30.0*		*98*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*33.8*		µg/kg dry		*30.0*		*113*	*70-130*		
Surrogate: Dibromofluoromethane	*33.6*		µg/kg dry		*30.0*		*112*	*70-130*		
Batch 8121855 - SW846 5030 Soil (high level)										
Blank (8121855-BLK1)										
Prepared & Analyzed: 24-Dec-08										
1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg wet	1.0						
Acetone	BRL		µg/kg wet	10.0						
Acrylonitrile	BRL		µg/kg wet	1.0						
Benzene	BRL		µg/kg wet	1.0						
Bromobenzene	BRL		µg/kg wet	1.0						
Bromochloromethane	BRL		µg/kg wet	1.0						
Bromodichloromethane	BRL		µg/kg wet	1.0						
Bromoform	BRL		µg/kg wet	1.0						
Bromomethane	BRL		µg/kg wet	2.0						
2-Butanone (MEK)	BRL		µg/kg wet	10.0						
n-Butylbenzene	BRL		µg/kg wet	1.0						
sec-Butylbenzene	BRL		µg/kg wet	1.0						
tert-Butylbenzene	BRL		µg/kg wet	1.0						
Carbon disulfide	BRL		µg/kg wet	5.0						
Carbon tetrachloride	BRL		µg/kg wet	1.0						
Chlorobenzene	BRL		µg/kg wet	1.0						
Chloroethane	BRL		µg/kg wet	2.0						
Chloroform	BRL		µg/kg wet	1.0						
Chloromethane	BRL		µg/kg wet	2.0						
2-Chlorotoluene	BRL		µg/kg wet	1.0						
4-Chlorotoluene	BRL		µg/kg wet	1.0						
1,2-Dibromo-3-chloropropane	BRL		µg/kg wet	2.0						
Dibromochloromethane	BRL		µg/kg wet	1.0						
1,2-Dibromoethane (EDB)	BRL		µg/kg wet	1.0						
Dibromomethane	BRL		µg/kg wet	1.0						
1,2-Dichlorobenzene	BRL		µg/kg wet	1.0						
1,3-Dichlorobenzene	BRL		µg/kg wet	1.0						

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8121855 - SW846 5030 Soil (high level)										
Blank (8121855-BLK1)										
Prepared & Analyzed: 24-Dec-08										
1,4-Dichlorobenzene	BRL		µg/kg wet	1.0						
Dichlorodifluoromethane (Freon12)	BRL		µg/kg wet	2.0						
1,1-Dichloroethane	BRL		µg/kg wet	1.0						
1,2-Dichloroethane	BRL		µg/kg wet	1.0						
1,1-Dichloroethene	BRL		µg/kg wet	1.0						
cis-1,2-Dichloroethene	BRL		µg/kg wet	1.0						
trans-1,2-Dichloroethene	BRL		µg/kg wet	1.0						
1,2-Dichloropropane	BRL		µg/kg wet	1.0						
1,3-Dichloropropane	BRL		µg/kg wet	1.0						
2,2-Dichloropropane	BRL		µg/kg wet	1.0						
1,1-Dichloropropene	BRL		µg/kg wet	1.0						
cis-1,3-Dichloropropene	BRL		µg/kg wet	1.0						
trans-1,3-Dichloropropene	BRL		µg/kg wet	1.0						
Ethylbenzene	BRL		µg/kg wet	1.0						
Hexachlorobutadiene	BRL		µg/kg wet	1.0						
2-Hexanone (MBK)	BRL		µg/kg wet	10.0						
Isopropylbenzene	BRL		µg/kg wet	1.0						
4-Isopropyltoluene	BRL		µg/kg wet	1.0						
Methyl tert-butyl ether	BRL		µg/kg wet	1.0						
4-Methyl-2-pentanone (MIBK)	BRL		µg/kg wet	10.0						
Methylene chloride	BRL		µg/kg wet	10.0						
Naphthalene	BRL		µg/kg wet	1.0						
n-Propylbenzene	BRL		µg/kg wet	1.0						
Styrene	BRL		µg/kg wet	1.0						
1,1,1,2-Tetrachloroethane	BRL		µg/kg wet	1.0						
1,1,2,2-Tetrachloroethane	BRL		µg/kg wet	1.0						
Tetrachloroethene	BRL		µg/kg wet	1.0						
Toluene	BRL		µg/kg wet	1.0						
1,2,3-Trichlorobenzene	BRL		µg/kg wet	1.0						
1,2,4-Trichlorobenzene	BRL		µg/kg wet	1.0						
1,3,5-Trichlorobenzene	BRL		µg/kg wet	1.0						
1,1,1-Trichloroethane	BRL		µg/kg wet	1.0						
1,1,2-Trichloroethane	BRL		µg/kg wet	1.0						
Trichloroethene	BRL		µg/kg wet	1.0						
Trichlorofluoromethane (Freon 11)	BRL		µg/kg wet	1.0						
1,2,3-Trichloropropane	BRL		µg/kg wet	1.0						
1,2,4-Trimethylbenzene	BRL		µg/kg wet	1.0						
1,3,5-Trimethylbenzene	BRL		µg/kg wet	1.0						
Vinyl chloride	BRL		µg/kg wet	1.0						
m,p-Xylene	BRL		µg/kg wet	2.0						
o-Xylene	BRL		µg/kg wet	1.0						
Tetrahydrofuran	BRL		µg/kg wet	10.0						
Ethyl ether	BRL		µg/kg wet	1.0						
Tert-amyl methyl ether	BRL		µg/kg wet	1.0						
Ethyl tert-butyl ether	BRL		µg/kg wet	1.0						
Di-isopropyl ether	BRL		µg/kg wet	1.0						
Tert-Butanol / butyl alcohol	BRL		µg/kg wet	10.0						
1,4-Dioxane	BRL		µg/kg wet	20.0						
trans-1,4-Dichloro-2-butene	BRL		µg/kg wet	5.0						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8121855 - SW846 5030 Soil (high level)										
Blank (8121855-BLK1)										
Prepared & Analyzed: 24-Dec-08										
Ethanol	BRL		µg/kg wet	400						
Surrogate: 4-Bromofluorobenzene	*30.2*		µg/kg wet		*30.0*		*101*	*70-130*		
Surrogate: Toluene-d8	*29.6*		µg/kg wet		*30.0*		*99*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*34.6*		µg/kg wet		*30.0*		*115*	*70-130*		
Surrogate: Dibromofluoromethane	*32.8*		µg/kg wet		*30.0*		*109*	*70-130*		
LCS (8121855-BS1)										
Prepared & Analyzed: 24-Dec-08										
1,1,2-Trichlorotrifluoroethane (Freon 113)	21.1		µg/kg wet		20.0		106	70-130		
Acetone	25.7		µg/kg wet		20.0		128	0-168		
Acrylonitrile	20.6		µg/kg wet		20.0		103	70-130		
Benzene	22.0		µg/kg wet		20.0		110	70-130		
Bromobenzene	23.7		µg/kg wet		20.0		119	70-130		
Bromochloromethane	26.8	QC2	µg/kg wet		20.0		134	70-130		
Bromodichloromethane	20.5		µg/kg wet		20.0		103	70-130		
Bromoform	18.9		µg/kg wet		20.0		94	70-130		
Bromomethane	24.6		µg/kg wet		20.0		123	40.9-138		
2-Butanone (MEK)	21.4		µg/kg wet		20.0		107	29.8-145		
n-Butylbenzene	16.7		µg/kg wet		20.0		84	70-130		
sec-Butylbenzene	21.3		µg/kg wet		20.0		106	70-130		
tert-Butylbenzene	22.1		µg/kg wet		20.0		110	70-130		
Carbon disulfide	16.6		µg/kg wet		20.0		83	70-130		
Carbon tetrachloride	20.7		µg/kg wet		20.0		103	70-130		
Chlorobenzene	21.8		µg/kg wet		20.0		109	70-130		
Chloroethane	21.9		µg/kg wet		20.0		110	47.5-130		
Chloroform	21.1		µg/kg wet		20.0		106	70-130		
Chloromethane	18.5		µg/kg wet		20.0		93	70-130		
2-Chlorotoluene	19.7		µg/kg wet		20.0		99	70-130		
4-Chlorotoluene	20.5		µg/kg wet		20.0		102	70-130		
1,2-Dibromo-3-chloropropane	17.2		µg/kg wet		20.0		86	70-130		
Dibromochloromethane	19.5		µg/kg wet		20.0		98	66.2-130		
1,2-Dibromoethane (EDB)	22.1		µg/kg wet		20.0		110	70-130		
Dibromomethane	23.7		µg/kg wet		20.0		119	70-130		
1,2-Dichlorobenzene	18.8		µg/kg wet		20.0		94	70-130		
1,3-Dichlorobenzene	21.7		µg/kg wet		20.0		109	70-130		
1,4-Dichlorobenzene	19.0		µg/kg wet		20.0		95	70-130		
Dichlorodifluoromethane (Freon12)	19.5		µg/kg wet		20.0		97	32-158		
1,1-Dichloroethane	19.3		µg/kg wet		20.0		97	70-130		
1,2-Dichloroethane	22.3		µg/kg wet		20.0		111	70-130		
1,1-Dichloroethene	21.6		µg/kg wet		20.0		108	70-130		
cis-1,2-Dichloroethene	20.2		µg/kg wet		20.0		101	70-130		
trans-1,2-Dichloroethene	23.1		µg/kg wet		20.0		116	70-130		
1,2-Dichloropropane	23.1		µg/kg wet		20.0		115	70-130		
1,3-Dichloropropane	22.6		µg/kg wet		20.0		113	70-130		
2,2-Dichloropropane	20.7		µg/kg wet		20.0		104	70-130		
1,1-Dichloropropene	23.6		µg/kg wet		20.0		118	70-130		
cis-1,3-Dichloropropene	19.2		µg/kg wet		20.0		96	70-130		
trans-1,3-Dichloropropene	18.5		µg/kg wet		20.0		93	70-130		
Ethylbenzene	20.5		µg/kg wet		20.0		102	70-130		
Hexachlorobutadiene	23.2		µg/kg wet		20.0		116	53.6-138		
2-Hexanone (MBK)	22.5		µg/kg wet		20.0		112	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8121855 - SW846 5030 Soil (high level)										
LCS (8121855-BS1)										
Prepared & Analyzed: 24-Dec-08										
Isopropylbenzene	22.6		µg/kg wet		20.0		113	70-130		
4-Isopropyltoluene	18.1		µg/kg wet		20.0		91	70-130		
Methyl tert-butyl ether	21.1		µg/kg wet		20.0		105	70-130		
4-Methyl-2-pentanone (MIBK)	22.9		µg/kg wet		20.0		114	53.5-137		
Methylene chloride	20.0		µg/kg wet		20.0		100	70-130		
Naphthalene	17.0		µg/kg wet		20.0		85	70-130		
n-Propylbenzene	20.2		µg/kg wet		20.0		101	70-130		
Styrene	21.1		µg/kg wet		20.0		105	70-130		
1,1,1,2-Tetrachloroethane	20.2		µg/kg wet		20.0		101	70-130		
1,1,2,2-Tetrachloroethane	23.5		µg/kg wet		20.0		118	70-130		
Tetrachloroethene	25.0		µg/kg wet		20.0		125	70-130		
Toluene	22.7		µg/kg wet		20.0		113	70-130		
1,2,3-Trichlorobenzene	20.6		µg/kg wet		20.0		103	70-130		
1,2,4-Trichlorobenzene	20.4		µg/kg wet		20.0		102	70-130		
1,3,5-Trichlorobenzene	21.3		µg/kg wet		20.0		106	70-130		
1,1,1-Trichloroethane	22.4		µg/kg wet		20.0		112	70-130		
1,1,2-Trichloroethane	23.8		µg/kg wet		20.0		119	70-130		
Trichloroethene	23.6		µg/kg wet		20.0		118	70-130		
Trichlorofluoromethane (Freon 11)	22.8		µg/kg wet		20.0		114	50.9-138		
1,2,3-Trichloropropane	20.9		µg/kg wet		20.0		104	70-130		
1,2,4-Trimethylbenzene	20.4		µg/kg wet		20.0		102	70-130		
1,3,5-Trimethylbenzene	21.2		µg/kg wet		20.0		106	70-130		
Vinyl chloride	20.6		µg/kg wet		20.0		103	70-130		
m,p-Xylene	42.2		µg/kg wet		40.0		106	70-130		
o-Xylene	22.0		µg/kg wet		20.0		110	70-130		
Tetrahydrofuran	25.8		µg/kg wet		20.0		129	70-130		
Ethyl ether	21.1		µg/kg wet		20.0		105	61.4-130		
Tert-amyl methyl ether	21.9		µg/kg wet		20.0		109	70-130		
Ethyl tert-butyl ether	23.2		µg/kg wet		20.0		116	70-130		
Di-isopropyl ether	19.9		µg/kg wet		20.0		99	70-130		
Tert-Butanol / butyl alcohol	234		µg/kg wet		200		117	70-130		
1,4-Dioxane	231		µg/kg wet		200		115	48.3-142		
trans-1,4-Dichloro-2-butene	16.2		µg/kg wet		20.0		81	70-130		
Ethanol	438		µg/kg wet		400		109	70-130		
Surrogate: 4-Bromofluorobenzene	*31.9*		µg/kg wet		*30.0*		*106*	*70-130*		
Surrogate: Toluene-d8	*29.6*		µg/kg wet		*30.0*		*99*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*32.8*		µg/kg wet		*30.0*		*109*	*70-130*		
Surrogate: Dibromofluoromethane	*34.3*		µg/kg wet		*30.0*		*114*	*70-130*		
LCS Dup (8121855-BSD1)										
Prepared & Analyzed: 24-Dec-08										
1,1,2-Trichlorotrifluoroethane (Freon 113)	20.5		µg/kg wet		20.0		102	70-130	3	25
Acetone	24.5		µg/kg wet		20.0		122	0-168	5	50
Acrylonitrile	21.8		µg/kg wet		20.0		109	70-130	6	25
Benzene	21.4		µg/kg wet		20.0		107	70-130	3	25
Bromobenzene	24.4		µg/kg wet		20.0		122	70-130	3	25
Bromochloromethane	27.0	QC2	µg/kg wet		20.0		135	70-130	0.8	25
Bromodichloromethane	20.9		µg/kg wet		20.0		105	70-130	2	25
Bromoform	20.0		µg/kg wet		20.0		100	70-130	6	25
Bromomethane	23.6		µg/kg wet		20.0		118	40.9-138	4	50
2-Butanone (MEK)	20.8		µg/kg wet		20.0		104	29.8-145	3	50

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8121855 - SW846 5030 Soil (high level)										
LCS Dup (8121855-BSD1)										
Prepared & Analyzed: 24-Dec-08										
n-Butylbenzene	18.9		µg/kg wet		20.0		95	70-130	12	25
sec-Butylbenzene	21.8		µg/kg wet		20.0		109	70-130	3	25
tert-Butylbenzene	22.7		µg/kg wet		20.0		113	70-130	3	25
Carbon disulfide	17.0		µg/kg wet		20.0		85	70-130	2	25
Carbon tetrachloride	21.2		µg/kg wet		20.0		106	70-130	2	25
Chlorobenzene	22.1		µg/kg wet		20.0		111	70-130	2	25
Chloroethane	22.3		µg/kg wet		20.0		112	47.5-130	2	50
Chloroform	21.5		µg/kg wet		20.0		108	70-130	2	25
Chloromethane	18.6		µg/kg wet		20.0		93	70-130	0.3	25
2-Chlorotoluene	20.2		µg/kg wet		20.0		101	70-130	2	25
4-Chlorotoluene	21.0		µg/kg wet		20.0		105	70-130	3	25
1,2-Dibromo-3-chloropropane	19.7		µg/kg wet		20.0		99	70-130	14	25
Dibromochloromethane	19.3		µg/kg wet		20.0		96	66.2-130	1	50
1,2-Dibromoethane (EDB)	22.0		µg/kg wet		20.0		110	70-130	0.3	25
Dibromomethane	24.0		µg/kg wet		20.0		120	70-130	1	25
1,2-Dichlorobenzene	20.7		µg/kg wet		20.0		104	70-130	9	25
1,3-Dichlorobenzene	22.3		µg/kg wet		20.0		111	70-130	3	25
1,4-Dichlorobenzene	20.6		µg/kg wet		20.0		103	70-130	8	25
Dichlorodifluoromethane (Freon12)	20.3		µg/kg wet		20.0		101	32-158	4	50
1,1-Dichloroethane	19.5		µg/kg wet		20.0		98	70-130	1	25
1,2-Dichloroethane	22.8		µg/kg wet		20.0		114	70-130	2	25
1,1-Dichloroethene	21.8		µg/kg wet		20.0		109	70-130	0.9	25
cis-1,2-Dichloroethene	20.4		µg/kg wet		20.0		102	70-130	1	25
trans-1,2-Dichloroethene	22.3		µg/kg wet		20.0		111	70-130	4	25
1,2-Dichloropropane	23.4		µg/kg wet		20.0		117	70-130	1	25
1,3-Dichloropropane	22.8		µg/kg wet		20.0		114	70-130	0.7	25
2,2-Dichloropropane	21.0		µg/kg wet		20.0		105	70-130	1	25
1,1-Dichloropropene	23.4		µg/kg wet		20.0		117	70-130	1	25
cis-1,3-Dichloropropene	19.0		µg/kg wet		20.0		95	70-130	1	25
trans-1,3-Dichloropropene	18.5		µg/kg wet		20.0		92	70-130	0.05	25
Ethylbenzene	21.1		µg/kg wet		20.0		106	70-130	3	25
Hexachlorobutadiene	24.8		µg/kg wet		20.0		124	53.6-138	7	50
2-Hexanone (MBK)	23.1		µg/kg wet		20.0		115	70-130	3	25
Isopropylbenzene	22.8		µg/kg wet		20.0		114	70-130	1	25
4-Isopropyltoluene	19.6		µg/kg wet		20.0		98	70-130	8	25
Methyl tert-butyl ether	21.9		µg/kg wet		20.0		109	70-130	4	25
4-Methyl-2-pentanone (MIBK)	23.2		µg/kg wet		20.0		116	53.5-137	2	50
Methylene chloride	20.5		µg/kg wet		20.0		102	70-130	2	25
Naphthalene	19.2		µg/kg wet		20.0		96	70-130	13	25
n-Propylbenzene	21.1		µg/kg wet		20.0		105	70-130	4	25
Styrene	22.0		µg/kg wet		20.0		110	70-130	4	25
1,1,1,2-Tetrachloroethane	20.7		µg/kg wet		20.0		104	70-130	3	25
1,1,2,2-Tetrachloroethane	24.3		µg/kg wet		20.0		121	70-130	3	25
Tetrachloroethene	24.3		µg/kg wet		20.0		121	70-130	3	25
Toluene	22.3		µg/kg wet		20.0		112	70-130	2	25
1,2,3-Trichlorobenzene	23.2		µg/kg wet		20.0		116	70-130	12	25
1,2,4-Trichlorobenzene	22.9		µg/kg wet		20.0		115	70-130	12	25
1,3,5-Trichlorobenzene	22.9		µg/kg wet		20.0		115	70-130	7	25
1,1,1-Trichloroethane	21.9		µg/kg wet		20.0		109	70-130	2	25

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8121855 - SW846 5030 Soil (high level)										
LCS Dup (8121855-BSD1)										
Prepared & Analyzed: 24-Dec-08										
1,1,2-Trichloroethane	24.1		µg/kg wet		20.0		120	70-130	1	25
Trichloroethene	22.4		µg/kg wet		20.0		112	70-130	5	25
Trichlorofluoromethane (Freon 11)	22.7		µg/kg wet		20.0		113	50.9-138	0.7	50
1,2,3-Trichloropropane	22.3		µg/kg wet		20.0		111	70-130	7	25
1,2,4-Trimethylbenzene	21.6		µg/kg wet		20.0		108	70-130	6	25
1,3,5-Trimethylbenzene	21.6		µg/kg wet		20.0		108	70-130	2	25
Vinyl chloride	19.7		µg/kg wet		20.0		98	70-130	4	25
m,p-Xylene	43.4		µg/kg wet		40.0		108	70-130	3	25
o-Xylene	22.6		µg/kg wet		20.0		113	70-130	3	25
Tetrahydrofuran	27.1	QC1	µg/kg wet		20.0		136	70-130	5	25
Ethyl ether	22.5		µg/kg wet		20.0		113	61.4-130	7	50
Tert-amyl methyl ether	23.4		µg/kg wet		20.0		117	70-130	7	25
Ethyl tert-butyl ether	23.9		µg/kg wet		20.0		120	70-130	3	25
Di-isopropyl ether	20.1		µg/kg wet		20.0		100	70-130	0.9	25
Tert-Butanol / butyl alcohol	254		µg/kg wet		200		127	70-130	8	25
1,4-Dioxane	246		µg/kg wet		200		123	48.3-142	7	25
trans-1,4-Dichloro-2-butene	20.3		µg/kg wet		20.0		101	70-130	22	25
Ethanol	513		µg/kg wet		400		128	70-130	16	30
Surrogate: 4-Bromofluorobenzene	*31.2*		µg/kg wet		*30.0*		*104*	*70-130*		
Surrogate: Toluene-d8	*28.9*		µg/kg wet		*30.0*		*96*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*33.4*		µg/kg wet		*30.0*		*112*	*70-130*		
Surrogate: Dibromofluoromethane	*33.5*		µg/kg wet		*30.0*		*112*	*70-130*		
Matrix Spike (8121855-MS1)	**Source: SA89019-02**									
Prepared & Analyzed: 24-Dec-08										
Benzene	21.2		µg/kg dry		20.0	BRL	106	70-130		
Chlorobenzene	21.8		µg/kg dry		20.0	BRL	109	70-130		
1,1-Dichloroethene	17.8		µg/kg dry		20.0	BRL	89	70-130		
Toluene	22.9		µg/kg dry		20.0	BRL	115	70-130		
Trichloroethene	19.9		µg/kg dry		20.0	BRL	99	70-130		
Surrogate: 4-Bromofluorobenzene	*32.0*		µg/kg dry		*30.0*		*107*	*70-130*		
Surrogate: Toluene-d8	*30.0*		µg/kg dry		*30.0*		*100*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*28.7*		µg/kg dry		*30.0*		*96*	*70-130*		
Surrogate: Dibromofluoromethane	*29.7*		µg/kg dry		*30.0*		*99*	*70-130*		
Matrix Spike Dup (8121855-MSD1)	**Source: SA89019-02**									
Prepared & Analyzed: 24-Dec-08										
Benzene	21.7		µg/kg dry		20.0	BRL	108	70-130	2	30
Chlorobenzene	22.3		µg/kg dry		20.0	BRL	112	70-130	3	30
1,1-Dichloroethene	18.4		µg/kg dry		20.0	BRL	92	70-130	3	30
Toluene	22.2		µg/kg dry		20.0	BRL	111	70-130	3	30
Trichloroethene	20.5		µg/kg dry		20.0	BRL	103	70-130	3	30
Surrogate: 4-Bromofluorobenzene	*32.2*		µg/kg dry		*30.0*		*108*	*70-130*		
Surrogate: Toluene-d8	*30.4*		µg/kg dry		*30.0*		*101*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*30.0*		µg/kg dry		*30.0*		*100*	*70-130*		
Surrogate: Dibromofluoromethane	*29.1*		µg/kg dry		*30.0*		*97*	*70-130*		

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8121658 - SW846 3545A										
Blank (8121658-BLK1)										
Prepared & Analyzed: 22-Dec-08										
Acenaphthene	BRL		µg/kg wet	165						
Acenaphthylene	BRL		µg/kg wet	165						
Aniline	BRL		µg/kg wet	165						
Anthracene	BRL		µg/kg wet	165						
Atrazine	BRL		µg/kg wet	165						
Azobenzene/Diphenyldiazine	BRL		µg/kg wet	165						
Benzidine	BRL		µg/kg wet	165						
Benzo (a) anthracene	BRL		µg/kg wet	165						
Benzo (a) pyrene	BRL		µg/kg wet	165						
Benzo (b) fluoranthene	BRL		µg/kg wet	165						
Benzo (g,h,i) perylene	BRL		µg/kg wet	165						
Benzo (k) fluoranthene	BRL		µg/kg wet	165						
Benzoic acid	BRL		µg/kg wet	165						
Benzyl alcohol	BRL		µg/kg wet	165						
Bis(2-chloroethoxy)methane	BRL		µg/kg wet	165						
Bis(2-chloroethyl)ether	BRL		µg/kg wet	165						
Bis(2-chloroisopropyl)ether	BRL		µg/kg wet	165						
Bis(2-ethylhexyl)phthalate	BRL		µg/kg wet	165						
4-Bromophenyl phenyl ether	BRL		µg/kg wet	165						
Butyl benzyl phthalate	BRL		µg/kg wet	165						
Carbazole	BRL		µg/kg wet	165						
4-Chloro-3-methylphenol	BRL		µg/kg wet	165						
4-Chloroaniline	BRL		µg/kg wet	165						
2-Chloronaphthalene	BRL		µg/kg wet	165						
2-Chlorophenol	BRL		µg/kg wet	165						
4-Chlorophenyl phenyl ether	BRL		µg/kg wet	165						
Chrysene	BRL		µg/kg wet	165						
Dibenzo (a,h) anthracene	BRL		µg/kg wet	165						
Dibenzofuran	BRL		µg/kg wet	165						
1,2-Dichlorobenzene	BRL		µg/kg wet	165						
1,3-Dichlorobenzene	BRL		µg/kg wet	165						
1,4-Dichlorobenzene	BRL		µg/kg wet	165						
3,3´-Dichlorobenzidine	BRL		µg/kg wet	165						
2,4-Dichlorophenol	BRL		µg/kg wet	165						
Diethyl phthalate	BRL		µg/kg wet	165						
Dimethyl phthalate	BRL		µg/kg wet	165						
2,4-Dimethylphenol	BRL		µg/kg wet	165						
Di-n-butyl phthalate	BRL		µg/kg wet	165						
4,6-Dinitro-2-methylphenol	BRL		µg/kg wet	165						
2,4-Dinitrophenol	BRL		µg/kg wet	165						
2,4-Dinitrotoluene	BRL		µg/kg wet	165						
2,6-Dinitrotoluene	BRL		µg/kg wet	165						
Di-n-octyl phthalate	BRL		µg/kg wet	165						
Fluoranthene	BRL		µg/kg wet	165						
Fluorene	BRL		µg/kg wet	165						
Hexachlorobenzene	BRL		µg/kg wet	165						
Hexachlorobutadiene	BRL		µg/kg wet	165						
Hexachlorocyclopentadiene	BRL		µg/kg wet	165						
Hexachloroethane	BRL		µg/kg wet	165						

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8121658 - SW846 3545A										
Blank (8121658-BLK1)										
Prepared & Analyzed: 22-Dec-08										
Indeno (1,2,3-cd) pyrene	BRL		µg/kg wet	165						
Isophorone	BRL		µg/kg wet	165						
1-Methylnaphthalene	BRL		µg/kg wet	165						
2-Methylnaphthalene	BRL		µg/kg wet	165						
2-Methylphenol	BRL		µg/kg wet	165						
3 & 4-Methylphenol	BRL		µg/kg wet	165						
Naphthalene	BRL		µg/kg wet	165						
2-Nitroaniline	BRL		µg/kg wet	165						
3-Nitroaniline	BRL		µg/kg wet	165						
4-Nitroaniline	BRL		µg/kg wet	660						
Nitrobenzene	BRL		µg/kg wet	165						
2-Nitrophenol	BRL		µg/kg wet	165						
4-Nitrophenol	BRL		µg/kg wet	660						
N-Nitrosodimethylamine	BRL		µg/kg wet	165						
N-Nitrosodi-n-propylamine	BRL		µg/kg wet	165						
N-Nitrosodiphenylamine	BRL		µg/kg wet	165						
Pentachlorophenol	BRL		µg/kg wet	165						
Phenanthrene	BRL		µg/kg wet	165						
Phenol	BRL		µg/kg wet	165						
Pyrene	BRL		µg/kg wet	165						
Pyridine	BRL		µg/kg wet	165						
1,2,4-Trichlorobenzene	BRL		µg/kg wet	165						
2,4,5-Trichlorophenol	BRL		µg/kg wet	165						
2,4,6-Trichlorophenol	BRL		µg/kg wet	165						
Pentachloronitrobenzene	BRL		µg/kg wet	165						
1,2,4,5-Tetrachlorobenzene	BRL		µg/kg wet	165						
Surrogate: 2-Fluorobiphenyl	*1500*		µg/kg wet		*1670*		*90*	*30-130*		
Surrogate: 2-Fluorophenol	*1490*		µg/kg wet		*1670*		*89*	*15-110*		
Surrogate: Nitrobenzene-d5	*1390*		µg/kg wet		*1670*		*83*	*30-130*		
Surrogate: Phenol-d5	*1620*		µg/kg wet		*1670*		*97*	*15-110*		
Surrogate: Terphenyl-dl4	*1620*		µg/kg wet		*1670*		*97*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*99.0*	SGC	µg/kg wet		*1670*		*6*	*15-110*		
LCS (8121658-BS1)										
Prepared & Analyzed: 22-Dec-08										
Acenaphthene	1430		µg/kg wet	165	1670		86	40-130		
Acenaphthylene	1480		µg/kg wet	165	1670		89	40-130		
Aniline	595	QC2	µg/kg wet	165	1670		36	40-130		
Anthracene	1560		µg/kg wet	165	1670		94	40-130		
Atrazine	1320		µg/kg wet	165	1670		79	40-130		
Azobenzene/Diphenyldiazine	1580		µg/kg wet	165	1670		95	40-130		
Benzidine	BRL		µg/kg wet	165	1670			0-130		
Benzo (a) anthracene	1630		µg/kg wet	165	1670		98	40-130		
Benzo (a) pyrene	1440		µg/kg wet	165	1670		86	40-130		
Benzo (b) fluoranthene	1440		µg/kg wet	165	1670		86	40-130		
Benzo (g,h,i) perylene	1350		µg/kg wet	165	1670		81	40-130		
Benzo (k) fluoranthene	1520		µg/kg wet	165	1670		91	40-130		
Benzoic acid	1220		µg/kg wet	165	1670		73	3.25-130		
Benzyl alcohol	1370		µg/kg wet	165	1670		82	40-130		
Bis(2-chloroethoxy)methane	1700		µg/kg wet	165	1670		102	40-130		
Bis(2-chloroethyl)ether	1590		µg/kg wet	165	1670		95	40-130		

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8121658 - SW846 3545A										
LCS (8121658-BS1)										
Prepared & Analyzed: 22-Dec-08										
Bis(2-chloroisopropyl)ether	1670		µg/kg wet	165	1670		100	40-130		
Bis(2-ethylhexyl)phthalate	1940		µg/kg wet	165	1670		116	40-130		
4-Bromophenyl phenyl ether	1680		µg/kg wet	165	1670		101	40-130		
Butyl benzyl phthalate	1880		µg/kg wet	165	1670		113	40-130		
Carbazole	1700		µg/kg wet	165	1670		102	40-130		
4-Chloro-3-methylphenol	1590		µg/kg wet	165	1670		95	40-130		
4-Chloroaniline	980		µg/kg wet	165	1670		59	40-130		
2-Chloronaphthalene	1360		µg/kg wet	165	1670		82	40-130		
2-Chlorophenol	1380		µg/kg wet	165	1670		83	40-130		
4-Chlorophenyl phenyl ether	1630		µg/kg wet	165	1670		98	40-130		
Chrysene	1650		µg/kg wet	165	1670		99	40-130		
Dibenzo (a,h) anthracene	1390		µg/kg wet	165	1670		83	40-130		
Dibenzofuran	1390		µg/kg wet	165	1670		83	40-130		
1,2-Dichlorobenzene	1220		µg/kg wet	165	1670		73	40-130		
1,3-Dichlorobenzene	975		µg/kg wet	165	1670		58	40-130		
1,4-Dichlorobenzene	1580		µg/kg wet	165	1670		94	40-130		
3,3'-Dichlorobenzidine	1490		µg/kg wet	165	1670		90	40-130		
2,4-Dichlorophenol	1510		µg/kg wet	165	1670		90	40-130		
Diethyl phthalate	1660		µg/kg wet	165	1670		100	40-130		
Dimethyl phthalate	1660		µg/kg wet	165	1670		99	40-130		
2,4-Dimethylphenol	1430		µg/kg wet	165	1670		86	40-130		
Di-n-butyl phthalate	1750		µg/kg wet	165	1670		105	40-130		
4,6-Dinitro-2-methylphenol	1530		µg/kg wet	165	1670		92	40-130		
2,4-Dinitrophenol	1690		µg/kg wet	165	1670		102	40-130		
2,4-Dinitrotoluene	1510		µg/kg wet	165	1670		91	40-130		
2,6-Dinitrotoluene	1510		µg/kg wet	165	1670		91	40-130		
Di-n-octyl phthalate	1730		µg/kg wet	165	1670		104	40-130		
Fluoranthene	1540		µg/kg wet	165	1670		92	40-130		
Fluorene	1510		µg/kg wet	165	1670		90	40-130		
Hexachlorobenzene	96.3	QC2	µg/kg wet	165	1670		6	40-130		
Hexachlorobutadiene	1300		µg/kg wet	165	1670		78	40-130		
Hexachlorocyclopentadiene	1240		µg/kg wet	165	1670		75	40-130		
Hexachloroethane	1360		µg/kg wet	165	1670		81	40-130		
Indeno (1,2,3-cd) pyrene	1420		µg/kg wet	165	1670		85	40-130		
Isophorone	1470		µg/kg wet	165	1670		88	40-130		
1-Methylnaphthalene	1510		µg/kg wet	165	1670		91	40-140		
2-Methylnaphthalene	1600		µg/kg wet	165	1670		96	40-130		
2-Methylphenol	1350		µg/kg wet	165	1670		81	40-130		
3 & 4-Methylphenol	1500		µg/kg wet	165	1670		90	40-130		
Naphthalene	1410		µg/kg wet	165	1670		85	40-130		
2-Nitroaniline	1670		µg/kg wet	165	1670		100	40-130		
3-Nitroaniline	1270		µg/kg wet	165	1670		76	40-130		
4-Nitroaniline	1500		µg/kg wet	660	1670		90	40-130		
Nitrobenzene	1220		µg/kg wet	165	1670		73	40-130		
2-Nitrophenol	1480		µg/kg wet	165	1670		89	40-130		
4-Nitrophenol	1690		µg/kg wet	660	1670		102	40-130		
N-Nitrosodimethylamine	721		µg/kg wet	165	1670		43	40-130		
N-Nitrosodi-n-propylamine	1630		µg/kg wet	165	1670		98	40-130		
N-Nitrosodiphenylamine	1790		µg/kg wet	165	1670		107	40-130		

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8121658 - SW846 3545A										
LCS (8121658-BS1)										
Prepared & Analyzed: 22-Dec-08										
Pentachlorophenol	1800		µg/kg wet	165	1670		108	40-130		
Phenanthrene	1460		µg/kg wet	165	1670		88	40-130		
Phenol	1390		µg/kg wet	165	1670		84	40-130		
Pyrene	1590		µg/kg wet	165	1670		96	40-130		
Pyridine	144		µg/kg wet	165	1670		9	0-130		
1,2,4-Trichlorobenzene	1290		µg/kg wet	165	1670		77	40-130		
2,4,5-Trichlorophenol	1400		µg/kg wet	165	1670		84	40-130		
2,4,6-Trichlorophenol	1390		µg/kg wet	165	1670		84	40-130		
Pentachloronitrobenzene	1450		µg/kg wet	165	1670		87	40-140		
1,2,4,5-Tetrachlorobenzene	1310		µg/kg wet	165	1670		79	40-140		
Surrogate: 2-Fluorobiphenyl	*1380*		µg/kg wet		*1670*		*83*	*30-130*		
Surrogate: 2-Fluorophenol	*1310*		µg/kg wet		*1670*		*79*	*15-110*		
Surrogate: Nitrobenzene-d5	*1460*		µg/kg wet		*1670*		*88*	*30-130*		
Surrogate: Phenol-d5	*1530*		µg/kg wet		*1670*		*92*	*15-110*		
Surrogate: Terphenyl-dl4	*1530*		µg/kg wet		*1670*		*92*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*126*	SGC	µg/kg wet		*1670*		*8*	*15-110*		
Duplicate (8121658-DUP1)	**Source: SA89019-06**									
Prepared & Analyzed: 22-Dec-08										
Acenaphthene	BRL		µg/kg dry	226		BRL				50
Acenaphthylene	BRL		µg/kg dry	226		BRL				50
Aniline	BRL		µg/kg dry	226		BRL				50
Anthracene	BRL		µg/kg dry	226		112				50
Atrazine	BRL		µg/kg dry	226		BRL				50
Azobenzene/Diphenyldiazine	BRL		µg/kg dry	226		BRL				50
Benzidine	BRL		µg/kg dry	226		BRL				50
Benzo (a) anthracene	50.3	J,QM4	µg/kg dry	226		234			129	50
Benzo (a) pyrene	41.6	J,QM4	µg/kg dry	226		183			126	50
Benzo (b) fluoranthene	45.3	J,QM4	µg/kg dry	226		199			126	50
Benzo (g,h,i) perylene	BRL		µg/kg dry	226		74.8				50
Benzo (k) fluoranthene	40.7	J,QM4	µg/kg dry	226		172			123	50
Benzoic acid	BRL		µg/kg dry	226		BRL				50
Benzyl alcohol	BRL		µg/kg dry	226		BRL				50
Bis(2-chloroethoxy)methane	BRL		µg/kg dry	226		BRL				50
Bis(2-chloroethyl)ether	BRL		µg/kg dry	226		BRL				50
Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	226		BRL				50
Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	226		BRL				50
4-Bromophenyl phenyl ether	BRL		µg/kg dry	226		BRL				50
Butyl benzyl phthalate	BRL		µg/kg dry	226		BRL				50
Carbazole	BRL		µg/kg dry	226		74.8				50
4-Chloro-3-methylphenol	BRL		µg/kg dry	226		BRL				50
4-Chloroaniline	BRL		µg/kg dry	226		BRL				50
2-Chloronaphthalene	BRL		µg/kg dry	226		BRL				50
2-Chlorophenol	BRL		µg/kg dry	226		BRL				50
4-Chlorophenyl phenyl ether	BRL		µg/kg dry	226		BRL				50
Chrysene	66.8	J,QM4	µg/kg dry	226		276			122	50
Dibenzo (a,h) anthracene	BRL		µg/kg dry	226		BRL				50
Dibenzofuran	BRL		µg/kg dry	226		BRL				50
1,2-Dichlorobenzene	BRL		µg/kg dry	226		BRL				50
1,3-Dichlorobenzene	BRL		µg/kg dry	226		BRL				50
1,4-Dichlorobenzene	BRL		µg/kg dry	226		BRL				50

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8121658 - SW846 3545A										
Duplicate (8121658-DUP1)	**Source: SA89019-06**									
Prepared & Analyzed: 22-Dec-08										
3,3'-Dichlorobenzidine	BRL		µg/kg dry	226		BRL				50
2,4-Dichlorophenol	BRL		µg/kg dry	226		BRL				50
Diethyl phthalate	BRL		µg/kg dry	226		BRL				50
Dimethyl phthalate	BRL		µg/kg dry	226		BRL				50
2,4-Dimethylphenol	BRL		µg/kg dry	226		BRL				50
Di-n-butyl phthalate	BRL		µg/kg dry	226		BRL				50
4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	226		BRL				50
2,4-Dinitrophenol	BRL		µg/kg dry	226		BRL				50
2,4-Dinitrotoluene	BRL		µg/kg dry	226		BRL				50
2,6-Dinitrotoluene	BRL		µg/kg dry	226		BRL				50
Di-n-octyl phthalate	BRL		µg/kg dry	226		BRL				50
Fluoranthene	133	J,QM4	µg/kg dry	226		591			127	50
Fluorene	BRL		µg/kg dry	226		BRL				50
Hexachlorobenzene	BRL		µg/kg dry	226		BRL				50
Hexachlorobutadiene	BRL		µg/kg dry	226		BRL				50
Hexachlorocyclopentadiene	BRL		µg/kg dry	226		BRL				50
Hexachloroethane	BRL		µg/kg dry	226		BRL				50
Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	226		88.5				50
1-Methylnaphthalene	BRL		µg/kg dry	226		BRL				50
Isophorone	BRL		µg/kg dry	226		BRL				50
2-Methylnaphthalene	BRL		µg/kg dry	226		BRL				50
2-Methylphenol	BRL		µg/kg dry	226		BRL				50
3 & 4-Methylphenol	BRL		µg/kg dry	226		BRL				50
Naphthalene	BRL		µg/kg dry	226		BRL				50
2-Nitroaniline	BRL		µg/kg dry	226		BRL				50
3-Nitroaniline	BRL		µg/kg dry	226		BRL				50
4-Nitroaniline	BRL		µg/kg dry	906		BRL				50
Nitrobenzene	BRL		µg/kg dry	226		BRL				50
2-Nitrophenol	BRL		µg/kg dry	226		BRL				50
4-Nitrophenol	BRL		µg/kg dry	906		BRL				50
N-Nitrosodimethylamine	BRL		µg/kg dry	226		BRL				50
N-Nitrosodi-n-propylamine	BRL		µg/kg dry	226		BRL				50
N-Nitrosodiphenylamine	BRL		µg/kg dry	226		BRL				50
Pentachlorophenol	BRL		µg/kg dry	226		BRL				50
Phenanthrene	96.5	J,QM4	µg/kg dry	226		501			135	50
Phenol	BRL		µg/kg dry	226		BRL				50
Pyrene	116	J,QM4	µg/kg dry	226		524			128	50
Pyridine	BRL		µg/kg dry	226		BRL				50
1,2,4-Trichlorobenzene	BRL		µg/kg dry	226		BRL				50
2,4,5-Trichlorophenol	BRL		µg/kg dry	226		BRL				50
2,4,6-Trichlorophenol	BRL		µg/kg dry	226		BRL				50
Pentachloronitrobenzene	BRL		µg/kg dry	226		BRL				50
1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	226		BRL				50
Surrogate: 2-Fluorobiphenyl	*818*		µg/kg dry		*2290*		*36*	*30-130*		
Surrogate: 2-Fluorophenol	*854*		µg/kg dry		*2290*		*37*	*15-110*		
Surrogate: Nitrobenzene-d5	*744*		µg/kg dry		*2290*		*33*	*30-130*		
Surrogate: Phenol-d5	*873*		µg/kg dry		*2290*		*38*	*15-110*		
Surrogate: Terphenyl-dl4	*869*		µg/kg dry		*2290*		*38*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*54.4*	SGC	µg/kg dry		*2290*		*2*	*15-110*		

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8121658 - SW846 3545A										
Matrix Spike (8121658-MS1)	**Source: SA89019-06**									
Prepared & Analyzed: 22-Dec-08										
Acenaphthene	2030		µg/kg dry	229	2310	BRL	88	40-140		
Benzo (b) fluoranthene	2230		µg/kg dry	229	2310	199	88	40-140		
Benzo (k) fluoranthene	2390		µg/kg dry	229	2310	172	96	40-140		
4-Chloro-3-methylphenol	2250		µg/kg dry	229	2310	BRL	98	30-130		
2-Chlorophenol	1920		µg/kg dry	229	2310	BRL	83	30-130		
Chrysene	2390		µg/kg dry	229	2310	276	92	40-140		
1,4-Dichlorobenzene	1460		µg/kg dry	229	2310	BRL	63	40-140		
Indeno (1,2,3-cd) pyrene	1500		µg/kg dry	229	2310	88.5	61	40-140		
Naphthalene	2040		µg/kg dry	229	2310	BRL	89	40-140		
4-Nitrophenol	2440		µg/kg dry	914	2310	BRL	106	30-130		
N-Nitrosodi-n-propylamine	2250		µg/kg dry	229	2310	BRL	98	40-140		
Pentachlorophenol	2740		µg/kg dry	229	2310	BRL	119	30-130		
Phenol	1950		µg/kg dry	229	2310	BRL	85	30-130		
Pyrene	2310		µg/kg dry	229	2310	524	77	40-140		
1,2,4-Trichlorobenzene	1900		µg/kg dry	229	2310	BRL	82	40-140		
Surrogate: 2-Fluorobiphenyl	*1910*		µg/kg dry		*2310*		*83*	*30-130*		
Surrogate: 2-Fluorophenol	*1810*		µg/kg dry		*2310*		*78*	*15-110*		
Surrogate: Nitrobenzene-d5	*2060*		µg/kg dry		*2310*		*89*	*30-130*		
Surrogate: Phenol-d5	*2030*		µg/kg dry		*2310*		*88*	*15-110*		
Surrogate: Terphenyl-dl4	*2070*		µg/kg dry		*2310*		*90*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*181*	SGC	µg/kg dry		*2310*		*8*	*15-110*		
Matrix Spike Dup (8121658-MSD1)	**Source: SA89019-06**									
Prepared & Analyzed: 22-Dec-08										
Acenaphthene	1890		µg/kg dry	229	2310	BRL	82	40-140	7	30
Benzo (b) fluoranthene	2140		µg/kg dry	229	2310	199	84	40-140	4	30
Benzo (k) fluoranthene	2130		µg/kg dry	229	2310	172	85	40-140	12	30
4-Chloro-3-methylphenol	1970		µg/kg dry	229	2310	BRL	85	30-130	13	30
2-Chlorophenol	1750		µg/kg dry	229	2310	BRL	76	30-130	10	30
Chrysene	2240		µg/kg dry	229	2310	276	85	40-140	8	30
1,4-Dichlorobenzene	1330		µg/kg dry	229	2310	BRL	58	40-140	9	30
Indeno (1,2,3-cd) pyrene	1360		µg/kg dry	229	2310	88.5	55	40-140	11	30
Naphthalene	1870		µg/kg dry	229	2310	BRL	81	40-140	9	30
4-Nitrophenol	2700		µg/kg dry	915	2310	BRL	117	30-130	10	30
N-Nitrosodi-n-propylamine	2020		µg/kg dry	229	2310	BRL	87	40-140	11	30
Pentachlorophenol	3030	QM7	µg/kg dry	229	2310	BRL	131	30-130	10	30
Phenol	1780		µg/kg dry	229	2310	BRL	77	30-130	9	30
Pyrene	2220		µg/kg dry	229	2310	524	74	40-140	5	30
1,2,4-Trichlorobenzene	1720		µg/kg dry	229	2310	BRL	74	40-140	10	30
Surrogate: 2-Fluorobiphenyl	*1730*		µg/kg dry		*2310*		*75*	*30-130*		
Surrogate: 2-Fluorophenol	*1630*		µg/kg dry		*2310*		*70*	*15-110*		
Surrogate: Nitrobenzene-d5	*1820*		µg/kg dry		*2310*		*79*	*30-130*		
Surrogate: Phenol-d5	*1810*		µg/kg dry		*2310*		*78*	*15-110*		
Surrogate: Terphenyl-dl4	*1850*		µg/kg dry		*2310*		*80*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*160*	SGC	µg/kg dry		*2310*		*7*	*15-110*		

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8121652 - SW846 3550B										
Blank (8121652-BLK1)										
Prepared: 20-Dec-08 Analyzed: 22-Dec-08										
2,4,5-T	BRL		µg/kg wet	6.70						
2,4,5-T [2C]	BRL		µg/kg wet	6.70						
2,4,5-TP (Silvex)	BRL		µg/kg wet	6.70						
2,4,5-TP (Silvex) [2C]	BRL		µg/kg wet	6.70						
2,4-D	BRL		µg/kg wet	6.70						
2,4-D [2C]	BRL		µg/kg wet	6.70						
2,4-DB	BRL		µg/kg wet	6.70						
2,4-DB [2C]	BRL		µg/kg wet	6.70						
Dalapon	BRL		µg/kg wet	6.70						
Dalapon [2C]	BRL		µg/kg wet	6.70						
Dicamba	BRL		µg/kg wet	6.70						
Dicamba [2C]	BRL		µg/kg wet	6.70						
Dichlorprop	BRL		µg/kg wet	6.70						
Dichlorprop [2C]	BRL		µg/kg wet	6.70						
Dinoseb	BRL		µg/kg wet	6.70						
Dinoseb [2C]	BRL		µg/kg wet	6.70						
MCPA	BRL		µg/kg wet	670						
MCPA [2C]	BRL		µg/kg wet	670						
MCPB	BRL		µg/kg wet	670						
MCPB [2C]	BRL		µg/kg wet	670						
MCPP	BRL		µg/kg wet	670						
MCPP [2C]	BRL		µg/kg wet	670						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*15.4*		µg/kg wet		*13.3*		*116*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [:	*17.5*		µg/kg wet		*13.3*		*132*	*30-150*		
LCS (8121652-BS1)										
Prepared: 20-Dec-08 Analyzed: 22-Dec-08										
2,4,5-T	31.8		µg/kg wet	6.70	33.3		95	40-140		
2,4,5-T [2C]	30.1		µg/kg wet	6.70	33.3		90	40-140		
2,4,5-TP (Silvex)	32.2		µg/kg wet	6.70	33.3		97	40-140		
2,4,5-TP (Silvex) [2C]	31.1		µg/kg wet	6.70	33.3		93	40-140		
2,4-D	30.7		µg/kg wet	6.70	33.3		92	40-140		
2,4-D [2C]	26.7		µg/kg wet	6.70	33.3		80	40-140		
2,4-DB	26.6		µg/kg wet	6.70	33.3		80	40-140		
2,4-DB [2C]	25.0		µg/kg wet	6.70	33.3		75	40-140		
Dalapon	22.0		µg/kg wet	6.70	33.3		66	40-140		
Dalapon [2C]	22.9		µg/kg wet	6.70	33.3		69	40-140		
Dicamba	30.8		µg/kg wet	6.70	33.3		92	40-140		
Dicamba [2C]	32.2		µg/kg wet	6.70	33.3		97	40-140		
Dichlorprop	33.5		µg/kg wet	6.70	33.3		101	40-140		
Dichlorprop [2C]	31.6		µg/kg wet	6.70	33.3		95	40-140		
Dinoseb	34.0		µg/kg wet	6.70	33.3		102	40-140		
Dinoseb [2C]	35.5		µg/kg wet	6.70	33.3		107	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*15.4*		µg/kg wet		*13.3*		*116*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [:	*17.6*		µg/kg wet		*13.3*		*132*	*30-150*		
LCS (8121652-BS2)										
Prepared: 20-Dec-08 Analyzed: 22-Dec-08										
MCPA	9270		µg/kg wet	670	10000		93	40-140		
MCPA [2C]	11100		µg/kg wet	670	10000		111	40-140		
MCPB	9600		µg/kg wet	670	10000		96	40-140		

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8121652 - SW846 3550B										
LCS (8121652-BS2)										
Prepared: 20-Dec-08 Analyzed: 22-Dec-08										
MCPB [2C]	10900		µg/kg wet	670	10000		109	40-140		
MCPP	9470		µg/kg wet	670	10000		95	40-140		
MCPP [2C]	8800		µg/kg wet	670	10000		88	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*16.9*		µg/kg wet		*13.3*		*127*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [	*17.9*		µg/kg wet		*13.3*		*134*	*30-150*		
LCS Dup (8121652-BSD1)										
Prepared: 20-Dec-08 Analyzed: 22-Dec-08										
2,4,5-T	33.0		µg/kg wet	6.70	33.3		99	40-140	4	25
2,4,5-T [2C]	31.5		µg/kg wet	6.70	33.3		95	40-140	5	25
2,4,5-TP (Silvex)	32.6		µg/kg wet	6.70	33.3		98	40-140	1	25
2,4,5-TP (Silvex) [2C]	31.9		µg/kg wet	6.70	33.3		96	40-140	3	25
2,4-D	26.7		µg/kg wet	6.70	33.3		80	40-140	14	25
2,4-D [2C]	27.0		µg/kg wet	6.70	33.3		81	40-140	1	25
2,4-DB	28.4		µg/kg wet	6.70	33.3		85	40-140	7	25
2,4-DB [2C]	27.6		µg/kg wet	6.70	33.3		83	40-140	10	25
Dalapon	22.3		µg/kg wet	6.70	33.3		67	40-140	2	25
Dalapon [2C]	23.5		µg/kg wet	6.70	33.3		70	40-140	2	25
Dicamba	29.1		µg/kg wet	6.70	33.3		87	40-140	6	25
Dicamba [2C]	33.2		µg/kg wet	6.70	33.3		100	40-140	3	25
Dichlorprop	32.9		µg/kg wet	6.70	33.3		99	40-140	2	25
Dichlorprop [2C]	29.3		µg/kg wet	6.70	33.3		88	40-140	8	25
Dinoseb	34.5		µg/kg wet	6.70	33.3		103	40-140	1	25
Dinoseb [2C]	37.3		µg/kg wet	6.70	33.3		112	40-140	5	25
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*15.6*		µg/kg wet		*13.3*		*117*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [	*18.1*		µg/kg wet		*13.3*		*136*	*30-150*		
LCS Dup (8121652-BSD2)										
Prepared: 20-Dec-08 Analyzed: 22-Dec-08										
MCPA	8730		µg/kg wet	670	10000		87	40-140	6	25
MCPA [2C]	10700		µg/kg wet	670	10000		107	40-140	4	25
MCPB	10100		µg/kg wet	670	10000		101	40-140	5	25
MCPB [2C]	10900		µg/kg wet	670	10000		109	40-140	0.6	25
MCPP	9930		µg/kg wet	670	10000		99	40-140	5	25
MCPP [2C]	8930		µg/kg wet	670	10000		89	40-140	2	25
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*15.9*		µg/kg wet		*13.3*		*120*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [	*17.0*		µg/kg wet		*13.3*		*128*	*30-150*		
Duplicate (8121652-DUP1) **Source: SA88894-08**										
Prepared: 20-Dec-08 Analyzed: 22-Dec-08										
2,4,5-T	BRL		µg/kg dry	6.70		BRL				30
2,4,5-T [2C]	BRL		µg/kg dry	6.70		BRL				30
2,4,5-TP (Silvex)	BRL		µg/kg dry	6.70		BRL				30
2,4,5-TP (Silvex) [2C]	BRL		µg/kg dry	6.70		BRL				30
2,4-D	BRL		µg/kg dry	6.70		BRL				30
2,4-D [2C]	BRL		µg/kg dry	6.70		BRL				30
2,4-DB	BRL		µg/kg dry	6.70		BRL				30
2,4-DB [2C]	BRL		µg/kg dry	6.70		BRL				30
Dalapon	BRL		µg/kg dry	6.70		BRL				30
Dalapon [2C]	BRL		µg/kg dry	6.70		BRL				30
Dicamba	BRL		µg/kg dry	6.70		BRL				30
Dicamba [2C]	BRL		µg/kg dry	6.70		BRL				30

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8121652 - SW846 3550B										
Duplicate (8121652-DUP1) **Source: SA88894-08**										
Prepared: 20-Dec-08 Analyzed: 22-Dec-08										
Dichlorprop	BRL		µg/kg dry	6.70		BRL				30
Dichlorprop [2C]	BRL		µg/kg dry	6.70		BRL				30
Dinoseb	BRL		µg/kg dry	6.70		BRL				30
Dinoseb [2C]	BRL		µg/kg dry	6.70		BRL				30
MCPA	BRL		µg/kg dry	670		BRL				30
MCPA [2C]	BRL		µg/kg dry	670		BRL				30
MCPB	BRL		µg/kg dry	670		BRL				30
MCPB [2C]	BRL		µg/kg dry	670		BRL				30
MCPP	BRL		µg/kg dry	670		BRL				30
MCPP [2C]	BRL		µg/kg dry	670		BRL				30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*11.1*		µg/kg dry		*14.6*		*76*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [	*13.2*		µg/kg dry		*14.6*		*91*	*30-150*		
Batch 8121661 - SW846 3550B										
Blank (8121661-BLK1)										
Prepared: 22-Dec-08 Analyzed: 23-Dec-08										
PCB 1016	BRL		µg/kg wet	20.0						
PCB 1221	BRL		µg/kg wet	20.0						
PCB 1232	BRL		µg/kg wet	20.0						
PCB 1242	BRL		µg/kg wet	20.0						
PCB 1248	BRL		µg/kg wet	20.0						
PCB 1254	BRL		µg/kg wet	20.0						
PCB 1260	BRL		µg/kg wet	20.0						
PCB 1262	BRL		µg/kg wet	20.0						
PCB 1268	BRL		µg/kg wet	20.0						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*17.0*		µg/kg wet		*20.0*		*85*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*28.0*		µg/kg wet		*20.0*		*140*	*30-150*		
LCS (8121661-BS1)										
Prepared: 22-Dec-08 Analyzed: 23-Dec-08										
PCB 1016	251		µg/kg wet	20.0	250		100	40-140		
PCB 1260	245		µg/kg wet	20.0	250		98	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*17.0*		µg/kg wet		*20.0*		*85*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*24.0*		µg/kg wet		*20.0*		*120*	*30-150*		
LCS Dup (8121661-BSD1)										
Prepared: 22-Dec-08 Analyzed: 24-Dec-08										
PCB 1016	250		µg/kg wet	20.0	250		100	40-140	0.4	30
PCB 1260	256		µg/kg wet	20.0	250		102	40-140	4	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*17.0*		µg/kg wet		*20.0*		*85*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*25.0*		µg/kg wet		*20.0*		*125*	*30-150*		
Duplicate (8121661-DUP1) **Source: SA88894-10**										
Prepared: 22-Dec-08 Analyzed: 24-Dec-08										
PCB 1016	BRL		µg/kg dry	20.0		BRL				40
PCB 1221	BRL		µg/kg dry	20.0		BRL				40
PCB 1232	BRL		µg/kg dry	20.0		BRL				40
PCB 1242	BRL		µg/kg dry	20.0		BRL				40
PCB 1248	BRL		µg/kg dry	20.0		BRL				40
PCB 1254	BRL		µg/kg dry	20.0		BRL				40
PCB 1260	BRL		µg/kg dry	20.0		BRL				40
PCB 1262	BRL		µg/kg dry	20.0		BRL				40
PCB 1268	BRL		µg/kg dry	20.0		BRL				40

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8121661 - SW846 3550B										
Duplicate (8121661-DUP1) **Source: SA88894-10**										
Prepared: 22-Dec-08 Analyzed: 24-Dec-08										
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*16.9*		µg/kg dry		*19.9*		*85*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*23.9*		µg/kg dry		*19.9*		*120*	*30-150*		
Matrix Spike (8121661-MS1) **Source: SA88894-10**										
Prepared: 22-Dec-08 Analyzed: 24-Dec-08										
PCB 1016	233		µg/kg dry	19.7	246	BRL	95	40-140		
PCB 1260	261		µg/kg dry	19.7	246	BRL	106	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*16.7*		µg/kg dry		*19.7*		*85*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*24.6*		µg/kg dry		*19.7*		*125*	*30-150*		
Matrix Spike Dup (8121661-MSD1) **Source: SA88894-10**										
Prepared: 22-Dec-08 Analyzed: 24-Dec-08										
PCB 1016	244		µg/kg dry	20.4	255	BRL	96	40-140	0.8	50
PCB 1260	276		µg/kg dry	20.4	255	BRL	108	40-140	2	50
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*17.4*		µg/kg dry		*20.4*		*85*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*23.5*		µg/kg dry		*20.4*		*115*	*30-150*		
Batch 8121748 - SW846 3550B										
Blank (8121748-BLK1)										
Prepared: 23-Dec-08 Analyzed: 26-Dec-08										
2,4,5-T	BRL		µg/kg wet	6.70						
2,4,5-T [2C]	BRL		µg/kg wet	6.70						
2,4,5-TP (Silvex)	BRL		µg/kg wet	6.70						
2,4,5-TP (Silvex) [2C]	BRL		µg/kg wet	6.70						
2,4-D	BRL		µg/kg wet	6.70						
2,4-D [2C]	BRL		µg/kg wet	6.70						
2,4-DB	BRL		µg/kg wet	6.70						
2,4-DB [2C]	BRL		µg/kg wet	6.70						
Dalapon	BRL		µg/kg wet	6.70						
Dalapon [2C]	BRL		µg/kg wet	6.70						
Dicamba	BRL		µg/kg wet	6.70						
Dicamba [2C]	BRL		µg/kg wet	6.70						
Dichlorprop	BRL		µg/kg wet	6.70						
Dichlorprop [2C]	BRL		µg/kg wet	6.70						
Dinoseb	BRL		µg/kg wet	6.70						
Dinoseb [2C]	BRL		µg/kg wet	6.70						
MCPA	BRL		µg/kg wet	670						
MCPA [2C]	BRL		µg/kg wet	670						
MCPB	BRL		µg/kg wet	670						
MCPB [2C]	BRL		µg/kg wet	670						
MCPP	BRL		µg/kg wet	670						
MCPP [2C]	BRL		µg/kg wet	670						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*11.8*		µg/kg wet		*13.3*		*89*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [.	*14.6*		µg/kg wet		*13.3*		*110*	*30-150*		
LCS (8121748-BS1)										
Prepared: 23-Dec-08 Analyzed: 26-Dec-08										
2,4,5-T	15.9		µg/kg wet	6.70	33.3		48	40-140		
2,4,5-T [2C]	15.8		µg/kg wet	6.70	33.3		47	40-140		
2,4,5-TP (Silvex)	15.8		µg/kg wet	6.70	33.3		47	40-140		
2,4,5-TP (Silvex) [2C]	16.8		µg/kg wet	6.70	33.3		50	40-140		
2,4-D	19.2		µg/kg wet	6.70	33.3		58	40-140		
2,4-D [2C]	16.5		µg/kg wet	6.70	33.3		50	40-140		

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8121748 - SW846 3550B										
LCS (8121748-BS1)										
Prepared: 23-Dec-08 Analyzed: 26-Dec-08										
2,4-DB	16.1		µg/kg wet	6.70	33.3		48	40-140		
2,4-DB [2C]	43.4		µg/kg wet	6.70	33.3		130	40-140		
Dalapon	16.8		µg/kg wet	6.70	33.3		50	40-140		
Dalapon [2C]	17.7		µg/kg wet	6.70	33.3		53	40-140		
Dicamba	16.0		µg/kg wet	6.70	33.3		48	40-140		
Dicamba [2C]	16.1		µg/kg wet	6.70	33.3		48	40-140		
Dichlorprop	15.9		µg/kg wet	6.70	33.3		48	40-140		
Dichlorprop [2C]	15.7		µg/kg wet	6.70	33.3		47	40-140		
Dinoseb	17.0		µg/kg wet	6.70	33.3		51	40-140		
Dinoseb [2C]	17.9		µg/kg wet	6.70	33.3		54	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*11.8*		µg/kg wet		*13.3*		*89*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [	*13.7*		µg/kg wet		*13.3*		*102*	*30-150*		
LCS (8121748-BS2)										
Prepared: 23-Dec-08 Analyzed: 26-Dec-08										
MCPA	6800		µg/kg wet	670	10000		68	40-140		
MCPA [2C]	8270		µg/kg wet	670	10000		83	40-140		
MCPB	6930		µg/kg wet	670	10000		69	40-140		
MCPB [2C]	8400		µg/kg wet	670	10000		84	40-140		
MCPP	7530		µg/kg wet	670	10000		75	40-140		
MCPP [2C]	7470		µg/kg wet	670	10000		75	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*15.5*		µg/kg wet		*13.3*		*116*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [	*19.3*		µg/kg wet		*13.3*		*145*	*30-150*		
LCS Dup (8121748-BSD1)										
Prepared: 23-Dec-08 Analyzed: 26-Dec-08										
2,4,5-T	16.5		µg/kg wet	6.70	33.3		49	40-140	4	25
2,4,5-T [2C]	17.6		µg/kg wet	6.70	33.3		53	40-140	11	25
2,4,5-TP (Silvex)	17.1		µg/kg wet	6.70	33.3		51	40-140	8	25
2,4,5-TP (Silvex) [2C]	19.8		µg/kg wet	6.70	33.3		59	40-140	16	25
2,4-D	18.9		µg/kg wet	6.70	33.3		57	40-140	2	25
2,4-D [2C]	18.7		µg/kg wet	6.70	33.3		56	40-140	12	25
2,4-DB	15.9		µg/kg wet	6.70	33.3		48	40-140	1	25
2,4-DB [2C]	62.9	Z-2	µg/kg wet	6.70	33.3		189	40-140	37	25
Dalapon	16.0		µg/kg wet	6.70	33.3		48	40-140	5	25
Dalapon [2C]	16.7		µg/kg wet	6.70	33.3		50	40-140	6	25
Dicamba	16.7		µg/kg wet	6.70	33.3		50	40-140	4	25
Dicamba [2C]	16.3		µg/kg wet	6.70	33.3		49	40-140	2	25
Dichlorprop	16.9		µg/kg wet	6.70	33.3		51	40-140	6	25
Dichlorprop [2C]	17.8		µg/kg wet	6.70	33.3		53	40-140	13	25
Dinoseb	17.6		µg/kg wet	6.70	33.3		53	40-140	3	25
Dinoseb [2C]	20.3		µg/kg wet	6.70	33.3		61	40-140	13	25
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*13.0*		µg/kg wet		*13.3*		*98*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [	*15.3*		µg/kg wet		*13.3*		*115*	*30-150*		
LCS Dup (8121748-BSD2)										
Prepared: 23-Dec-08 Analyzed: 26-Dec-08										
MCPA	6070		µg/kg wet	670	10000		61	40-140	11	25
MCPA [2C]	7130		µg/kg wet	670	10000		71	40-140	15	25
MCPB	7470		µg/kg wet	670	10000		75	40-140	7	25
MCPB [2C]	7200		µg/kg wet	670	10000		72	40-140	15	25
MCPP	7870		µg/kg wet	670	10000		79	40-140	4	25

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8121748 - SW846 3550B										
LCS Dup (8121748-BSD2)										
Prepared: 23-Dec-08 Analyzed: 26-Dec-08										
MCPP [2C]	6470		µg/kg wet	670	10000		65	40-140	14	25
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*16.1*		µg/kg wet		*13.3*		*120*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [	*17.0*		µg/kg wet		*13.3*		*128*	*30-150*		
Duplicate (8121748-DUP1) **Source: SA89114-06**										
Prepared: 23-Dec-08 Analyzed: 26-Dec-08										
2,4,5-T	BRL		µg/kg dry	6.70		BRL				30
2,4,5-T [2C]	BRL		µg/kg dry	6.70		BRL				30
2,4,5-TP (Silvex)	BRL		µg/kg dry	6.70		BRL				30
2,4,5-TP (Silvex) [2C]	BRL		µg/kg dry	6.70		BRL				30
2,4-D	BRL		µg/kg dry	6.70		BRL				30
2,4-D [2C]	BRL		µg/kg dry	6.70		BRL				30
2,4-DB	BRL		µg/kg dry	6.70		BRL				30
2,4-DB [2C]	BRL		µg/kg dry	6.70		BRL				30
Dalapon	BRL		µg/kg dry	6.70		BRL				30
Dalapon [2C]	BRL		µg/kg dry	6.70		BRL				30
Dicamba	BRL		µg/kg dry	6.70		BRL				30
Dicamba [2C]	BRL		µg/kg dry	6.70		BRL				30
Dichlorprop	BRL		µg/kg dry	6.70		BRL				30
Dichlorprop [2C]	BRL		µg/kg dry	6.70		BRL				30
Dinoseb	BRL		µg/kg dry	6.70		BRL				30
Dinoseb [2C]	BRL		µg/kg dry	6.70		BRL				30
MCPA	BRL		µg/kg dry	670		BRL				30
MCPA [2C]	BRL		µg/kg dry	670		BRL				30
MCPB	BRL		µg/kg dry	670		BRL				30
MCPB [2C]	BRL		µg/kg dry	670		BRL				30
MCPP	BRL		µg/kg dry	670		BRL				30
MCPP [2C]	BRL		µg/kg dry	670		BRL				30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*11.9*		µg/kg dry		*14.8*		*81*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [	*14.3*		µg/kg dry		*14.8*		*97*	*30-150*		

Extractable Petroleum Hydrocarbons - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8121660 - SW846 3550B										
Blank (8121660-BLK1)										
Prepared: 22-Dec-08 Analyzed: 23-Dec-08										
Gasoline	BRL		mg/kg wet	13.3						
Fuel Oil #2	BRL		mg/kg wet	13.3						
Fuel Oil #4	BRL		mg/kg wet	13.3						
Fuel Oil #6	BRL		mg/kg wet	13.3						
Motor Oil	BRL		mg/kg wet	13.3						
Aviation Fuel	BRL		mg/kg wet	13.3						
Unidentified	BRL		mg/kg wet	13.3						
Other Oil	BRL		mg/kg wet	13.3						
Total Petroleum Hydrocarbons	BRL		mg/kg wet	13.3						
C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg wet	13.3						
Surrogate: 1-Chlorooctadecane	*2.98*		mg/kg wet		*3.33*		*89*	*50-150*		
LCS (8121660-BS1)										
Prepared: 22-Dec-08 Analyzed: 23-Dec-08										
C9-C36 Aliphatic Hydrocarbons	84.8		mg/kg wet	13.3	93.3		91	60-120		
Surrogate: 1-Chlorooctadecane	*2.42*		mg/kg wet		*3.33*		*72*	*50-150*		
Duplicate (8121660-DUP1) **Source: SA89019-06**										
Prepared: 22-Dec-08 Analyzed: 23-Dec-08										
Gasoline	BRL		mg/kg dry	18.3		BRL				50
Fuel Oil #2	BRL		mg/kg dry	18.3		BRL				50
Fuel Oil #4	BRL		mg/kg dry	18.3		BRL				50
Fuel Oil #6	BRL		mg/kg dry	18.3		BRL				50
Motor Oil	BRL		mg/kg dry	18.3		BRL				50
Aviation Fuel	BRL		mg/kg dry	18.3		BRL				50
Unidentified	73.2		mg/kg dry	18.3		61.6			17	50
Other Oil	Calculated as		mg/kg dry	18.3		Calculated a				50
Total Petroleum Hydrocarbons	73.2		mg/kg dry	18.3		61.6			17	50
C9-C36 Aliphatic Hydrocarbons	73.2		mg/kg dry	18.3		61.6			17	50
Surrogate: 1-Chlorooctadecane	*1.96*		mg/kg dry		*2.29*		*86*	*50-150*		
Matrix Spike (8121660-MS1) **Source: SA89019-06**										
Prepared: 22-Dec-08 Analyzed: 23-Dec-08										
C9-C36 Aliphatic Hydrocarbons	145		mg/kg dry	18.5	130	61.6	65	50-150		
Surrogate: 1-Chlorooctadecane	*3.58*		mg/kg dry		*4.63*		*77*	*50-150*		
Matrix Spike Dup (8121660-MSD1) **Source: SA89019-06**										
Prepared: 22-Dec-08 Analyzed: 23-Dec-08										
C9-C36 Aliphatic Hydrocarbons	137		mg/kg dry	18.4	129	61.6	58	50-150	11	30
Surrogate: 1-Chlorooctadecane	*3.91*		mg/kg dry		*4.61*		*85*	*50-150*		

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

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8121547 - SW846 3050B										
Blank (8121547-BLK1)										
Prepared: 26-Dec-08 Analyzed: 29-Dec-08										
Selenium	BRL		mg/kg wet	1.43						
Lead	BRL		mg/kg wet	1.43						
Cadmium	BRL		mg/kg wet	0.477						
Chromium	BRL		mg/kg wet	0.955						
Arsenic	BRL		mg/kg wet	1.43						
Silver	BRL		mg/kg wet	1.43						
Barium	BRL		mg/kg wet	0.955						
Duplicate (8121547-DUP1) **Source: SA89019-03**										
Prepared: 26-Dec-08 Analyzed: 29-Dec-08										
Lead	55.7		mg/kg dry	1.75		54.3			3	20
Selenium	2.65		mg/kg dry	1.75		2.65			0.09	20
Arsenic	3.82		mg/kg dry	1.75		3.24			16	20
Silver	BRL		mg/kg dry	1.75		BRL				20
Chromium	12.9		mg/kg dry	1.17		12.6			2	20
Cadmium	0.455	J	mg/kg dry	0.583		0.431			5	20
Barium	66.2		mg/kg dry	1.17		64.0			3	20
Matrix Spike (8121547-MS1) **Source: SA89019-04**										
Prepared: 26-Dec-08 Analyzed: 29-Dec-08										
Lead	171		mg/kg dry	1.75	146	44.6	87	75-125		
Selenium	140		mg/kg dry	1.75	146	4.13	94	75-125		
Chromium	153		mg/kg dry	1.17	146	17.3	93	75-125		
Cadmium	141		mg/kg dry	0.583	146	0.565	96	75-125		
Arsenic	137		mg/kg dry	1.75	146	3.19	92	75-125		
Silver	119		mg/kg dry	1.75	146	BRL	82	75-125		
Barium	3260	QM2	mg/kg dry	1.17	146	2780	328	75-125		
Matrix Spike Dup (8121547-MSD1) **Source: SA89019-04**										
Prepared: 26-Dec-08 Analyzed: 29-Dec-08										
Lead	178		mg/kg dry	1.88	157	44.6	85	75-125	4	20
Selenium	152		mg/kg dry	1.88	157	4.13	94	75-125	8	20
Cadmium	152		mg/kg dry	0.628	157	0.565	97	75-125	8	20
Chromium	167		mg/kg dry	1.26	157	17.3	95	75-125	8	20
Arsenic	148		mg/kg dry	1.88	157	3.19	92	75-125	8	20
Silver	124		mg/kg dry	1.88	157	BRL	79	75-125	4	20
Barium	4160	QM2	mg/kg dry	1.26	157	2780	879	75-125	24	20
Post Spike (8121547-PS1) **Source: SA89019-04**										
Prepared: 26-Dec-08 Analyzed: 29-Dec-08										
Selenium	139		mg/kg dry	1.71	143	4.13	94	80-120		
Lead	165		mg/kg dry	1.71	143	44.6	85	80-120		
Chromium	149		mg/kg dry	1.14	143	17.3	92	80-120		
Silver	137		mg/kg dry	1.71	143	BRL	96	80-120		
Arsenic	137		mg/kg dry	1.71	143	3.19	94	80-120		
Cadmium	139		mg/kg dry	0.571	143	0.565	97	80-120		
Barium	3470	QM2	mg/kg dry	1.14	143	2780	479	80-120		
Reference (8121547-SRM1)										
Prepared: 26-Dec-08 Analyzed: 29-Dec-08										
Lead	41.1		mg/kg wet	1.50	43.6		94	78.8-120.9		
Selenium	132		mg/kg wet	1.50	145		91	76.6-123.1		

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

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8121547 - SW846 3050B										
Reference (8121547-SRM1)										
Prepared: 26-Dec-08 Analyzed: 29-Dec-08										
Chromium	112		mg/kg wet	1.00	120		93	79.7-120.3		
Arsenic	48.0		mg/kg wet	1.50	52.7		91	77.6-123.1		
Cadmium	27.9		mg/kg wet	0.500	30.8		91	80.9-119.3		
Silver	14.3		mg/kg wet	1.50	15.3		94	66.4-133.6		
Barium	94.4		mg/kg wet	1.00	100		94	79.8-119.7		
Reference (8121547-SRM2)										
Prepared: 26-Dec-08 Analyzed: 29-Dec-08										
Selenium	133		mg/kg wet	1.50	144		92	76.6-123.1		
Lead	38.5		mg/kg wet	1.50	43.3		89	78.8-120.9		
Arsenic	47.1		mg/kg wet	1.50	52.3		90	77.6-123.1		
Silver	13.6		mg/kg wet	1.50	15.1		90	66.4-133.6		
Cadmium	28.2		mg/kg wet	0.500	30.5		92	80.9-119.3		
Chromium	110		mg/kg wet	1.00	119		92	79.7-120.3		
Barium	91.2		mg/kg wet	1.00	99.6		92	79.8-119.7		
Batch 8121548 - EPA200/SW7000 Series										
Blank (8121548-BLK1)										
Prepared: 26-Dec-08 Analyzed: 30-Dec-08										
Mercury	BRL		mg/kg wet	0.0287						
Duplicate (8121548-DUP1) **Source: SA89019-03**										
Prepared: 26-Dec-08 Analyzed: 30-Dec-08										
Mercury	0.181	QR6	mg/kg dry	0.0317		0.103			55	20
Matrix Spike (8121548-MS1) **Source: SA89019-04**										
Prepared: 26-Dec-08 Analyzed: 30-Dec-08										
Mercury	0.542		mg/kg dry	0.0366	0.508	0.0316	100	75-125		
Matrix Spike Dup (8121548-MSD1) **Source: SA89019-04**										
Prepared: 26-Dec-08 Analyzed: 30-Dec-08										
Mercury	0.528		mg/kg dry	0.0363	0.504	0.0316	98	75-125	3	20
Post Spike (8121548-PS1) **Source: SA89019-04**										
Prepared: 26-Dec-08 Analyzed: 30-Dec-08										
Mercury	0.541		mg/kg dry	0.0367	0.509	0.0316	100	80-120		
Reference (8121548-SRM1)										
Prepared: 26-Dec-08 Analyzed: 30-Dec-08										
Mercury	1.97		mg/kg wet	0.0300	2.13		93	71.7-128.8		

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

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9020349 - SW846 3050B Mod.										
Blank (9020349-BLK1)										
Prepared & Analyzed: 06-Feb-09										
Lead	BRL		mg/l	0.0075						
Barium	BRL		mg/l	0.0050						
LCS (9020349-BS1)										
Prepared & Analyzed: 06-Feb-09										
Lead	1.23		mg/l	0.0075	1.25		98	85-115		
Barium	1.23		mg/l	0.0050	1.25		99	85-115		
LCS Dup (9020349-BSD1)										
Prepared & Analyzed: 06-Feb-09										
Lead	1.22		mg/l	0.0075	1.25		98	85-115	0.5	20
Barium	1.22		mg/l	0.0050	1.25		97	85-115	1	20
Duplicate (9020349-DUP1)	**Source: SA89497-05**									
Prepared & Analyzed: 06-Feb-09										
Lead	0.0238		mg/l	0.0075		0.0226			5	20
Barium	0.204		mg/l	0.0050		0.198			3	20
Matrix Spike (9020349-MS1)	**Source: SA89650-04**									
Prepared & Analyzed: 06-Feb-09										
Lead	1.26		mg/l	0.0075	1.25	0.0076	100	75-125		
Barium	1.42		mg/l	0.0050	1.25	0.177	100	75-125		
Matrix Spike Dup (9020349-MSD1)	**Source: SA89650-04**									
Prepared & Analyzed: 06-Feb-09										
Lead	1.26		mg/l	0.0075	1.25	0.0076	100	75-125	0.08	20
Barium	1.42		mg/l	0.0050	1.25	0.177	99	75-125	0.4	20
Post Spike (9020349-PS1)	**Source: SA89650-04**									
Prepared & Analyzed: 06-Feb-09										
Lead	1.26		mg/l	0.0075	1.25	0.0076	100	75-125		
Barium	1.42		mg/l	0.0050	1.25	0.177	100	75-125		

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

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010193 - SW846 3010A										
Blank (9010193-BLK1)										
Prepared: 07-Jan-09 Analyzed: 09-Jan-09										
Lead	BRL		mg/l	0.0150						
Chromium	BRL		mg/l	0.0100						
Cadmium	BRL		mg/l	0.0050						
Arsenic	BRL		mg/l	0.0080						
LCS (9010193-BS1)										
Prepared: 07-Jan-09 Analyzed: 09-Jan-09										
Lead	2.61		mg/l	0.0150	2.50		105	85-115		
Arsenic	2.62		mg/l	0.0080	2.50		105	85-115		
Cadmium	2.72		mg/l	0.0050	2.50		109	85-115		
Chromium	2.65		mg/l	0.0100	2.50		106	85-115		
LCS Dup (9010193-BSD1)										
Prepared: 07-Jan-09 Analyzed: 09-Jan-09										
Lead	2.56		mg/l	0.0150	2.50		103	85-115	2	20
Arsenic	2.56		mg/l	0.0080	2.50		103	85-115	2	20
Cadmium	2.67		mg/l	0.0050	2.50		107	85-115	2	20
Chromium	2.58		mg/l	0.0100	2.50		103	85-115	3	20
Duplicate (9010193-DUP1) **Source: SA89146-05**										
Prepared: 07-Jan-09 Analyzed: 09-Jan-09										
Lead	0.0305	QR8	mg/l	0.0150		0.0095			105	20
Cadmium	0.0008	J	mg/l	0.0050		0.0007			13	20
Chromium	0.0325	QR8	mg/l	0.0100		0.0112			97	20
Arsenic	BRL		mg/l	0.0080		BRL				20
Matrix Spike (9010193-MS1) **Source: SA89146-02**										
Prepared: 07-Jan-09 Analyzed: 09-Jan-09										
Lead	2.51		mg/l	0.0150	2.50	BRL	100	75-125		
Cadmium	2.61		mg/l	0.0050	2.50	BRL	104	75-125		
Chromium	2.54		mg/l	0.0100	2.50	BRL	101	75-125		
Arsenic	2.52		mg/l	0.0080	2.50	BRL	101	75-125		
Matrix Spike Dup (9010193-MSD1) **Source: SA89146-02**										
Prepared: 07-Jan-09 Analyzed: 09-Jan-09										
Lead	2.56		mg/l	0.0150	2.50	BRL	103	75-125	2	20
Arsenic	2.56		mg/l	0.0080	2.50	BRL	102	75-125	2	20
Chromium	2.58		mg/l	0.0100	2.50	BRL	103	75-125	2	20
Cadmium	2.65		mg/l	0.0050	2.50	BRL	106	75-125	2	20
Post Spike (9010193-PS1) **Source: SA89146-02**										
Prepared: 07-Jan-09 Analyzed: 09-Jan-09										
Lead	2.55		mg/l	0.0150	2.50	BRL	102	75-125		
Arsenic	2.55		mg/l	0.0080	2.50	BRL	102	75-125		
Chromium	2.57		mg/l	0.0100	2.50	BRL	103	75-125		
Cadmium	2.64		mg/l	0.0050	2.50	BRL	106	75-125		
Batch 9010194 - EPA200/SW7000 Series										
Blank (9010194-BLK1)										
Prepared: 07-Jan-09 Analyzed: 08-Jan-09										
Mercury	BRL		mg/l	0.00020						
LCS (9010194-BS1)										
Prepared: 07-Jan-09 Analyzed: 08-Jan-09										

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

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010194 - EPA200/SW7000 Series										
LCS (9010194-BS1)										
Prepared: 07-Jan-09 Analyzed: 08-Jan-09										
Mercury	0.00437		mg/l	0.00020	0.00500		87	56.1-122		
Duplicate (9010194-DUP1)	**Source: SA89146-05**									
Prepared: 07-Jan-09 Analyzed: 08-Jan-09										
Mercury	BRL		mg/l	0.00020		BRL				20
Matrix Spike (9010194-MS1)	**Source: SA89146-02**									
Prepared: 07-Jan-09 Analyzed: 08-Jan-09										
Mercury	0.00446		mg/l	0.00020	0.00500	BRL	89	59.8-119		
Matrix Spike Dup (9010194-MSD1)	**Source: SA89146-02**									
Prepared: 07-Jan-09 Analyzed: 08-Jan-09										
Mercury	0.00435		mg/l	0.00020	0.00500	BRL	87	59.8-119	2	20
Post Spike (9010194-PS1)	**Source: SA89146-02**									
Prepared: 07-Jan-09 Analyzed: 08-Jan-09										
Mercury	0.00419		mg/l	0.00020	0.00500	BRL	84	72.4-113		

General Chemistry Parameters - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8121546 - General Preparation										
Duplicate (8121546-DUP1)	**Source: SA89007-01**									
Prepared & Analyzed: 18-Dec-08										
% Solids	85.0		%			81.5			4	20

Notes and Definitions

O09	This sample was analyzed outside the EPA recommended holding time per client request.
QC1	Analyte out of acceptance range.
QC2	Analyte out of acceptance range in QC spike but no reportable concentration present in sample.
QM2	The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte inherent in the sample.
QM4	Visual evaluation of the sample indicates the RPD is above the control limit due to a non-homogeneous sample matrix.
QM7	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QR6	The RPD exceeded the QC control limits; however precision is demonstrated with acceptable RPD values for MS/MSD.
QR8	Analyses are not controlled on RPD values from sample concentrations that are less than 5 times the reporting level. The batch is accepted based upon the difference between the sample and duplicate is less than or equal to the reporting limit.
SGC	Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.
VOC6	The production of Acetone and other ketones is commonly seen when using the SW 846 5035A extraction technique.
VOC8	Reporting limits reflect SW846 5030 extraction technique due to interference using SW846 5035A extraction technique.
Z-2	The response for the confirmation column was out of acceptance limits. The primary column was used for all data. Samples were BDL.
BRL	Below Reporting Limit - Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference
J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).

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

Interpretation of Total Petroleum Hydrocarbon Report

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

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

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

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

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

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

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

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

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

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

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

✓ SA 89019

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

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

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

Project Mgr.: David Brassard

Invoice To: DAS ☒ 44236

P.O. No.: _____ RQN: _____

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

1=Na_2S2O_3 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH_3OH 8=$NaHSO_4$ 9=H_2O 10=_____

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

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analyses: VOC 8260	SVOC 8270	CT ETPH	PCB 8080	Herbicides 8151	Total RCRA Metals	QA Reporting Notes: (check if needed)
89019-01	RSB-C68	12/17/08	900	G	SO	7,9	3	2			X	X	X	X	X	X	
-02	RSB-C69		930														
-03	RSB-C70		1000														
-04	RSB-C67		1130														
-05	RSB-C66		1200														
-06	RSB-C51		1335														
-07	RSB-C52		1415														

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

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

State specific reporting standards: CT

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

Condition upon receipt: ☐ Iced ☐ Ambient ☐ °C 5.8C REFRIG

Relinquished by:	Received by:	Date:	Time:
Patrick dePaula		12/18/08	11:03AM
JEC		12/18/08	13:29

SA 890194

SPECTRUM ANALYTICAL, INC.
Featuring HANNIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:
- [x] Standard TAT - 7 to 10 business days
- [ ] Rush TAT - Date Needed: _____
- All TATs subject to laboratory approval. Min. 24-hour notification needed for rushes.
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Report To: Tetra Tech
150 Trumbull St. 4th floor
Hartford, CT 06103

Project Mgr.: David Brassard

Invoice To: DAS # 44236

P.O. No.: _____ RQN: _____

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

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= H_2O 10= _____

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

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analyses: VOC 8260	SVOC 8270	CT ETPH	PCB 8080	Herbicides 8151	Total RCRA Metals	SPLP Pb, As, Cd, Cr	SPLP Pb, As, Cd, Cr	QA Reporting Notes:
5890-01	RSB-C68	12/17/08	900	G	SO	7.9	3	2			X	X	X	X	X	X		X	
02	RSB-C69		930																
03	RSB-C70		1000																
04	RSB-C67		1130																
05	RSB-C66		1200																
06	RSB-C51		1335																
07	RSB-C52		1415														X		

ADDED 1/5/09 ANALYSIS
See attached

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

Condition upon receipt: ☐ Iced ☐ Ambient ☐ °C 5.8C

Relinquished by:	Received by:	Date:	Time:
Patrick dePaulo		12/18/08	11:03am
TEC		12/19/08	8:29

REFRIG

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

✓ SA 89019a

SPECTRUM ANALYTICAL, INC.
Featuring
HANDBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

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

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

Project Mgr.: David Brassard

Invoice To: DAS ✗ 44236

P.O. No.: _____ RQN: _____

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

1=Na_2S2O_3 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH_3OH 8=$NaHSO_3$ 9= H_2O 10= _____

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

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic		VOC 8260	SVOC 8270	CT ETPH	PCB 8080	Herbicides 8151	Total RCRA Metals	SPLP Pb, As	SPLP Pb, As, Cd, Cr, Hg	QA Reporting Notes: (check if needed)
89019-01	RSB-C68	12/17/08	900	G	SO	7.9	3	2				X	X	X	X	X	X			
02	RSB-C69	↓	930	↓	↓	↓	↓	↓				↓	↓	↓	↓	↓	↓		X	X TCLP Pb
03	RSB-C70	↓	1000	↓	↓	↓	↓	↓				↓	↓	↓	↓	↓	↓			
04	RSB-C67	↓	1130	↓	↓	↓	↓	↓				↓	↓	↓	↓	↓	↓			X TCLP Ba
05	RSB-C66	↓	1200	↓	↓	↓	↓	↓				↓	↓	↓	↓	↓	↓			Added 2/3/09
06	RSB-C51	↓	1335	↓	↓	↓	↓	↓				↓	↓	↓	↓	↓	↓			
07	RSB-C52	↓	1415	↓	↓	↓	↓	↓				↓	↓	↓	↓	↓	↓	X		
																				ADDED ANALYSIS 1/5/09
																				See attached

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

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

State specific reporting standards: CT

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

Condition upon receipt: ☐ Iced ☐ Ambient ☐ °C 5.8C Refrig

Relinquished by:	Received by:	Date:	Time:
Patrick dePaula	[signature]	12/18/08	11:03AM
DEC	[signature]	12/18/08	13:24

Report Date:
11-Feb-09 17:36

☐ Final Report
☐ Re-Issued Report
☑ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

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

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

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SA89114-01	RSB-C78	Soil	18-Dec-08 09:30	19-Dec-08 11:30
SA89114-02	RSB-C77	Soil	18-Dec-08 09:00	19-Dec-08 11:30
SA89114-03	RSB-C76	Soil	18-Dec-08 10:15	19-Dec-08 11:30
SA89114-04	RSB-C75	Soil	18-Dec-08 10:40	19-Dec-08 11:30
SA89114-05	RSB-C74	Soil	18-Dec-08 11:00	19-Dec-08 11:30
SA89114-06	RSB-C73	Soil	18-Dec-08 11:45	19-Dec-08 11:30
SA89114-07	RSB-C72	Soil	18-Dec-08 12:10	19-Dec-08 11:30
SA89114-08	RSB-C71	Soil	18-Dec-08 12:30	19-Dec-08 11:30

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

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

Authorized by:

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

Technical Reviewer's Initial:

Spectrum Analytical holds certification in the State of New York for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of New York does not offer certification for all analytes.
Please note that this report contains 71 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supercedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report is available upon request. This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

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

Please contact the Laboratory or Technical Director at 800-789-9115 with any questions regarding the data contained in this laboratory report.

CASE NARRATIVE:

The samples were received 5.9 degrees Celsius, please refer to the Chain of Custody for details specific to temperature upon receipt. An infrared thermometer with a tolerance of +/- 2.0 degrees Celsius was used immediately upon receipt of the samples.

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

SW846 1311

Samples:

SA89114-02 *RSB-C77*

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

TCLP Extraction

SW846 1312/6010B

Duplicates:

9010193-DUP1 *Source: SA89146-05*

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

Chromium
Lead

SW846 8151A

Laboratory Control Samples:

8121748-BSD1

The response for the confirmation column was out of acceptance limits. The primary column was used for all data. Samples were BDL.

2,4-DB [2C]

SW846 8260B

Spikes:

8121900-MSD1 *Source: SA89114-07*

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

Chlorobenzene

Samples:

SA89114-02 *RSB-C77*

The production of Acetone and other ketones is commonly seen when using the SW 846 5035A extraction technique.

Acetone

SA89114-04 *RSB-C75*

Reporting limits reflect SW846 5030 extraction technique due to interference using SW846 5035A extraction technique.

SA89114-07 *RSB-C72*

Reporting limits reflect SW846 5030 extraction technique due to interference using SW846 5035A extraction technique.

SW846 8270C

SW846 8270C

Laboratory Control Samples:

8121750-BS1

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

Aniline

Spikes:

8121750-MSD1 *Source: SA89114-06*

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

Pentachlorophenol

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C78	127-17797-08011	Soil	18-Dec-08 09:30	19-Dec-08
SA89114-01				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	22-Dec-08	22-Dec-08	8121730	
Volatile Organic Compounds											
Prepared by method SW846 5035A Soil (low level)						Initial weight: 5.51 g					
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	6.7	1	SW846 8260B	23-Dec-08	24-Dec-08	8121776	X
67-64-1	Acetone	BRL		µg/kg dry	66.7	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	6.7	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	6.7	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	6.7	1	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	6.7	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	6.7	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	6.7	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	13.3	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	66.7	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	6.7	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	6.7	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	6.7	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	33.4	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	6.7	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	6.7	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	13.3	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	6.7	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	13.3	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	6.7	1	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	6.7	1	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	13.3	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	6.7	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	6.7	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	6.7	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	6.7	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	6.7	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	6.7	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	13.3	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	6.7	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	6.7	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	6.7	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	6.7	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	6.7	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	6.7	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	6.7	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	6.7	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	6.7	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	6.7	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	6.7	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	6.7	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	6.7	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	66.7	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	6.7	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	6.7	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	6.7	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	66.7	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	66.7	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	6.7	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C78 SA89114-01	127-17797-08011	Soil	18-Dec-08 09:30	19-Dec-08

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
Volatile Organic Compounds						Initial weight: 5.51 g					
Prepared by method SW846 5035A Soil (low level)											
103-65-1	n-Propylbenzene	BRL		µg/kg dry	6.7	1	SW846 8260B	23-Dec-08	24-Dec-08	8121776	X
100-42-5	Styrene	BRL		µg/kg dry	6.7	1	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	6.7	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	6.7	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	6.7	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	6.7	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	6.7	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	6.7	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	6.7	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	6.7	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	6.7	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	6.7	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	6.7	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	6.7	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	6.7	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	6.7	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	6.7	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	13.3	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	6.7	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	66.7	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	6.7	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	6.7	1	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	6.7	1	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	6.7	1	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	66.7	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	133	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	33.4	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	2670	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*86*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*91*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*122*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*104*		*70-130 %*			"	"	"	"	
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
83-32-9	Acenaphthene	BRL		µg/kg dry	404	1	SW846 8270C	23-Dec-08	29-Dec-08	8121750	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	404	1	"	"	"	"	X
62-53-3	Aniline	BRL		µg/kg dry	404	1	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	404	1	"	"	"	"	X
1912-24-9	Atrazine	BRL		µg/kg dry	404	1	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/kg dry	404	1	"	"	"	"	
92-87-5	Benzidine	BRL		µg/kg dry	404	1	"	"	"	"	X
56-55-3	Benzo (a) anthracene	1,780		µg/kg dry	404	1	"	"	"	"	X
50-32-8	Benzo (a) pyrene	1,280		µg/kg dry	404	1	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	1,820		µg/kg dry	404	1	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	786		µg/kg dry	404	1	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	1,480		µg/kg dry	404	1	"	"	"	"	X
65-85-0	Benzoic acid	BRL		µg/kg dry	404	1	"	"	"	"	X
100-51-6	Benzyl alcohol	BRL		µg/kg dry	404	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C78	127-17797-08011	Soil	18-Dec-08 09:30	19-Dec-08
SA89114-01				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
111-91-1	Bis(2-chloroethoxy)methane	BRL		µg/kg dry	404	1	SW846 8270C	23-Dec-08	29-Dec-08	8121750	X
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/kg dry	404	1	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	404	1	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	404	1	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/kg dry	404	1	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	BRL		µg/kg dry	404	1	"	"	"	"	X
86-74-8	Carbazole	BRL		µg/kg dry	404	1	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	BRL		µg/kg dry	404	1	"	"	"	"	X
106-47-8	4-Chloroaniline	BRL		µg/kg dry	404	1	"	"	"	"	X
91-58-7	2-Chloronaphthalene	BRL		µg/kg dry	404	1	"	"	"	"	X
95-57-8	2-Chlorophenol	BRL		µg/kg dry	404	1	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/kg dry	404	1	"	"	"	"	X
218-01-9	Chrysene	2,560		µg/kg dry	404	1	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	404	1	"	"	"	"	X
132-64-9	Dibenzofuran	BRL		µg/kg dry	404	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	404	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	404	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	404	1	"	"	"	"	X
91-94-1	3,3'-Dichlorobenzidine	BRL		µg/kg dry	404	1	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	BRL		µg/kg dry	404	1	"	"	"	"	X
84-66-2	Diethyl phthalate	BRL		µg/kg dry	404	1	"	"	"	"	X
131-11-3	Dimethyl phthalate	BRL		µg/kg dry	404	1	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	BRL		µg/kg dry	404	1	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	BRL		µg/kg dry	404	1	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	404	1	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	BRL		µg/kg dry	404	1	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	BRL		µg/kg dry	404	1	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	BRL		µg/kg dry	404	1	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	BRL		µg/kg dry	404	1	"	"	"	"	X
206-44-0	Fluoranthene	5,460		µg/kg dry	404	1	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	404	1	"	"	"	"	X
118-74-1	Hexachlorobenzene	BRL		µg/kg dry	404	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	404	1	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	BRL		µg/kg dry	404	1	"	"	"	"	X
67-72-1	Hexachloroethane	BRL		µg/kg dry	404	1	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	929		µg/kg dry	404	1	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	404	1	"	"	"	"	
78-59-1	Isophorone	BRL		µg/kg dry	404	1	"	"	"	"	X
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	404	1	"	"	"	"	X
95-48-7	2-Methylphenol	BRL		µg/kg dry	404	1	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	BRL		µg/kg dry	404	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	404	1	"	"	"	"	X
88-74-4	2-Nitroaniline	BRL		µg/kg dry	404	1	"	"	"	"	X
99-09-2	3-Nitroaniline	BRL		µg/kg dry	404	1	"	"	"	"	X
100-01-6	4-Nitroaniline	BRL		µg/kg dry	1610	1	"	"	"	"	X
98-95-3	Nitrobenzene	BRL		µg/kg dry	404	1	"	"	"	"	X
88-75-5	2-Nitrophenol	BRL		µg/kg dry	404	1	"	"	"	"	X
100-02-7	4-Nitrophenol	BRL		µg/kg dry	1610	1	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	BRL		µg/kg dry	404	1	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/kg dry	404	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C78 SA89114-01	127-17797-08011	Soil	18-Dec-08 09:30	19-Dec-08

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
86-30-6	N-Nitrosodiphenylamine	BRL		µg/kg dry	404	1	SW846 8270C	23-Dec-08	29-Dec-08	8121750	X
87-86-5	Pentachlorophenol	BRL		µg/kg dry	404	1	"	"	"	"	X
85-01-8	Phenanthrene	2,280		µg/kg dry	404	1	"	"	"	"	X
108-95-2	Phenol	BRL		µg/kg dry	404	1	"	"	"	"	X
129-00-0	Pyrene	5,880		µg/kg dry	404	1	"	"	"	"	X
110-86-1	Pyridine	BRL		µg/kg dry	404	1	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	404	1	"	"	"	"	X
95-95-4	2,4,5-Trichlorophenol	BRL		µg/kg dry	404	1	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	BRL		µg/kg dry	404	1	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	BRL		µg/kg dry	404	1	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	404	1	"	"	"	"	X
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*76*		*30-130 %*			"	"	"	"	
367-12-4	*2-Fluorophenol*	*78*		*15-110 %*			"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*74*		*30-130 %*			"	"	"	"	
4165-62-2	*Phenol-d5*	*68*		*15-110 %*			"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*105*		*30-130 %*			"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*77*		*15-110 %*			"	"	"	"	
Semivolatile Organic Compounds by GC											
Polychlorinated Biphenyls by SW846 8082											
Prepared by method SW846 3550B											
12674-11-2	PCB 1016	BRL		µg/kg dry	23.8	1	SW846 8082	23-Dec-08	23-Dec-08	8121753	X
11104-28-2	PCB 1221	BRL		µg/kg dry	23.8	1	"	"	"	"	X
11141-16-5	PCB 1232	BRL		µg/kg dry	23.8	1	"	"	"	"	X
53469-21-9	PCB 1242	BRL		µg/kg dry	23.8	1	"	"	"	"	X
12672-29-6	PCB 1248	BRL		µg/kg dry	23.8	1	"	"	"	"	X
11097-69-1	PCB 1254	BRL		µg/kg dry	23.8	1	"	"	"	"	X
11096-82-5	PCB 1260	BRL		µg/kg dry	23.8	1	"	"	"	"	X
37324-23-5	PCB 1262	BRL		µg/kg dry	23.8	1	"	"	"	"	X
11100-14-4	PCB 1268	BRL		µg/kg dry	23.8	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*82*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*100*		*30-150 %*			"	"	"	"	
Chlorinated Herbicides by SW846 8151A											
Prepared by method SW846 3550B											
93-76-5	2,4,5-T	BRL		µg/kg dry	6.70	1	SW846 8151A	23-Dec-08	26-Dec-08	8121748	X
93-72-1	2,4,5-TP (Silvex)	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-75-7	2,4-D	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-82-6	2,4-DB	BRL		µg/kg dry	6.70	1	"	"	"	"	X
75-99-0	Dalapon	BRL		µg/kg dry	6.70	1	"	"	"	"	X
1918-00-9	Dicamba	BRL		µg/kg dry	6.70	1	"	"	"	"	X
120-36-5	Dichlorprop	BRL		µg/kg dry	6.70	1	"	"	"	"	X
88-85-7	Dinoseb	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-74-6	MCPA	BRL		µg/kg dry	670	1	"	"	"	"	X
94-81-5	MCPB	BRL		µg/kg dry	670	1	"	"	"	"	
93-65-2	MCPP	BRL		µg/kg dry	670	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*112*		*30-150 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C78 SA89114-01	127-17797-08011	Soil	18-Dec-08 09:30	19-Dec-08

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3550B											
8006-61-9	Gasoline	BRL		mg/kg dry	16.3	1	+CT ETPH	23-Dec-08	24-Dec-08	8121752	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	16.3	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	16.3	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	16.3	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	16.3	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	16.3	1	"	"	"	"	
	Unidentified	146		mg/kg dry	16.3	1	"	"	"	"	
	Other Oil	Calculated as		mg/kg dry	16.3	1	"	"	"	"	
	Total Petroleum Hydrocarbons	146		mg/kg dry	16.3	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	146		mg/kg dry	16.3	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*101*		*50-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	BRL		mg/kg dry	1.65	1	SW846 6010B	23-Dec-08	26-Dec-08	8121709	X
7440-38-2	Arsenic	9.10		mg/kg dry	1.65	1	"	"	"	"	X
7440-39-3	Barium	142		mg/kg dry	1.10	1	"	"	"	"	X
7440-43-9	Cadmium	0.871		mg/kg dry	0.551	1	"	"	"	"	X
7440-47-3	Chromium	12.3		mg/kg dry	1.10	1	"	"	"	"	X
7439-97-6	Mercury	0.123		mg/kg dry	0.0360	1	SW846 7471A	"	29-Dec-08	8121710	X
7439-92-1	Lead	64.9		mg/kg dry	1.65	1	SW846 6010B	"	26-Dec-08	8121709	X
7782-49-2	Selenium	2.94		mg/kg dry	1.65	1	"	"	"	"	X
General Chemistry Parameters											
	% Solids	81.7		%		1	SM2540 G Mod.	22-Dec-08	22-Dec-08	8121722	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C77 SA89114-02	127-17797-08011	Soil	18-Dec-08 09:00	19-Dec-08

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	22-Dec-08	22-Dec-08	8121730	
Volatile Organic Compounds						Initial weight: 6.1 g					
Prepared by method SW846 5035A Soil (low level)											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	6.5	1	SW846 8260B	23-Dec-08	24-Dec-08	8121776	X
67-64-1	Acetone	68.7	VOC6	µg/kg dry	65.4	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	6.5	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	6.5	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	6.5	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	6.5	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	13.1	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	65.4	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	32.7	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	6.5	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	13.1	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	6.5	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	13.1	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	13.1	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	6.5	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	6.5	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	6.5	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	13.1	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	6.5	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	6.5	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	6.5	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	6.5	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	6.5	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	65.4	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	6.5	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	65.4	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	65.4	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	6.5	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C77	127-17797-08011	Soil	18-Dec-08 09:00	19-Dec-08
SA89114-02				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
Volatile Organic Compounds											
Prepared by method SW846 5035A Soil (low level)						Initial weight: 6.1 g					
103-65-1	n-Propylbenzene	BRL		µg/kg dry	6.5	1	SW846 8260B	23-Dec-08	24-Dec-08	8121776	X
100-42-5	Styrene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	6.5	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	6.5	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	6.5	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	6.5	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	6.5	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	6.5	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	6.5	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	6.5	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	6.5	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	13.1	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	65.4	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	6.5	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	6.5	1	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	6.5	1	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	6.5	1	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	65.4	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	131	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	32.7	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	2620	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*89*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*92*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*121*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*106*		*70-130 %*			"	"	"	"	
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
83-32-9	Acenaphthene	BRL		µg/kg dry	409	1	SW846 8270C	23-Dec-08	29-Dec-08	8121750	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	409	1	"	"	"	"	X
62-53-3	Aniline	BRL		µg/kg dry	409	1	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	409	1	"	"	"	"	X
1912-24-9	Atrazine	BRL		µg/kg dry	409	1	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/kg dry	409	1	"	"	"	"	
92-87-5	Benzidine	BRL		µg/kg dry	409	1	"	"	"	"	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	409	1	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	409	1	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	409	1	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	409	1	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	409	1	"	"	"	"	X
65-85-0	Benzoic acid	BRL		µg/kg dry	409	1	"	"	"	"	X
100-51-6	Benzyl alcohol	BRL		µg/kg dry	409	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C77 SA89114-02	127-17797-08011	Soil	18-Dec-08 09:00	19-Dec-08

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
111-91-1	Bis(2-chloroethoxy)methane	BRL		µg/kg dry	409	1	SW846 8270C	23-Dec-08	29-Dec-08	8121750	X
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/kg dry	409	1	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	409	1	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	409	1	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/kg dry	409	1	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	BRL		µg/kg dry	409	1	"	"	"	"	X
86-74-8	Carbazole	BRL		µg/kg dry	409	1	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	BRL		µg/kg dry	409	1	"	"	"	"	X
106-47-8	4-Chloroaniline	BRL		µg/kg dry	409	1	"	"	"	"	X
91-58-7	2-Chloronaphthalene	BRL		µg/kg dry	409	1	"	"	"	"	X
95-57-8	2-Chlorophenol	BRL		µg/kg dry	409	1	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/kg dry	409	1	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	409	1	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	409	1	"	"	"	"	X
132-64-9	Dibenzofuran	BRL		µg/kg dry	409	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	409	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	409	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	409	1	"	"	"	"	X
91-94-1	3,3'-Dichlorobenzidine	BRL		µg/kg dry	409	1	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	BRL		µg/kg dry	409	1	"	"	"	"	X
84-66-2	Diethyl phthalate	BRL		µg/kg dry	409	1	"	"	"	"	X
131-11-3	Dimethyl phthalate	BRL		µg/kg dry	409	1	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	BRL		µg/kg dry	409	1	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	BRL		µg/kg dry	409	1	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	409	1	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	BRL		µg/kg dry	409	1	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	BRL		µg/kg dry	409	1	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	BRL		µg/kg dry	409	1	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	BRL		µg/kg dry	409	1	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	409	1	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	409	1	"	"	"	"	X
118-74-1	Hexachlorobenzene	BRL		µg/kg dry	409	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	409	1	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	BRL		µg/kg dry	409	1	"	"	"	"	X
67-72-1	Hexachloroethane	BRL		µg/kg dry	409	1	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	409	1	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	409	1	"	"	"	"	
78-59-1	Isophorone	BRL		µg/kg dry	409	1	"	"	"	"	X
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	409	1	"	"	"	"	X
95-48-7	2-Methylphenol	BRL		µg/kg dry	409	1	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	BRL		µg/kg dry	409	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	409	1	"	"	"	"	X
88-74-4	2-Nitroaniline	BRL		µg/kg dry	409	1	"	"	"	"	X
99-09-2	3-Nitroaniline	BRL		µg/kg dry	409	1	"	"	"	"	X
100-01-6	4-Nitroaniline	BRL		µg/kg dry	1640	1	"	"	"	"	X
98-95-3	Nitrobenzene	BRL		µg/kg dry	409	1	"	"	"	"	X
88-75-5	2-Nitrophenol	BRL		µg/kg dry	409	1	"	"	"	"	X
100-02-7	4-Nitrophenol	BRL		µg/kg dry	1640	1	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	BRL		µg/kg dry	409	1	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/kg dry	409	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C77	127-17797-08011	Soil	18-Dec-08 09:00	19-Dec-08
SA89114-02				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
86-30-6	N-Nitrosodiphenylamine	BRL		µg/kg dry	409	1	SW846 8270C	23-Dec-08	29-Dec-08	8121750	X
87-86-5	Pentachlorophenol	BRL		µg/kg dry	409	1	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	409	1	"	"	"	"	X
108-95-2	Phenol	BRL		µg/kg dry	409	1	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	409	1	"	"	"	"	X
110-86-1	Pyridine	BRL		µg/kg dry	409	1	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	409	1	"	"	"	"	X
95-95-4	2,4,5-Trichlorophenol	BRL		µg/kg dry	409	1	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	BRL		µg/kg dry	409	1	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	BRL		µg/kg dry	409	1	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	409	1	"	"	"	"	X
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*78*		*30-130 %*			"	"	"	"	
367-12-4	*2-Fluorophenol*	*84*		*15-110 %*			"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*76*		*30-130 %*			"	"	"	"	
4165-62-2	*Phenol-d5*	*71*		*15-110 %*			"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*116*		*30-130 %*			"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*83*		*15-110 %*			"	"	"	"	
Semivolatile Organic Compounds by GC											
Polychlorinated Biphenyls by SW846 8082											
Prepared by method SW846 3550B											
12674-11-2	PCB 1016	BRL		µg/kg dry	23.4	1	SW846 8082	23-Dec-08	23-Dec-08	8121753	X
11104-28-2	PCB 1221	BRL		µg/kg dry	23.4	1	"	"	"	"	X
11141-16-5	PCB 1232	BRL		µg/kg dry	23.4	1	"	"	"	"	X
53469-21-9	PCB 1242	BRL		µg/kg dry	23.4	1	"	"	"	"	X
12672-29-6	PCB 1248	BRL		µg/kg dry	23.4	1	"	"	"	"	X
11097-69-1	PCB 1254	BRL		µg/kg dry	23.4	1	"	"	"	"	X
11096-82-5	PCB 1260	BRL		µg/kg dry	23.4	1	"	"	"	"	X
37324-23-5	PCB 1262	BRL		µg/kg dry	23.4	1	"	"	"	"	X
11100-14-4	PCB 1268	BRL		µg/kg dry	23.4	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*76*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*94*		*30-150 %*			"	"	"	"	
Chlorinated Herbicides by SW846 8151A											
Prepared by method SW846 3550B											
93-76-5	2,4,5-T	BRL		µg/kg dry	6.70	1	SW846 8151A	23-Dec-08	26-Dec-08	8121748	X
93-72-1	2,4,5-TP (Silvex)	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-75-7	2,4-D	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-82-6	2,4-DB	BRL		µg/kg dry	6.70	1	"	"	"	"	X
75-99-0	Dalapon	BRL		µg/kg dry	6.70	1	"	"	"	"	X
1918-00-9	Dicamba	BRL		µg/kg dry	6.70	1	"	"	"	"	X
120-36-5	Dichlorprop	BRL		µg/kg dry	6.70	1	"	"	"	"	X
88-85-7	Dinoseb	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-74-6	MCPA	BRL		µg/kg dry	670	1	"	"	"	"	X
94-81-5	MCPB	BRL		µg/kg dry	670	1	"	"	"	"	
93-65-2	MCPP	BRL		µg/kg dry	670	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*81*		*30-150 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											

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

* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C77 SA89114-02	127-17797-08011	Soil	18-Dec-08 09:00	19-Dec-08

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3550B											
8006-61-9	Gasoline	BRL		mg/kg dry	16.5	1	+CT ETPH	23-Dec-08	24-Dec-08	8121752	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	16.5	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	16.5	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	16.5	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	16.5	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	16.5	1	"	"	"	"	
	Unidentified	59.4		mg/kg dry	16.5	1	"	"	"	"	
	Other Oil	Calculated as		mg/kg dry	16.5	1	"	"	"	"	
	Total Petroleum Hydrocarbons	59.4		mg/kg dry	16.5	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	59.4		mg/kg dry	16.5	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*106*		*50-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	BRL		mg/kg dry	1.85	1	SW846 6010B	23-Dec-08	26-Dec-08	8121709	X
7440-38-2	Arsenic	4.72		mg/kg dry	1.85	1	"	"	"	"	X
7440-39-3	Barium	124		mg/kg dry	1.23	1	"	"	"	"	X
7440-43-9	Cadmium	1.07		mg/kg dry	0.616	1	"	"	"	"	X
7440-47-3	Chromium	21.8		mg/kg dry	1.23	1	"	"	"	"	X
7439-97-6	Mercury	0.292		mg/kg dry	0.0350	1	SW846 7471A	"	29-Dec-08	8121710	X
7439-92-1	Lead	120		mg/kg dry	1.85	1	SW846 6010B	"	26-Dec-08	8121709	X
7782-49-2	Selenium	3.68		mg/kg dry	1.85	1	"	"	"	"	X
TCLP Metals by EPA 1311 & 6000/7000 Series Methods											
	TCLP Extraction	Completed	O09	N/A		1	SW846 1311	04-Feb-09	04-Feb-09	9020341	X
7439-92-1	Lead	0.488		mg/l	0.0075	1	SW846 1311/6010B	06-Feb-09	06-Feb-09	9020349	X
SPLP Metals by EPA 1312 & 6000/7000 Series Methods											
	SPLP Extraction	Completed		N/A		1	SW846 1312	05-Jan-09	05-Jan-09	9010165	
7440-43-9	Cadmium	BRL		mg/l	0.0050	1	SW846 1312/6010B	07-Jan-09	12-Jan-09	9010193	
7440-47-3	Chromium	BRL		mg/l	0.0100	1	"	"	"	"	
7439-92-1	Lead	BRL		mg/l	0.0150	1	"	"	"	"	
General Chemistry Parameters											
	% Solids	78.8		%		1	SM2540 G Mod.	22-Dec-08	22-Dec-08	8121722	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C76	127-17797-08011	Soil	18-Dec-08 10:15	19-Dec-08
SA89114-03				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	22-Dec-08	22-Dec-08	8121730	
Volatile Organic Compounds											
Prepared by method SW846 5035A Soil (low level)						Initial weight: 5.79 g					
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	5.4	1	SW846 8260B	23-Dec-08	24-Dec-08	8121776	X
67-64-1	Acetone	BRL		µg/kg dry	54.1	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	5.4	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	5.4	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	5.4	1	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	5.4	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	5.4	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	5.4	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	10.8	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	54.1	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	5.4	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	5.4	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	5.4	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	27.1	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	5.4	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	5.4	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	10.8	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	5.4	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	10.8	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	5.4	1	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	5.4	1	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	10.8	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	5.4	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	5.4	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	5.4	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	5.4	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	5.4	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	5.4	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	10.8	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	5.4	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	5.4	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	5.4	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	5.4	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	5.4	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	5.4	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	5.4	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	5.4	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	5.4	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	5.4	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	5.4	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	5.4	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	5.4	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	54.1	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	5.4	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	5.4	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	5.4	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	54.1	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	54.1	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	5.4	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C76 SA89114-03	127-17797-08011	Soil	18-Dec-08 10:15	19-Dec-08

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
Volatile Organic Compounds						Initial weight: 5.79 g					
Prepared by method SW846 5035A Soil (low level)											
103-65-1	n-Propylbenzene	BRL		µg/kg dry	5.4	1	SW846 8260B	23-Dec-08	24-Dec-08	8121776	X
100-42-5	Styrene	BRL		µg/kg dry	5.4	1	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	5.4	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	5.4	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	5.4	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	5.4	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	5.4	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	5.4	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	5.4	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	5.4	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	5.4	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	5.4	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	5.4	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	5.4	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	5.4	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	5.4	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	5.4	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	10.8	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	5.4	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	54.1	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	5.4	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	5.4	1	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	5.4	1	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	5.4	1	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	54.1	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	108	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	27.1	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	2170	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*86*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*90*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*121*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*104*		*70-130 %*			"	"	"	"	
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
83-32-9	Acenaphthene	BRL		µg/kg dry	364	1	SW846 8270C	23-Dec-08	29-Dec-08	8121750	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	364	1	"	"	"	"	X
62-53-3	Aniline	BRL		µg/kg dry	364	1	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	364	1	"	"	"	"	X
1912-24-9	Atrazine	BRL		µg/kg dry	364	1	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/kg dry	364	1	"	"	"	"	
92-87-5	Benzidine	BRL		µg/kg dry	364	1	"	"	"	"	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	364	1	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	364	1	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	364	1	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	364	1	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	364	1	"	"	"	"	X
65-85-0	Benzoic acid	BRL		µg/kg dry	364	1	"	"	"	"	X
100-51-6	Benzyl alcohol	BRL		µg/kg dry	364	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C76	127-17797-08011	Soil	18-Dec-08 10:15	19-Dec-08
SA89114-03				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
111-91-1	Bis(2-chloroethoxy)methane	BRL		µg/kg dry	364	1	SW846 8270C	23-Dec-08	29-Dec-08	8121750	X
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/kg dry	364	1	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	364	1	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	364	1	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/kg dry	364	1	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	BRL		µg/kg dry	364	1	"	"	"	"	X
86-74-8	Carbazole	BRL		µg/kg dry	364	1	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	BRL		µg/kg dry	364	1	"	"	"	"	X
106-47-8	4-Chloroaniline	BRL		µg/kg dry	364	1	"	"	"	"	X
91-58-7	2-Chloronaphthalene	BRL		µg/kg dry	364	1	"	"	"	"	X
95-57-8	2-Chlorophenol	BRL		µg/kg dry	364	1	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/kg dry	364	1	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	364	1	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	364	1	"	"	"	"	X
132-64-9	Dibenzofuran	BRL		µg/kg dry	364	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	364	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	364	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	364	1	"	"	"	"	X
91-94-1	3,3´-Dichlorobenzidine	BRL		µg/kg dry	364	1	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	BRL		µg/kg dry	364	1	"	"	"	"	X
84-66-2	Diethyl phthalate	BRL		µg/kg dry	364	1	"	"	"	"	X
131-11-3	Dimethyl phthalate	BRL		µg/kg dry	364	1	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	BRL		µg/kg dry	364	1	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	BRL		µg/kg dry	364	1	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	364	1	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	BRL		µg/kg dry	364	1	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	BRL		µg/kg dry	364	1	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	BRL		µg/kg dry	364	1	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	BRL		µg/kg dry	364	1	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	364	1	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	364	1	"	"	"	"	X
118-74-1	Hexachlorobenzene	BRL		µg/kg dry	364	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	364	1	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	BRL		µg/kg dry	364	1	"	"	"	"	X
67-72-1	Hexachloroethane	BRL		µg/kg dry	364	1	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	364	1	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	364	1	"	"	"	"	
78-59-1	Isophorone	BRL		µg/kg dry	364	1	"	"	"	"	X
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	364	1	"	"	"	"	X
95-48-7	2-Methylphenol	BRL		µg/kg dry	364	1	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	BRL		µg/kg dry	364	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	364	1	"	"	"	"	X
88-74-4	2-Nitroaniline	BRL		µg/kg dry	364	1	"	"	"	"	X
99-09-2	3-Nitroaniline	BRL		µg/kg dry	364	1	"	"	"	"	X
100-01-6	4-Nitroaniline	BRL		µg/kg dry	1460	1	"	"	"	"	X
98-95-3	Nitrobenzene	BRL		µg/kg dry	364	1	"	"	"	"	X
88-75-5	2-Nitrophenol	BRL		µg/kg dry	364	1	"	"	"	"	X
100-02-7	4-Nitrophenol	BRL		µg/kg dry	1460	1	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	BRL		µg/kg dry	364	1	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/kg dry	364	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C76 SA89114-03	127-17797-08011	Soil	18-Dec-08 10:15	19-Dec-08

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
86-30-6	N-Nitrosodiphenylamine	BRL		µg/kg dry	364	1	SW846 8270C	23-Dec-08	29-Dec-08	8121750	X
87-86-5	Pentachlorophenol	BRL		µg/kg dry	364	1	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	364	1	"	"	"	"	X
108-95-2	Phenol	BRL		µg/kg dry	364	1	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	364	1	"	"	"	"	X
110-86-1	Pyridine	BRL		µg/kg dry	364	1	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	364	1	"	"	"	"	X
95-95-4	2,4,5-Trichlorophenol	BRL		µg/kg dry	364	1	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	BRL		µg/kg dry	364	1	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	BRL		µg/kg dry	364	1	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	364	1	"	"	"	"	X
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*70*		*30-130 %*			"	"	"	"	
367-12-4	*2-Fluorophenol*	*74*		*15-110 %*			"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*66*		*30-130 %*			"	"	"	"	
4165-62-2	*Phenol-d5*	*65*		*15-110 %*			"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*111*		*30-130 %*			"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*78*		*15-110 %*			"	"	"	"	
Semivolatile Organic Compounds by GC											
Polychlorinated Biphenyls by SW846 8082											
Prepared by method SW846 3550B											
12674-11-2	PCB 1016	BRL		µg/kg dry	21.8	1	SW846 8082	23-Dec-08	23-Dec-08	8121753	X
11104-28-2	PCB 1221	BRL		µg/kg dry	21.8	1	"	"	"	"	X
11141-16-5	PCB 1232	BRL		µg/kg dry	21.8	1	"	"	"	"	X
53469-21-9	PCB 1242	BRL		µg/kg dry	21.8	1	"	"	"	"	X
12672-29-6	PCB 1248	BRL		µg/kg dry	21.8	1	"	"	"	"	X
11097-69-1	PCB 1254	BRL		µg/kg dry	21.8	1	"	"	"	"	X
11096-82-5	PCB 1260	BRL		µg/kg dry	21.8	1	"	"	"	"	X
37324-23-5	PCB 1262	BRL		µg/kg dry	21.8	1	"	"	"	"	X
11100-14-4	PCB 1268	BRL		µg/kg dry	21.8	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*77*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*90*		*30-150 %*			"	"	"	"	
Chlorinated Herbicides by SW846 8151A											
Prepared by method SW846 3550B											
93-76-5	2,4,5-T	BRL		µg/kg dry	6.70	1	SW846 8151A	23-Dec-08	26-Dec-08	8121748	X
93-72-1	2,4,5-TP (Silvex)	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-75-7	2,4-D	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-82-6	2,4-DB	BRL		µg/kg dry	6.70	1	"	"	"	"	X
75-99-0	Dalapon	BRL		µg/kg dry	6.70	1	"	"	"	"	X
1918-00-9	Dicamba	BRL		µg/kg dry	6.70	1	"	"	"	"	X
120-36-5	Dichlorprop	BRL		µg/kg dry	6.70	1	"	"	"	"	X
88-85-7	Dinoseb	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-74-6	MCPA	BRL		µg/kg dry	670	1	"	"	"	"	X
94-81-5	MCPB	BRL		µg/kg dry	670	1	"	"	"	"	
93-65-2	MCPP	BRL		µg/kg dry	670	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*91*		*30-150 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C76 SA89114-03	127-17797-08011	Soil	18-Dec-08 10:15	19-Dec-08

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3550B											
8006-61-9	Gasoline	BRL		mg/kg dry	14.7	1	+CT ETPH	23-Dec-08	24-Dec-08	8121752	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	14.7	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	14.7	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	14.7	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	14.7	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	14.7	1	"	"	"	"	
	Unidentified	BRL		mg/kg dry	14.7	1	"	"	"	"	
	Other Oil	BRL		mg/kg dry	14.7	1	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL		mg/kg dry	14.7	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	14.7	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*104*		*50-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	BRL		mg/kg dry	1.59	1	SW846 6010B	23-Dec-08	26-Dec-08	8121709	X
7440-38-2	Arsenic	9.06		mg/kg dry	1.59	1	"	"	"	"	X
7440-39-3	Barium	33.3		mg/kg dry	1.06	1	"	"	"	"	X
7440-43-9	Cadmium	BRL		mg/kg dry	0.529	1	"	"	"	"	X
7440-47-3	Chromium	5.74		mg/kg dry	1.06	1	"	"	"	"	X
7439-97-6	Mercury	0.165		mg/kg dry	0.0320	1	SW846 7471A	"	29-Dec-08	8121710	X
7439-92-1	Lead	50.3		mg/kg dry	1.59	1	SW846 6010B	"	26-Dec-08	8121709	X
7782-49-2	Selenium	BRL		mg/kg dry	1.59	1	"	"	"	"	X
General Chemistry Parameters											
	% Solids	89.5		%		1	SM2540 G Mod.	22-Dec-08	22-Dec-08	8121722	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C75 SA89114-04	127-17797-08011	Soil	18-Dec-08 10:40	19-Dec-08

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	22-Dec-08	22-Dec-08	8121730	
Volatile Organic Compounds			VOC8			Initial weight: 15.73 g					
Prepared by method SW846 5030 Soil (high level)											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	66.4	50	SW846 8260B	26-Dec-08	26-Dec-08	8121900	X
67-64-1	Acetone	BRL		µg/kg dry	664	50	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	66.4	50	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	66.4	50	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	66.4	50	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	66.4	50	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	66.4	50	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	66.4	50	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	133	50	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	664	50	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	66.4	50	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	66.4	50	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	66.4	50	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	332	50	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	66.4	50	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	66.4	50	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	133	50	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	66.4	50	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	133	50	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	66.4	50	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	66.4	50	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	133	50	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	66.4	50	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	66.4	50	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	66.4	50	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	66.4	50	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	66.4	50	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	66.4	50	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	133	50	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	66.4	50	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	66.4	50	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	66.4	50	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	66.4	50	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	66.4	50	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	66.4	50	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	66.4	50	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	66.4	50	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	66.4	50	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	66.4	50	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	66.4	50	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	66.4	50	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	66.4	50	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	664	50	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	66.4	50	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	66.4	50	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	66.4	50	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	664	50	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	664	50	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	66.4	50	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C75	127-17797-08011	Soil	18-Dec-08 10:40	19-Dec-08
SA89114-04				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
Volatile Organic Compounds			VOC8								
Prepared by method SW846 5030 Soil (high level)					Initial weight: 15.73 g						
103-65-1	n-Propylbenzene	BRL		µg/kg dry	66.4	50	SW846 8260B	26-Dec-08	26-Dec-08	8121900	X
100-42-5	Styrene	BRL		µg/kg dry	66.4	50	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	66.4	50	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	66.4	50	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	66.4	50	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	66.4	50	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	66.4	50	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	66.4	50	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	66.4	50	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	66.4	50	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	66.4	50	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	66.4	50	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	66.4	50	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	66.4	50	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	66.4	50	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	66.4	50	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	66.4	50	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	133	50	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	66.4	50	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	664	50	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	66.4	50	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	66.4	50	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	66.4	50	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	66.4	50	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	664	50	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	1330	50	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	332	50	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	26600	50	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*101*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*101*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*98*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*91*		*70-130 %*			"	"	"	"	
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
83-32-9	Acenaphthene	BRL		µg/kg dry	391	1	SW846 8270C	23-Dec-08	29-Dec-08	8121750	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	391	1	"	"	"	"	X
62-53-3	Aniline	BRL		µg/kg dry	391	1	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	391	1	"	"	"	"	X
1912-24-9	Atrazine	BRL		µg/kg dry	391	1	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/kg dry	391	1	"	"	"	"	
92-87-5	Benzidine	BRL		µg/kg dry	391	1	"	"	"	"	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	391	1	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	391	1	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	391	1	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	391	1	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	391	1	"	"	"	"	X
65-85-0	Benzoic acid	BRL		µg/kg dry	391	1	"	"	"	"	X
100-51-6	Benzyl alcohol	BRL		µg/kg dry	391	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C75 SA89114-04	127-17797-08011	Soil	18-Dec-08 10:40	19-Dec-08

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
111-91-1	Bis(2-chloroethoxy)methane	BRL		µg/kg dry	391	1	SW846 8270C	23-Dec-08	29-Dec-08	8121750	X
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/kg dry	391	1	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	391	1	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	391	1	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/kg dry	391	1	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	BRL		µg/kg dry	391	1	"	"	"	"	X
86-74-8	Carbazole	BRL		µg/kg dry	391	1	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	BRL		µg/kg dry	391	1	"	"	"	"	X
106-47-8	4-Chloroaniline	BRL		µg/kg dry	391	1	"	"	"	"	X
91-58-7	2-Chloronaphthalene	BRL		µg/kg dry	391	1	"	"	"	"	X
95-57-8	2-Chlorophenol	BRL		µg/kg dry	391	1	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/kg dry	391	1	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	391	1	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	391	1	"	"	"	"	X
132-64-9	Dibenzofuran	BRL		µg/kg dry	391	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	391	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	391	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	391	1	"	"	"	"	X
91-94-1	3,3'-Dichlorobenzidine	BRL		µg/kg dry	391	1	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	BRL		µg/kg dry	391	1	"	"	"	"	X
84-66-2	Diethyl phthalate	BRL		µg/kg dry	391	1	"	"	"	"	X
131-11-3	Dimethyl phthalate	BRL		µg/kg dry	391	1	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	BRL		µg/kg dry	391	1	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	BRL		µg/kg dry	391	1	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	391	1	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	BRL		µg/kg dry	391	1	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	BRL		µg/kg dry	391	1	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	BRL		µg/kg dry	391	1	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	BRL		µg/kg dry	391	1	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	391	1	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	391	1	"	"	"	"	X
118-74-1	Hexachlorobenzene	BRL		µg/kg dry	391	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	391	1	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	BRL		µg/kg dry	391	1	"	"	"	"	X
67-72-1	Hexachloroethane	BRL		µg/kg dry	391	1	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	391	1	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	391	1	"	"	"	"	
78-59-1	Isophorone	BRL		µg/kg dry	391	1	"	"	"	"	X
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	391	1	"	"	"	"	X
95-48-7	2-Methylphenol	BRL		µg/kg dry	391	1	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	BRL		µg/kg dry	391	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	391	1	"	"	"	"	X
88-74-4	2-Nitroaniline	BRL		µg/kg dry	391	1	"	"	"	"	X
99-09-2	3-Nitroaniline	BRL		µg/kg dry	391	1	"	"	"	"	X
100-01-6	4-Nitroaniline	BRL		µg/kg dry	1560	1	"	"	"	"	X
98-95-3	Nitrobenzene	BRL		µg/kg dry	391	1	"	"	"	"	X
88-75-5	2-Nitrophenol	BRL		µg/kg dry	391	1	"	"	"	"	X
100-02-7	4-Nitrophenol	BRL		µg/kg dry	1560	1	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	BRL		µg/kg dry	391	1	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/kg dry	391	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C75	127-17797-08011	Soil	18-Dec-08 10:40	19-Dec-08
SA89114-04				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
86-30-6	N-Nitrosodiphenylamine	BRL		µg/kg dry	391	1	SW846 8270C	23-Dec-08	29-Dec-08	8121750	X
87-86-5	Pentachlorophenol	BRL		µg/kg dry	391	1	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	391	1	"	"	"	"	X
108-95-2	Phenol	BRL		µg/kg dry	391	1	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	391	1	"	"	"	"	X
110-86-1	Pyridine	BRL		µg/kg dry	391	1	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	391	1	"	"	"	"	X
95-95-4	2,4,5-Trichlorophenol	BRL		µg/kg dry	391	1	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	BRL		µg/kg dry	391	1	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	BRL		µg/kg dry	391	1	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	391	1	"	"	"	"	X
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*67*		*30-130 %*			"	"	"	"	
367-12-4	*2-Fluorophenol*	*70*		*15-110 %*			"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*62*		*30-130 %*			"	"	"	"	
4165-62-2	*Phenol-d5*	*60*		*15-110 %*			"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*108*		*30-130 %*			"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*66*		*15-110 %*			"	"	"	"	
Semivolatile Organic Compounds by GC											
Polychlorinated Biphenyls by SW846 8082											
Prepared by method SW846 3550B											
12674-11-2	PCB 1016	BRL		µg/kg dry	22.0	1	SW846 8082	23-Dec-08	23-Dec-08	8121753	X
11104-28-2	PCB 1221	BRL		µg/kg dry	22.0	1	"	"	"	"	X
11141-16-5	PCB 1232	BRL		µg/kg dry	22.0	1	"	"	"	"	X
53469-21-9	PCB 1242	BRL		µg/kg dry	22.0	1	"	"	"	"	X
12672-29-6	PCB 1248	BRL		µg/kg dry	22.0	1	"	"	"	"	X
11097-69-1	PCB 1254	BRL		µg/kg dry	22.0	1	"	"	"	"	X
11096-82-5	PCB 1260	BRL		µg/kg dry	22.0	1	"	"	"	"	X
37324-23-5	PCB 1262	BRL		µg/kg dry	22.0	1	"	"	"	"	X
11100-14-4	PCB 1268	BRL		µg/kg dry	22.0	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*78*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*96*		*30-150 %*			"	"	"	"	
Chlorinated Herbicides by SW846 8151A											
Prepared by method SW846 3550B											
93-76-5	2,4,5-T	BRL		µg/kg dry	6.70	1	SW846 8151A	23-Dec-08	26-Dec-08	8121748	X
93-72-1	2,4,5-TP (Silvex)	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-75-7	2,4-D	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-82-6	2,4-DB	BRL		µg/kg dry	6.70	1	"	"	"	"	X
75-99-0	Dalapon	BRL		µg/kg dry	6.70	1	"	"	"	"	X
1918-00-9	Dicamba	BRL		µg/kg dry	6.70	1	"	"	"	"	X
120-36-5	Dichlorprop	BRL		µg/kg dry	6.70	1	"	"	"	"	X
88-85-7	Dinoseb	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-74-6	MCPA	BRL		µg/kg dry	670	1	"	"	"	"	X
94-81-5	MCPB	BRL		µg/kg dry	670	1	"	"	"	"	
93-65-2	MCPP	BRL		µg/kg dry	670	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*82*		*30-150 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											

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

* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C75 SA89114-04	127-17797-08011	Soil	18-Dec-08 10:40	19-Dec-08

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3550B											
8006-61-9	Gasoline	BRL		mg/kg dry	15.7	1	+CT ETPH	23-Dec-08	24-Dec-08	8121752	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	15.7	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	15.7	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	15.7	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	15.7	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	15.7	1	"	"	"	"	
	Unidentified	BRL		mg/kg dry	15.7	1	"	"	"	"	
	Other Oil	BRL		mg/kg dry	15.7	1	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL		mg/kg dry	15.7	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	15.7	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*94*		*50-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	BRL		mg/kg dry	1.79	1	SW846 6010B	23-Dec-08	26-Dec-08	8121709	X
7440-38-2	Arsenic	1.80		mg/kg dry	1.79	1	"	"	"	"	X
7440-39-3	Barium	44.7		mg/kg dry	1.19	1	"	"	"	"	X
7440-43-9	Cadmium	BRL		mg/kg dry	0.596	1	"	"	"	"	X
7440-47-3	Chromium	5.01		mg/kg dry	1.19	1	"	"	"	"	X
7439-97-6	Mercury	0.189		mg/kg dry	0.0323	1	SW846 7471A	"	29-Dec-08	8121710	X
7439-92-1	Lead	23.4		mg/kg dry	1.79	1	SW846 6010B	"	26-Dec-08	8121709	X
7782-49-2	Selenium	BRL		mg/kg dry	1.79	1	"	"	"	"	X
General Chemistry Parameters											
	% Solids	83.9		%		1	SM2540 G Mod.	22-Dec-08	22-Dec-08	8121722	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C74 SA89114-05	127-17797-08011	Soil	18-Dec-08 11:00	19-Dec-08

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	22-Dec-08	22-Dec-08	8121730	
Volatile Organic Compounds											
Prepared by method SW846 5035A Soil (low level)						Initial weight: 5.77 g					
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	4.8	1	SW846 8260B	23-Dec-08	24-Dec-08	8121776	X
67-64-1	Acetone	BRL		µg/kg dry	47.9	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	4.8	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	4.8	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	4.8	1	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	4.8	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	4.8	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	4.8	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	9.6	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	47.9	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	4.8	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	4.8	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	4.8	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	24.0	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	4.8	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	4.8	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	9.6	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	4.8	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	9.6	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	4.8	1	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	4.8	1	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	9.6	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	4.8	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	4.8	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	4.8	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	4.8	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	4.8	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	4.8	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	9.6	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	4.8	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	4.8	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	4.8	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	4.8	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	4.8	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	4.8	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	4.8	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	4.8	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	4.8	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	4.8	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	4.8	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	4.8	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	4.8	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	47.9	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	4.8	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	4.8	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	4.8	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	47.9	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	47.9	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	4.8	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C74	127-17797-08011	Soil	18-Dec-08 11:00	19-Dec-08
SA89114-05				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
Volatile Organic Compounds						Initial weight: 5.77 g					
Prepared by method SW846 5035A Soil (low level)											
103-65-1	n-Propylbenzene	BRL		µg/kg dry	4.8	1	SW846 8260B	23-Dec-08	24-Dec-08	8121776	X
100-42-5	Styrene	BRL		µg/kg dry	4.8	1	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	4.8	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	4.8	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	4.8	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	4.8	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	4.8	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	4.8	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	4.8	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	4.8	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	4.8	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	4.8	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	4.8	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	4.8	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	4.8	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	4.8	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	4.8	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	9.6	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	4.8	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	47.9	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	4.8	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	4.8	1	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	4.8	1	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	4.8	1	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	47.9	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	95.9	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	24.0	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	1920	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*85*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*90*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*115*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*101*		*70-130 %*			"	"	"	"	
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
83-32-9	Acenaphthene	BRL		µg/kg dry	343	1	SW846 8270C	23-Dec-08	29-Dec-08	8121750	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	343	1	"	"	"	"	X
62-53-3	Aniline	BRL		µg/kg dry	343	1	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	343	1	"	"	"	"	X
1912-24-9	Atrazine	BRL		µg/kg dry	343	1	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/kg dry	343	1	"	"	"	"	
92-87-5	Benzidine	BRL		µg/kg dry	343	1	"	"	"	"	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	343	1	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	343	1	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	343	1	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	343	1	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	343	1	"	"	"	"	X
65-85-0	Benzoic acid	BRL		µg/kg dry	343	1	"	"	"	"	X
100-51-6	Benzyl alcohol	BRL		µg/kg dry	343	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C74	127-17797-08011	Soil	18-Dec-08 11:00	19-Dec-08
SA89114-05				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
111-91-1	Bis(2-chloroethoxy)methane	BRL		µg/kg dry	343	1	SW846 8270C	23-Dec-08	29-Dec-08	8121750	X
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/kg dry	343	1	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	343	1	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	343	1	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/kg dry	343	1	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	BRL		µg/kg dry	343	1	"	"	"	"	X
86-74-8	Carbazole	BRL		µg/kg dry	343	1	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	BRL		µg/kg dry	343	1	"	"	"	"	X
106-47-8	4-Chloroaniline	BRL		µg/kg dry	343	1	"	"	"	"	X
91-58-7	2-Chloronaphthalene	BRL		µg/kg dry	343	1	"	"	"	"	X
95-57-8	2-Chlorophenol	BRL		µg/kg dry	343	1	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/kg dry	343	1	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	343	1	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	343	1	"	"	"	"	X
132-64-9	Dibenzofuran	BRL		µg/kg dry	343	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	343	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	343	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	343	1	"	"	"	"	X
91-94-1	3,3'-Dichlorobenzidine	BRL		µg/kg dry	343	1	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	BRL		µg/kg dry	343	1	"	"	"	"	X
84-66-2	Diethyl phthalate	BRL		µg/kg dry	343	1	"	"	"	"	X
131-11-3	Dimethyl phthalate	BRL		µg/kg dry	343	1	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	BRL		µg/kg dry	343	1	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	BRL		µg/kg dry	343	1	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	343	1	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	BRL		µg/kg dry	343	1	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	BRL		µg/kg dry	343	1	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	BRL		µg/kg dry	343	1	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	BRL		µg/kg dry	343	1	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	343	1	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	343	1	"	"	"	"	X
118-74-1	Hexachlorobenzene	BRL		µg/kg dry	343	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	343	1	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	BRL		µg/kg dry	343	1	"	"	"	"	X
67-72-1	Hexachloroethane	BRL		µg/kg dry	343	1	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	343	1	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	343	1	"	"	"	"	
78-59-1	Isophorone	BRL		µg/kg dry	343	1	"	"	"	"	X
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	343	1	"	"	"	"	X
95-48-7	2-Methylphenol	BRL		µg/kg dry	343	1	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	BRL		µg/kg dry	343	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	343	1	"	"	"	"	X
88-74-4	2-Nitroaniline	BRL		µg/kg dry	343	1	"	"	"	"	X
99-09-2	3-Nitroaniline	BRL		µg/kg dry	343	1	"	"	"	"	X
100-01-6	4-Nitroaniline	BRL		µg/kg dry	1370	1	"	"	"	"	X
98-95-3	Nitrobenzene	BRL		µg/kg dry	343	1	"	"	"	"	X
88-75-5	2-Nitrophenol	BRL		µg/kg dry	343	1	"	"	"	"	X
100-02-7	4-Nitrophenol	BRL		µg/kg dry	1370	1	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	BRL		µg/kg dry	343	1	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/kg dry	343	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C74 SA89114-05	127-17797-08011	Soil	18-Dec-08 11:00	19-Dec-08

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
86-30-6	N-Nitrosodiphenylamine	BRL		µg/kg dry	343	1	SW846 8270C	23-Dec-08	29-Dec-08	8121750	X
87-86-5	Pentachlorophenol	BRL		µg/kg dry	343	1	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	343	1	"	"	"	"	X
108-95-2	Phenol	BRL		µg/kg dry	343	1	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	343	1	"	"	"	"	X
110-86-1	Pyridine	BRL		µg/kg dry	343	1	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	343	1	"	"	"	"	X
95-95-4	2,4,5-Trichlorophenol	BRL		µg/kg dry	343	1	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	BRL		µg/kg dry	343	1	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	BRL		µg/kg dry	343	1	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	343	1	"	"	"	"	X
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*54*		*30-130 %*			"	"	"	"	
367-12-4	*2-Fluorophenol*	*57*		*15-110 %*			"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*49*		*30-130 %*			"	"	"	"	
4165-62-2	*Phenol-d5*	*56*		*15-110 %*			"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*58*		*30-130 %*			"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*49*		*15-110 %*			"	"	"	"	
Semivolatile Organic Compounds by GC											
Polychlorinated Biphenyls by SW846 8082											
Prepared by method SW846 3550B											
12674-11-2	PCB 1016	BRL		µg/kg dry	19.8	1	SW846 8082	23-Dec-08	23-Dec-08	8121753	X
11104-28-2	PCB 1221	BRL		µg/kg dry	19.8	1	"	"	"	"	X
11141-16-5	PCB 1232	BRL		µg/kg dry	19.8	1	"	"	"	"	X
53469-21-9	PCB 1242	BRL		µg/kg dry	19.8	1	"	"	"	"	X
12672-29-6	PCB 1248	BRL		µg/kg dry	19.8	1	"	"	"	"	X
11097-69-1	PCB 1254	BRL		µg/kg dry	19.8	1	"	"	"	"	X
11096-82-5	PCB 1260	BRL		µg/kg dry	19.8	1	"	"	"	"	X
37324-23-5	PCB 1262	BRL		µg/kg dry	19.8	1	"	"	"	"	X
11100-14-4	PCB 1268	BRL		µg/kg dry	19.8	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*76*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*93*		*30-150 %*			"	"	"	"	
Chlorinated Herbicides by SW846 8151A											
Prepared by method SW846 3550B											
93-76-5	2,4,5-T	BRL		µg/kg dry	6.70	1	SW846 8151A	23-Dec-08	26-Dec-08	8121748	X
93-72-1	2,4,5-TP (Silvex)	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-75-7	2,4-D	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-82-6	2,4-DB	BRL		µg/kg dry	6.70	1	"	"	"	"	X
75-99-0	Dalapon	BRL		µg/kg dry	6.70	1	"	"	"	"	X
1918-00-9	Dicamba	BRL		µg/kg dry	6.70	1	"	"	"	"	X
120-36-5	Dichlorprop	BRL		µg/kg dry	6.70	1	"	"	"	"	X
88-85-7	Dinoseb	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-74-6	MCPA	BRL		µg/kg dry	670	1	"	"	"	"	X
94-81-5	MCPB	BRL		µg/kg dry	670	1	"	"	"	"	
93-65-2	MCPP	BRL		µg/kg dry	670	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*90*		*30-150 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											

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

* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C74	127-17797-08011	Soil	18-Dec-08 11:00	19-Dec-08
SA89114-05				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3550B											
8006-61-9	Gasoline	BRL		mg/kg dry	13.8	1	+CT ETPH	23-Dec-08	24-Dec-08	8121752	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	13.8	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	13.8	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	13.8	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	13.8	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	13.8	1	"	"	"	"	
	Unidentified	BRL		mg/kg dry	13.8	1	"	"	"	"	
	Other Oil	BRL		mg/kg dry	13.8	1	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL		mg/kg dry	13.8	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	13.8	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*92*		*50-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	BRL		mg/kg dry	1.32	1	SW846 6010B	23-Dec-08	26-Dec-08	8121709	X
7440-38-2	Arsenic	BRL		mg/kg dry	1.32	1	"	"	"	"	X
7440-39-3	Barium	24.6		mg/kg dry	0.877	1	"	"	"	"	X
7440-43-9	Cadmium	BRL		mg/kg dry	0.438	1	"	"	"	"	X
7440-47-3	Chromium	4.96		mg/kg dry	0.877	1	"	"	"	"	X
7439-97-6	Mercury	0.0610		mg/kg dry	0.0285	1	SW846 7471A	"	29-Dec-08	8121710	X
7439-92-1	Lead	4.83		mg/kg dry	1.32	1	SW846 6010B	"	26-Dec-08	8121709	X
7782-49-2	Selenium	BRL		mg/kg dry	1.32	1	"	"	"	"	X
General Chemistry Parameters											
	% Solids	95.3		%		1	SM2540 G Mod.	22-Dec-08	22-Dec-08	8121722	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C73 SA89114-06	127-17797-08011	Soil	18-Dec-08 11:45	19-Dec-08

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	22-Dec-08	22-Dec-08	8121730	
Volatile Organic Compounds						Initial weight: 5.47 g					
Prepared by method SW846 5035A Soil (low level)											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	6.0	1	SW846 8260B	23-Dec-08	24-Dec-08	8121776	X
67-64-1	Acetone	BRL		µg/kg dry	60.4	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	6.0	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	6.0	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	6.0	1	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	6.0	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	6.0	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	6.0	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	12.1	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	60.4	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	6.0	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	6.0	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	6.0	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	30.2	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	6.0	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	6.0	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	12.1	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	6.0	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	12.1	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	6.0	1	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	6.0	1	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	12.1	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	6.0	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	6.0	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	6.0	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	6.0	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	6.0	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	6.0	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	12.1	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	6.0	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	6.0	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	6.0	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	6.0	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	6.0	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	6.0	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	6.0	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	6.0	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	6.0	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	6.0	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	6.0	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	6.0	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	6.0	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	60.4	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	6.0	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	6.0	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	6.0	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	60.4	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	60.4	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	6.0	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C73 SA89114-06	127-17797-08011	Soil	18-Dec-08 11:45	19-Dec-08

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
Volatile Organic Compounds											
Prepared by method SW846 5035A Soil (low level)						Initial weight: 5.47 g					
103-65-1	n-Propylbenzene	BRL		µg/kg dry	6.0	1	SW846 8260B	23-Dec-08	24-Dec-08	8121776	X
100-42-5	Styrene	BRL		µg/kg dry	6.0	1	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	6.0	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	6.0	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	6.0	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	6.0	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	6.0	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	6.0	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	6.0	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	6.0	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	6.0	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	6.0	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	6.0	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	6.0	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	6.0	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	6.0	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	6.0	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	12.1	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	6.0	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	60.4	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	6.0	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	6.0	1	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	6.0	1	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	6.0	1	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	60.4	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	121	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	30.2	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	2410	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*85*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*92*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*120*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*105*		*70-130 %*			"	"	"	"	
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
83-32-9	Acenaphthene	BRL		µg/kg dry	372	1	SW846 8270C	23-Dec-08	29-Dec-08	8121750	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	372	1	"	"	"	"	X
62-53-3	Aniline	BRL		µg/kg dry	372	1	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	372	1	"	"	"	"	X
1912-24-9	Atrazine	BRL		µg/kg dry	372	1	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/kg dry	372	1	"	"	"	"	
92-87-5	Benzidine	BRL		µg/kg dry	372	1	"	"	"	"	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	372	1	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	372	1	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	372	1	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	372	1	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	372	1	"	"	"	"	X
65-85-0	Benzoic acid	BRL		µg/kg dry	372	1	"	"	"	"	X
100-51-6	Benzyl alcohol	BRL		µg/kg dry	372	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C73 SA89114-06	127-17797-08011	Soil	18-Dec-08 11:45	19-Dec-08

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
111-91-1	Bis(2-chloroethoxy)methane	BRL		µg/kg dry	372	1	SW846 8270C	23-Dec-08	29-Dec-08	8121750	X
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/kg dry	372	1	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	372	1	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	372	1	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/kg dry	372	1	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	BRL		µg/kg dry	372	1	"	"	"	"	X
86-74-8	Carbazole	BRL		µg/kg dry	372	1	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	BRL		µg/kg dry	372	1	"	"	"	"	X
106-47-8	4-Chloroaniline	BRL		µg/kg dry	372	1	"	"	"	"	X
91-58-7	2-Chloronaphthalene	BRL		µg/kg dry	372	1	"	"	"	"	X
95-57-8	2-Chlorophenol	BRL		µg/kg dry	372	1	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/kg dry	372	1	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	372	1	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	372	1	"	"	"	"	X
132-64-9	Dibenzofuran	BRL		µg/kg dry	372	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	372	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	372	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	372	1	"	"	"	"	X
91-94-1	3,3´-Dichlorobenzidine	BRL		µg/kg dry	372	1	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	BRL		µg/kg dry	372	1	"	"	"	"	X
84-66-2	Diethyl phthalate	BRL		µg/kg dry	372	1	"	"	"	"	X
131-11-3	Dimethyl phthalate	BRL		µg/kg dry	372	1	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	BRL		µg/kg dry	372	1	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	BRL		µg/kg dry	372	1	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	372	1	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	BRL		µg/kg dry	372	1	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	BRL		µg/kg dry	372	1	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	BRL		µg/kg dry	372	1	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	BRL		µg/kg dry	372	1	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	372	1	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	372	1	"	"	"	"	X
118-74-1	Hexachlorobenzene	BRL		µg/kg dry	372	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	372	1	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	BRL		µg/kg dry	372	1	"	"	"	"	X
67-72-1	Hexachloroethane	BRL		µg/kg dry	372	1	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	372	1	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	372	1	"	"	"	"	
78-59-1	Isophorone	BRL		µg/kg dry	372	1	"	"	"	"	X
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	372	1	"	"	"	"	X
95-48-7	2-Methylphenol	BRL		µg/kg dry	372	1	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	BRL		µg/kg dry	372	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	372	1	"	"	"	"	X
88-74-4	2-Nitroaniline	BRL		µg/kg dry	372	1	"	"	"	"	X
99-09-2	3-Nitroaniline	BRL		µg/kg dry	372	1	"	"	"	"	X
100-01-6	4-Nitroaniline	BRL		µg/kg dry	1490	1	"	"	"	"	X
98-95-3	Nitrobenzene	BRL		µg/kg dry	372	1	"	"	"	"	X
88-75-5	2-Nitrophenol	BRL		µg/kg dry	372	1	"	"	"	"	X
100-02-7	4-Nitrophenol	BRL		µg/kg dry	1490	1	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	BRL		µg/kg dry	372	1	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/kg dry	372	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C73 SA89114-06	127-17797-08011	Soil	18-Dec-08 11:45	19-Dec-08

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
86-30-6	N-Nitrosodiphenylamine	BRL		µg/kg dry	372	1	SW846 8270C	23-Dec-08	29-Dec-08	8121750	X
87-86-5	Pentachlorophenol	BRL		µg/kg dry	372	1	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	372	1	"	"	"	"	X
108-95-2	Phenol	BRL		µg/kg dry	372	1	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	372	1	"	"	"	"	X
110-86-1	Pyridine	BRL		µg/kg dry	372	1	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	372	1	"	"	"	"	X
95-95-4	2,4,5-Trichlorophenol	BRL		µg/kg dry	372	1	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	BRL		µg/kg dry	372	1	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	BRL		µg/kg dry	372	1	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	372	1	"	"	"	"	X
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*68*		*30-130 %*			"	"	"	"	
367-12-4	*2-Fluorophenol*	*72*		*15-110 %*			"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*66*		*30-130 %*			"	"	"	"	
4165-62-2	*Phenol-d5*	*62*		*15-110 %*			"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*101*		*30-130 %*			"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*73*		*15-110 %*			"	"	"	"	
Semivolatile Organic Compounds by GC											
Polychlorinated Biphenyls by SW846 8082											
Prepared by method SW846 3550B											
12674-11-2	PCB 1016	BRL		µg/kg dry	21.9	1	SW846 8082	23-Dec-08	23-Dec-08	8121753	X
11104-28-2	PCB 1221	BRL		µg/kg dry	21.9	1	"	"	"	"	X
11141-16-5	PCB 1232	BRL		µg/kg dry	21.9	1	"	"	"	"	X
53469-21-9	PCB 1242	BRL		µg/kg dry	21.9	1	"	"	"	"	X
12672-29-6	PCB 1248	BRL		µg/kg dry	21.9	1	"	"	"	"	X
11097-69-1	PCB 1254	BRL		µg/kg dry	21.9	1	"	"	"	"	X
11096-82-5	PCB 1260	BRL		µg/kg dry	21.9	1	"	"	"	"	X
37324-23-5	PCB 1262	BRL		µg/kg dry	21.9	1	"	"	"	"	X
11100-14-4	PCB 1268	BRL		µg/kg dry	21.9	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*74*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*95*		*30-150 %*			"	"	"	"	
Chlorinated Herbicides by SW846 8151A											
Prepared by method SW846 3550B											
93-76-5	2,4,5-T	BRL		µg/kg dry	6.70	1	SW846 8151A	23-Dec-08	26-Dec-08	8121748	X
93-72-1	2,4,5-TP (Silvex)	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-75-7	2,4-D	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-82-6	2,4-DB	BRL		µg/kg dry	6.70	1	"	"	"	"	X
75-99-0	Dalapon	BRL		µg/kg dry	6.70	1	"	"	"	"	X
1918-00-9	Dicamba	BRL		µg/kg dry	6.70	1	"	"	"	"	X
120-36-5	Dichlorprop	BRL		µg/kg dry	6.70	1	"	"	"	"	X
88-85-7	Dinoseb	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-74-6	MCPA	BRL		µg/kg dry	670	1	"	"	"	"	X
94-81-5	MCPB	BRL		µg/kg dry	670	1	"	"	"	"	
93-65-2	MCPP	BRL		µg/kg dry	670	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*92*		*30-150 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C73 SA89114-06	127-17797-08011	Soil	18-Dec-08 11:45	19-Dec-08

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3550B											
8006-61-9	Gasoline	BRL		mg/kg dry	15.0	1	+CT ETPH	23-Dec-08	24-Dec-08	8121752	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	15.0	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	15.0	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	15.0	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	15.0	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	15.0	1	"	"	"	"	
	Unidentified	BRL		mg/kg dry	15.0	1	"	"	"	"	
	Other Oil	BRL		mg/kg dry	15.0	1	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL		mg/kg dry	15.0	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	15.0	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*100*		*50-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	BRL		mg/kg dry	1.63	1	SW846 6010B	23-Dec-08	26-Dec-08	8121709	X
7440-38-2	Arsenic	BRL		mg/kg dry	1.63	1	"	"	"	"	X
7440-39-3	Barium	35.6		mg/kg dry	1.09	1	"	"	"	"	X
7440-43-9	Cadmium	BRL		mg/kg dry	0.544	1	"	"	"	"	X
7440-47-3	Chromium	6.75		mg/kg dry	1.09	1	"	"	"	"	X
7439-97-6	Mercury	BRL		mg/kg dry	0.0307	1	SW846 7471A	"	29-Dec-08	8121710	X
7439-92-1	Lead	5.20		mg/kg dry	1.63	1	SW846 6010B	"	26-Dec-08	8121709	X
7782-49-2	Selenium	BRL		mg/kg dry	1.63	1	"	"	"	"	X
General Chemistry Parameters											
	% Solids	86.7		%		1	SM2540 G Mod.	22-Dec-08	22-Dec-08	8121722	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C72	127-17797-08011	Soil	18-Dec-08 12:10	19-Dec-08
SA89114-07				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	22-Dec-08	22-Dec-08	8121730	
Volatile Organic Compounds			VOC8								
Prepared by method SW846 5030 Soil (high level)						Initial weight: 14.74 g					
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	64.0	50	SW846 8260B	26-Dec-08	26-Dec-08	8121900	X
67-64-1	Acetone	BRL		µg/kg dry	640	50	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	64.0	50	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	64.0	50	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	64.0	50	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	64.0	50	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	64.0	50	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	64.0	50	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	128	50	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	640	50	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	64.0	50	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	64.0	50	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	64.0	50	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	320	50	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	64.0	50	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	64.0	50	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	128	50	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	64.0	50	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	128	50	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	64.0	50	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	64.0	50	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	128	50	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	64.0	50	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	64.0	50	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	64.0	50	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	64.0	50	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	64.0	50	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	64.0	50	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	128	50	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	64.0	50	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	64.0	50	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	64.0	50	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	64.0	50	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	64.0	50	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	64.0	50	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	64.0	50	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	64.0	50	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	64.0	50	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	64.0	50	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	64.0	50	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	64.0	50	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	64.0	50	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	640	50	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	64.0	50	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	64.0	50	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	64.0	50	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	640	50	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	640	50	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	64.0	50	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C72 SA89114-07	127-17797-08011	Soil	18-Dec-08 12:10	19-Dec-08

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
Volatile Organic Compounds			VOC8			Initial weight: 14.74 g					
Prepared by method SW846 5030 Soil (high level)											
103-65-1	n-Propylbenzene	BRL		µg/kg dry	64.0	50	SW846 8260B	26-Dec-08	26-Dec-08	8121900	X
100-42-5	Styrene	BRL		µg/kg dry	64.0	50	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	64.0	50	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	64.0	50	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	64.0	50	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	64.0	50	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	64.0	50	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	64.0	50	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	64.0	50	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	64.0	50	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	64.0	50	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	64.0	50	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	64.0	50	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	64.0	50	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	64.0	50	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	64.0	50	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	64.0	50	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	128	50	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	64.0	50	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	640	50	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	64.0	50	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	64.0	50	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	64.0	50	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	64.0	50	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	640	50	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	1280	50	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	320	50	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	25600	50	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*102*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*100*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*100*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*92*		*70-130 %*			"	"	"	"	
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
83-32-9	Acenaphthene	BRL		µg/kg dry	370	1	SW846 8270C	23-Dec-08	29-Dec-08	8121750	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	370	1	"	"	"	"	X
62-53-3	Aniline	BRL		µg/kg dry	370	1	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	370	1	"	"	"	"	X
1912-24-9	Atrazine	BRL		µg/kg dry	370	1	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/kg dry	370	1	"	"	"	"	
92-87-5	Benzidine	BRL		µg/kg dry	370	1	"	"	"	"	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	370	1	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	370	1	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	370	1	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	370	1	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	370	1	"	"	"	"	X
65-85-0	Benzoic acid	BRL		µg/kg dry	370	1	"	"	"	"	X
100-51-6	Benzyl alcohol	BRL		µg/kg dry	370	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C72	127-17797-08011	Soil	18-Dec-08 12:10	19-Dec-08
SA89114-07				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
111-91-1	Bis(2-chloroethoxy)methane	BRL		µg/kg dry	370	1	SW846 8270C	23-Dec-08	29-Dec-08	8121750	X
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/kg dry	370	1	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	370	1	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	370	1	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/kg dry	370	1	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	BRL		µg/kg dry	370	1	"	"	"	"	X
86-74-8	Carbazole	BRL		µg/kg dry	370	1	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	BRL		µg/kg dry	370	1	"	"	"	"	X
106-47-8	4-Chloroaniline	BRL		µg/kg dry	370	1	"	"	"	"	X
91-58-7	2-Chloronaphthalene	BRL		µg/kg dry	370	1	"	"	"	"	X
95-57-8	2-Chlorophenol	BRL		µg/kg dry	370	1	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/kg dry	370	1	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	370	1	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	370	1	"	"	"	"	X
132-64-9	Dibenzofuran	BRL		µg/kg dry	370	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	370	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	370	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	370	1	"	"	"	"	X
91-94-1	3,3'-Dichlorobenzidine	BRL		µg/kg dry	370	1	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	BRL		µg/kg dry	370	1	"	"	"	"	X
84-66-2	Diethyl phthalate	BRL		µg/kg dry	370	1	"	"	"	"	X
131-11-3	Dimethyl phthalate	BRL		µg/kg dry	370	1	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	BRL		µg/kg dry	370	1	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	BRL		µg/kg dry	370	1	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	370	1	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	BRL		µg/kg dry	370	1	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	BRL		µg/kg dry	370	1	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	BRL		µg/kg dry	370	1	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	BRL		µg/kg dry	370	1	"	"	"	"	X
206-44-0	Fluoranthene	407		µg/kg dry	370	1	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	370	1	"	"	"	"	X
118-74-1	Hexachlorobenzene	BRL		µg/kg dry	370	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	370	1	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	BRL		µg/kg dry	370	1	"	"	"	"	X
67-72-1	Hexachloroethane	BRL		µg/kg dry	370	1	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	370	1	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	370	1	"	"	"	"	
78-59-1	Isophorone	BRL		µg/kg dry	370	1	"	"	"	"	X
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	370	1	"	"	"	"	X
95-48-7	2-Methylphenol	BRL		µg/kg dry	370	1	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	BRL		µg/kg dry	370	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	370	1	"	"	"	"	X
88-74-4	2-Nitroaniline	BRL		µg/kg dry	370	1	"	"	"	"	X
99-09-2	3-Nitroaniline	BRL		µg/kg dry	370	1	"	"	"	"	X
100-01-6	4-Nitroaniline	BRL		µg/kg dry	1480	1	"	"	"	"	X
98-95-3	Nitrobenzene	BRL		µg/kg dry	370	1	"	"	"	"	X
88-75-5	2-Nitrophenol	BRL		µg/kg dry	370	1	"	"	"	"	X
100-02-7	4-Nitrophenol	BRL		µg/kg dry	1480	1	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	BRL		µg/kg dry	370	1	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/kg dry	370	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C72 SA89114-07	127-17797-08011	Soil	18-Dec-08 12:10	19-Dec-08

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
86-30-6	N-Nitrosodiphenylamine	BRL		µg/kg dry	370	1	SW846 8270C	23-Dec-08	29-Dec-08	8121750	X
87-86-5	Pentachlorophenol	BRL		µg/kg dry	370	1	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	370	1	"	"	"	"	X
108-95-2	Phenol	BRL		µg/kg dry	370	1	"	"	"	"	X
129-00-0	Pyrene	401		µg/kg dry	370	1	"	"	"	"	X
110-86-1	Pyridine	BRL		µg/kg dry	370	1	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	370	1	"	"	"	"	X
95-95-4	2,4,5-Trichlorophenol	BRL		µg/kg dry	370	1	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	BRL		µg/kg dry	370	1	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	BRL		µg/kg dry	370	1	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	370	1	"	"	"	"	X
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*52*		*30-130 %*			"	"	"	"	
367-12-4	*2-Fluorophenol*	*49*		*15-110 %*			"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*47*		*30-130 %*			"	"	"	"	
4165-62-2	*Phenol-d5*	*52*		*15-110 %*			"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*55*		*30-130 %*			"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*51*		*15-110 %*			"	"	"	"	
Semivolatile Organic Compounds by GC											
Polychlorinated Biphenyls by SW846 8082											
Prepared by method SW846 3550B											
12674-11-2	PCB 1016	BRL		µg/kg dry	22.4	1	SW846 8082	23-Dec-08	23-Dec-08	8121753	X
11104-28-2	PCB 1221	BRL		µg/kg dry	22.4	1	"	"	"	"	X
11141-16-5	PCB 1232	BRL		µg/kg dry	22.4	1	"	"	"	"	X
53469-21-9	PCB 1242	BRL		µg/kg dry	22.4	1	"	"	"	"	X
12672-29-6	PCB 1248	BRL		µg/kg dry	22.4	1	"	"	"	"	X
11097-69-1	PCB 1254	BRL		µg/kg dry	22.4	1	"	"	"	"	X
11096-82-5	PCB 1260	BRL		µg/kg dry	22.4	1	"	"	"	"	X
37324-23-5	PCB 1262	BRL		µg/kg dry	22.4	1	"	"	"	"	X
11100-14-4	PCB 1268	BRL		µg/kg dry	22.4	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*76*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*89*		*30-150 %*			"	"	"	"	
Chlorinated Herbicides by SW846 8151A											
Prepared by method SW846 3550B											
93-76-5	2,4,5-T	BRL		µg/kg dry	6.70	1	SW846 8151A	23-Dec-08	26-Dec-08	8121748	X
93-72-1	2,4,5-TP (Silvex)	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-75-7	2,4-D	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-82-6	2,4-DB	BRL		µg/kg dry	6.70	1	"	"	"	"	X
75-99-0	Dalapon	BRL		µg/kg dry	6.70	1	"	"	"	"	X
1918-00-9	Dicamba	BRL		µg/kg dry	6.70	1	"	"	"	"	X
120-36-5	Dichlorprop	BRL		µg/kg dry	6.70	1	"	"	"	"	X
88-85-7	Dinoseb	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-74-6	MCPA	BRL		µg/kg dry	670	1	"	"	"	"	X
94-81-5	MCPB	BRL		µg/kg dry	670	1	"	"	"	"	
93-65-2	MCPP	BRL		µg/kg dry	670	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*111*		*30-150 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C72	127-17797-08011	Soil	18-Dec-08 12:10	19-Dec-08
SA89114-07				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3550B											
8006-61-9	Gasoline	BRL		mg/kg dry	14.9	1	+CT ETPH	23-Dec-08	24-Dec-08	8121752	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	14.9	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	14.9	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	14.9	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	14.9	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	14.9	1	"	"	"	"	
	Unidentified	44.6		mg/kg dry	14.9	1	"	"	"	"	
	Other Oil	Calculated as		mg/kg dry	14.9	1	"	"	"	"	
	Total Petroleum Hydrocarbons	44.6		mg/kg dry	14.9	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	44.6		mg/kg dry	14.9	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*88*		*50-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	BRL		mg/kg dry	1.60	1	SW846 6010B	23-Dec-08	26-Dec-08	8121709	X
7440-38-2	Arsenic	3.67		mg/kg dry	1.60	1	"	"	"	"	X
7440-39-3	Barium	100		mg/kg dry	1.07	1	"	"	"	"	X
7440-43-9	Cadmium	BRL		mg/kg dry	0.535	1	"	"	"	"	X
7440-47-3	Chromium	6.40		mg/kg dry	1.07	1	"	"	"	"	X
7439-97-6	Mercury	0.137		mg/kg dry	0.0297	1	SW846 7471A	"	29-Dec-08	8121710	X
7439-92-1	Lead	62.9		mg/kg dry	1.60	1	SW846 6010B	"	26-Dec-08	8121709	X
7782-49-2	Selenium	BRL		mg/kg dry	1.60	1	"	"	"	"	X
General Chemistry Parameters											
	% Solids	88.5		%		1	SM2540 G Mod.	22-Dec-08	22-Dec-08	8121722	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C71 SA89114-08	127-17797-08011	Soil	18-Dec-08 12:30	19-Dec-08

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	22-Dec-08	22-Dec-08	8121730	
Volatile Organic Compounds						Initial weight: 5.34 g					
Prepared by method SW846 5035A Soil (low level)											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	6.2	1	SW846 8260B	23-Dec-08	24-Dec-08	8121776	X
67-64-1	Acetone	BRL		µg/kg dry	62.3	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	6.2	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	6.2	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	6.2	1	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	6.2	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	6.2	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	6.2	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	12.5	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	62.3	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	6.2	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	6.2	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	6.2	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	31.2	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	6.2	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	6.2	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	12.5	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	6.2	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	12.5	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	6.2	1	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	6.2	1	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	12.5	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	6.2	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	6.2	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	6.2	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	6.2	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	6.2	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	6.2	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	12.5	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	6.2	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	6.2	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	6.2	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	6.2	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	6.2	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	6.2	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	6.2	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	6.2	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	6.2	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	6.2	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	6.2	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	6.2	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	6.2	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	62.3	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	6.2	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	6.2	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	6.2	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	62.3	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	62.3	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	6.2	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C71	127-17797-08011	Soil	18-Dec-08 12:30	19-Dec-08
SA89114-08				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
Volatile Organic Compounds											
Prepared by method SW846 5035A Soil (low level)					Initial weight: 5.34 g						
103-65-1	n-Propylbenzene	BRL		µg/kg dry	6.2	1	SW846 8260B	23-Dec-08	24-Dec-08	8121776	X
100-42-5	Styrene	BRL		µg/kg dry	6.2	1	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	6.2	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	6.2	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	6.2	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	6.2	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	6.2	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	6.2	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	6.2	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	6.2	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	6.2	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	6.2	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	6.2	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	6.2	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	6.2	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	6.2	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	6.2	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	12.5	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	6.2	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	62.3	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	6.2	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	6.2	1	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	6.2	1	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	6.2	1	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	62.3	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	125	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	31.2	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	2490	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*86*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*90*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*120*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*100*		*70-130 %*			"	"	"	"	
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
83-32-9	Acenaphthene	BRL		µg/kg dry	377	1	SW846 8270C	23-Dec-08	29-Dec-08	8121750	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	377	1	"	"	"	"	X
62-53-3	Aniline	BRL		µg/kg dry	377	1	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	377	1	"	"	"	"	X
1912-24-9	Atrazine	BRL		µg/kg dry	377	1	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/kg dry	377	1	"	"	"	"	
92-87-5	Benzidine	BRL		µg/kg dry	377	1	"	"	"	"	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	377	1	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	377	1	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	377	1	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	377	1	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	377	1	"	"	"	"	X
65-85-0	Benzoic acid	BRL		µg/kg dry	377	1	"	"	"	"	X
100-51-6	Benzyl alcohol	BRL		µg/kg dry	377	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C71 SA89114-08	127-17797-08011	Soil	18-Dec-08 12:30	19-Dec-08

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
111-91-1	Bis(2-chloroethoxy)methane	BRL		µg/kg dry	377	1	SW846 8270C	23-Dec-08	29-Dec-08	8121750	X
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/kg dry	377	1	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	377	1	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	377	1	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/kg dry	377	1	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	BRL		µg/kg dry	377	1	"	"	"	"	X
86-74-8	Carbazole	BRL		µg/kg dry	377	1	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	BRL		µg/kg dry	377	1	"	"	"	"	X
106-47-8	4-Chloroaniline	BRL		µg/kg dry	377	1	"	"	"	"	X
91-58-7	2-Chloronaphthalene	BRL		µg/kg dry	377	1	"	"	"	"	X
95-57-8	2-Chlorophenol	BRL		µg/kg dry	377	1	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/kg dry	377	1	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	377	1	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	377	1	"	"	"	"	X
132-64-9	Dibenzofuran	BRL		µg/kg dry	377	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	377	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	377	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	377	1	"	"	"	"	X
91-94-1	3,3'-Dichlorobenzidine	BRL		µg/kg dry	377	1	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	BRL		µg/kg dry	377	1	"	"	"	"	X
84-66-2	Diethyl phthalate	BRL		µg/kg dry	377	1	"	"	"	"	X
131-11-3	Dimethyl phthalate	BRL		µg/kg dry	377	1	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	BRL		µg/kg dry	377	1	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	BRL		µg/kg dry	377	1	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	377	1	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	BRL		µg/kg dry	377	1	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	BRL		µg/kg dry	377	1	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	BRL		µg/kg dry	377	1	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	BRL		µg/kg dry	377	1	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	377	1	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	377	1	"	"	"	"	X
118-74-1	Hexachlorobenzene	BRL		µg/kg dry	377	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	377	1	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	BRL		µg/kg dry	377	1	"	"	"	"	X
67-72-1	Hexachloroethane	BRL		µg/kg dry	377	1	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	377	1	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	377	1	"	"	"	"	
78-59-1	Isophorone	BRL		µg/kg dry	377	1	"	"	"	"	X
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	377	1	"	"	"	"	X
95-48-7	2-Methylphenol	BRL		µg/kg dry	377	1	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	BRL		µg/kg dry	377	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	377	1	"	"	"	"	X
88-74-4	2-Nitroaniline	BRL		µg/kg dry	377	1	"	"	"	"	X
99-09-2	3-Nitroaniline	BRL		µg/kg dry	377	1	"	"	"	"	X
100-01-6	4-Nitroaniline	BRL		µg/kg dry	1510	1	"	"	"	"	X
98-95-3	Nitrobenzene	BRL		µg/kg dry	377	1	"	"	"	"	X
88-75-5	2-Nitrophenol	BRL		µg/kg dry	377	1	"	"	"	"	X
100-02-7	4-Nitrophenol	BRL		µg/kg dry	1510	1	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	BRL		µg/kg dry	377	1	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/kg dry	377	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C71 SA89114-08	127-17797-08011	Soil	18-Dec-08 12:30	19-Dec-08

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
86-30-6	N-Nitrosodiphenylamine	BRL		µg/kg dry	377	1	SW846 8270C	23-Dec-08	29-Dec-08	8121750	X
87-86-5	Pentachlorophenol	BRL		µg/kg dry	377	1	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	377	1	"	"	"	"	X
108-95-2	Phenol	BRL		µg/kg dry	377	1	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	377	1	"	"	"	"	X
110-86-1	Pyridine	BRL		µg/kg dry	377	1	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	377	1	"	"	"	"	X
95-95-4	2,4,5-Trichlorophenol	BRL		µg/kg dry	377	1	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	BRL		µg/kg dry	377	1	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	BRL		µg/kg dry	377	1	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	377	1	"	"	"	"	X
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*77*		*30-130 %*			"	"	"	"	
367-12-4	*2-Fluorophenol*	*76*		*15-110 %*			"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*68*		*30-130 %*			"	"	"	"	
4165-62-2	*Phenol-d5*	*83*		*15-110 %*			"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*82*		*30-130 %*			"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*75*		*15-110 %*			"	"	"	"	
Semivolatile Organic Compounds by GC											
Polychlorinated Biphenyls by SW846 8082											
Prepared by method SW846 3550B											
12674-11-2	PCB 1016	BRL		µg/kg dry	21.4	1	SW846 8082	23-Dec-08	23-Dec-08	8121753	X
11104-28-2	PCB 1221	BRL		µg/kg dry	21.4	1	"	"	"	"	X
11141-16-5	PCB 1232	BRL		µg/kg dry	21.4	1	"	"	"	"	X
53469-21-9	PCB 1242	BRL		µg/kg dry	21.4	1	"	"	"	"	X
12672-29-6	PCB 1248	BRL		µg/kg dry	21.4	1	"	"	"	"	X
11097-69-1	PCB 1254	BRL		µg/kg dry	21.4	1	"	"	"	"	X
11096-82-5	PCB 1260	BRL		µg/kg dry	21.4	1	"	"	"	"	X
37324-23-5	PCB 1262	BRL		µg/kg dry	21.4	1	"	"	"	"	X
11100-14-4	PCB 1268	BRL		µg/kg dry	21.4	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*79*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*99*		*30-150 %*			"	"	"	"	
Chlorinated Herbicides by SW846 8151A											
Prepared by method SW846 3550B											
93-76-5	2,4,5-T	BRL		µg/kg dry	6.70	1	SW846 8151A	23-Dec-08	26-Dec-08	8121748	X
93-72-1	2,4,5-TP (Silvex)	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-75-7	2,4-D	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-82-6	2,4-DB	BRL		µg/kg dry	6.70	1	"	"	"	"	X
75-99-0	Dalapon	BRL		µg/kg dry	6.70	1	"	"	"	"	X
1918-00-9	Dicamba	BRL		µg/kg dry	6.70	1	"	"	"	"	X
120-36-5	Dichlorprop	BRL		µg/kg dry	6.70	1	"	"	"	"	X
88-85-7	Dinoseb	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-74-6	MCPA	BRL		µg/kg dry	670	1	"	"	"	"	X
94-81-5	MCPB	BRL		µg/kg dry	670	1	"	"	"	"	
93-65-2	MCPP	BRL		µg/kg dry	670	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*96*		*30-150 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C71	127-17797-08011	Soil	18-Dec-08 12:30	19-Dec-08
SA89114-08				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3550B											
8006-61-9	Gasoline	BRL		mg/kg dry	15.2	1	+CT ETPH	23-Dec-08	24-Dec-08	8121752	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	15.2	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	15.2	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	15.2	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	15.2	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	15.2	1	"	"	"	"	
	Unidentified	BRL		mg/kg dry	15.2	1	"	"	"	"	
	Other Oil	BRL		mg/kg dry	15.2	1	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL		mg/kg dry	15.2	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	15.2	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*103*		*50-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	BRL		mg/kg dry	1.53	1	SW846 6010B	23-Dec-08	26-Dec-08	8121709	X
7440-38-2	Arsenic	BRL		mg/kg dry	1.53	1	"	"	"	"	X
7440-39-3	Barium	44.9		mg/kg dry	1.02	1	"	"	"	"	X
7440-43-9	Cadmium	BRL		mg/kg dry	0.511	1	"	"	"	"	X
7440-47-3	Chromium	8.56		mg/kg dry	1.02	1	"	"	"	"	X
7439-97-6	Mercury	BRL		mg/kg dry	0.0312	1	SW846 7471A	"	29-Dec-08	8121710	X
7439-92-1	Lead	4.47		mg/kg dry	1.53	1	SW846 6010B	"	26-Dec-08	8121709	X
7782-49-2	Selenium	1.87		mg/kg dry	1.53	1	"	"	"	"	X
General Chemistry Parameters											
	% Solids	86.2		%		1	SM2540 G Mod.	22-Dec-08	22-Dec-08	8121722	

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8121776 - SW846 5035A Soil (low level)										
Blank (8121776-BLK1)										
Prepared & Analyzed: 23-Dec-08										
1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg wet	5.0						
Acetone	BRL		µg/kg wet	50.0						
Acrylonitrile	BRL		µg/kg wet	5.0						
Benzene	BRL		µg/kg wet	5.0						
Bromobenzene	BRL		µg/kg wet	5.0						
Bromochloromethane	BRL		µg/kg wet	5.0						
Bromodichloromethane	BRL		µg/kg wet	5.0						
Bromoform	BRL		µg/kg wet	5.0						
Bromomethane	BRL		µg/kg wet	10.0						
2-Butanone (MEK)	BRL		µg/kg wet	50.0						
n-Butylbenzene	BRL		µg/kg wet	5.0						
sec-Butylbenzene	BRL		µg/kg wet	5.0						
tert-Butylbenzene	BRL		µg/kg wet	5.0						
Carbon disulfide	BRL		µg/kg wet	25.0						
Carbon tetrachloride	BRL		µg/kg wet	5.0						
Chlorobenzene	BRL		µg/kg wet	5.0						
Chloroethane	BRL		µg/kg wet	10.0						
Chloroform	BRL		µg/kg wet	5.0						
Chloromethane	BRL		µg/kg wet	10.0						
2-Chlorotoluene	BRL		µg/kg wet	5.0						
4-Chlorotoluene	BRL		µg/kg wet	5.0						
1,2-Dibromo-3-chloropropane	BRL		µg/kg wet	10.0						
Dibromochloromethane	BRL		µg/kg wet	5.0						
1,2-Dibromoethane (EDB)	BRL		µg/kg wet	5.0						
Dibromomethane	BRL		µg/kg wet	5.0						
1,2-Dichlorobenzene	BRL		µg/kg wet	5.0						
1,3-Dichlorobenzene	BRL		µg/kg wet	5.0						
1,4-Dichlorobenzene	BRL		µg/kg wet	5.0						
Dichlorodifluoromethane (Freon12)	BRL		µg/kg wet	10.0						
1,1-Dichloroethane	BRL		µg/kg wet	5.0						
1,2-Dichloroethane	BRL		µg/kg wet	5.0						
1,1-Dichloroethene	BRL		µg/kg wet	5.0						
cis-1,2-Dichloroethene	BRL		µg/kg wet	5.0						
trans-1,2-Dichloroethene	BRL		µg/kg wet	5.0						
1,2-Dichloropropane	BRL		µg/kg wet	5.0						
1,3-Dichloropropane	BRL		µg/kg wet	5.0						
2,2-Dichloropropane	BRL		µg/kg wet	5.0						
1,1-Dichloropropene	BRL		µg/kg wet	5.0						
cis-1,3-Dichloropropene	BRL		µg/kg wet	5.0						
trans-1,3-Dichloropropene	BRL		µg/kg wet	5.0						
Ethylbenzene	BRL		µg/kg wet	5.0						
Hexachlorobutadiene	BRL		µg/kg wet	5.0						
2-Hexanone (MBK)	BRL		µg/kg wet	50.0						
Isopropylbenzene	BRL		µg/kg wet	5.0						
4-Isopropyltoluene	BRL		µg/kg wet	5.0						
Methyl tert-butyl ether	BRL		µg/kg wet	5.0						
4-Methyl-2-pentanone (MIBK)	BRL		µg/kg wet	50.0						
Methylene chloride	BRL		µg/kg wet	50.0						
Naphthalene	BRL		µg/kg wet	5.0						

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8121776 - SW846 5035A Soil (low level)										
Blank (8121776-BLK1)										
Prepared & Analyzed: 23-Dec-08										
n-Propylbenzene	BRL		µg/kg wet	5.0						
Styrene	BRL		µg/kg wet	5.0						
1,1,1,2-Tetrachloroethane	BRL		µg/kg wet	5.0						
1,1,2,2-Tetrachloroethane	BRL		µg/kg wet	5.0						
Tetrachloroethene	BRL		µg/kg wet	5.0						
Toluene	BRL		µg/kg wet	5.0						
1,2,3-Trichlorobenzene	BRL		µg/kg wet	5.0						
1,2,4-Trichlorobenzene	BRL		µg/kg wet	5.0						
1,3,5-Trichlorobenzene	BRL		µg/kg wet	5.0						
1,1,1-Trichloroethane	BRL		µg/kg wet	5.0						
1,1,2-Trichloroethane	BRL		µg/kg wet	5.0						
Trichloroethene	BRL		µg/kg wet	5.0						
Trichlorofluoromethane (Freon 11)	BRL		µg/kg wet	5.0						
1,2,3-Trichloropropane	BRL		µg/kg wet	5.0						
1,2,4-Trimethylbenzene	BRL		µg/kg wet	5.0						
1,3,5-Trimethylbenzene	BRL		µg/kg wet	5.0						
Vinyl chloride	BRL		µg/kg wet	5.0						
m,p-Xylene	BRL		µg/kg wet	10.0						
o-Xylene	BRL		µg/kg wet	5.0						
Tetrahydrofuran	BRL		µg/kg wet	50.0						
Ethyl ether	BRL		µg/kg wet	5.0						
Tert-amyl methyl ether	BRL		µg/kg wet	5.0						
Ethyl tert-butyl ether	BRL		µg/kg wet	5.0						
Di-isopropyl ether	BRL		µg/kg wet	5.0						
Tert-Butanol / butyl alcohol	BRL		µg/kg wet	50.0						
1,4-Dioxane	BRL		µg/kg wet	100						
trans-1,4-Dichloro-2-butene	BRL		µg/kg wet	25.0						
Ethanol	BRL		µg/kg wet	2000						
Surrogate: 4-Bromofluorobenzene	*47.3*		µg/kg wet		*50.0*		*95*	*70-130*		
Surrogate: Toluene-d8	*48.1*		µg/kg wet		*50.0*		*96*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*56.6*		µg/kg wet		*50.0*		*113*	*70-130*		
Surrogate: Dibromofluoromethane	*53.2*		µg/kg wet		*50.0*		*106*	*70-130*		
LCS (8121776-BS1)										
Prepared & Analyzed: 23-Dec-08										
1,1,2-Trichlorotrifluoroethane (Freon 113)	18.7		µg/kg wet		20.0		94	70-130		
Acetone	18.9		µg/kg wet		20.0		94	0-168		
Acrylonitrile	18.7		µg/kg wet		20.0		94	70-130		
Benzene	20.5		µg/kg wet		20.0		103	70-130		
Bromobenzene	18.2		µg/kg wet		20.0		91	70-130		
Bromochloromethane	16.3		µg/kg wet		20.0		81	70-130		
Bromodichloromethane	19.9		µg/kg wet		20.0		99	70-130		
Bromoform	19.4		µg/kg wet		20.0		97	70-130		
Bromomethane	16.4		µg/kg wet		20.0		82	40.9-138		
2-Butanone (MEK)	14.3		µg/kg wet		20.0		72	29.8-145		
n-Butylbenzene	20.1		µg/kg wet		20.0		100	70-130		
sec-Butylbenzene	18.7		µg/kg wet		20.0		93	70-130		
tert-Butylbenzene	18.1		µg/kg wet		20.0		91	70-130		
Carbon disulfide	22.3		µg/kg wet		20.0		112	70-130		
Carbon tetrachloride	20.5		µg/kg wet		20.0		102	70-130		
Chlorobenzene	19.3		µg/kg wet		20.0		96	70-130		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8121776 - SW846 5035A Soil (low level)										
LCS (8121776-BS1)										
Prepared & Analyzed: 23-Dec-08										
Chloroethane	17.8		µg/kg wet		20.0		89	47.5-130		
Chloroform	18.6		µg/kg wet		20.0		93	70-130		
Chloromethane	15.0		µg/kg wet		20.0		75	70-130		
2-Chlorotoluene	20.1		µg/kg wet		20.0		101	70-130		
4-Chlorotoluene	18.6		µg/kg wet		20.0		93	70-130		
1,2-Dibromo-3-chloropropane	19.0		µg/kg wet		20.0		95	70-130		
Dibromochloromethane	18.1		µg/kg wet		20.0		90	66.2-130		
1,2-Dibromoethane (EDB)	17.0		µg/kg wet		20.0		85	70-130		
Dibromomethane	18.2		µg/kg wet		20.0		91	70-130		
1,2-Dichlorobenzene	19.1		µg/kg wet		20.0		96	70-130		
1,3-Dichlorobenzene	17.2		µg/kg wet		20.0		86	70-130		
1,4-Dichlorobenzene	19.1		µg/kg wet		20.0		95	70-130		
Dichlorodifluoromethane (Freon12)	13.4		µg/kg wet		20.0		67	32-158		
1,1-Dichloroethane	19.2		µg/kg wet		20.0		96	70-130		
1,2-Dichloroethane	18.3		µg/kg wet		20.0		91	70-130		
1,1-Dichloroethene	20.0		µg/kg wet		20.0		100	70-130		
cis-1,2-Dichloroethene	19.0		µg/kg wet		20.0		95	70-130		
trans-1,2-Dichloroethene	20.4		µg/kg wet		20.0		102	70-130		
1,2-Dichloropropane	20.5		µg/kg wet		20.0		103	70-130		
1,3-Dichloropropane	18.0		µg/kg wet		20.0		90	70-130		
2,2-Dichloropropane	16.0		µg/kg wet		20.0		80	70-130		
1,1-Dichloropropene	19.7		µg/kg wet		20.0		99	70-130		
cis-1,3-Dichloropropene	17.8		µg/kg wet		20.0		89	70-130		
trans-1,3-Dichloropropene	18.1		µg/kg wet		20.0		90	70-130		
Ethylbenzene	20.3		µg/kg wet		20.0		101	70-130		
Hexachlorobutadiene	18.4		µg/kg wet		20.0		92	53.6-138		
2-Hexanone (MBK)	18.4		µg/kg wet		20.0		92	70-130		
Isopropylbenzene	20.6		µg/kg wet		20.0		103	70-130		
4-Isopropyltoluene	19.3		µg/kg wet		20.0		96	70-130		
Methyl tert-butyl ether	20.8		µg/kg wet		20.0		104	70-130		
4-Methyl-2-pentanone (MIBK)	18.0		µg/kg wet		20.0		90	53.5-137		
Methylene chloride	17.9		µg/kg wet		20.0		90	70-130		
Naphthalene	17.6		µg/kg wet		20.0		88	70-130		
n-Propylbenzene	19.6		µg/kg wet		20.0		98	70-130		
Styrene	19.2		µg/kg wet		20.0		96	70-130		
1,1,1,2-Tetrachloroethane	19.4		µg/kg wet		20.0		97	70-130		
1,1,2,2-Tetrachloroethane	18.0		µg/kg wet		20.0		90	70-130		
Tetrachloroethene	18.0		µg/kg wet		20.0		90	70-130		
Toluene	17.2		µg/kg wet		20.0		86	70-130		
1,2,3-Trichlorobenzene	18.1		µg/kg wet		20.0		91	70-130		
1,2,4-Trichlorobenzene	17.2		µg/kg wet		20.0		86	70-130		
1,3,5-Trichlorobenzene	19.0		µg/kg wet		20.0		95	70-130		
1,1,1-Trichloroethane	19.4		µg/kg wet		20.0		97	70-130		
1,1,2-Trichloroethane	18.2		µg/kg wet		20.0		91	70-130		
Trichloroethene	19.1		µg/kg wet		20.0		95	70-130		
Trichlorofluoromethane (Freon 11)	19.4		µg/kg wet		20.0		97	50.9-138		
1,2,3-Trichloropropane	16.6		µg/kg wet		20.0		83	70-130		
1,2,4-Trimethylbenzene	18.7		µg/kg wet		20.0		93	70-130		
1,3,5-Trimethylbenzene	18.9		µg/kg wet		20.0		95	70-130		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8121776 - SW846 5035A Soil (low level)										
LCS (8121776-BS1)										
Prepared & Analyzed: 23-Dec-08										
Vinyl chloride	16.5		µg/kg wet		20.0		83	70-130		
m,p-Xylene	39.2		µg/kg wet		40.0		98	70-130		
o-Xylene	19.0		µg/kg wet		20.0		95	70-130		
Tetrahydrofuran	18.2		µg/kg wet		20.0		91	70-130		
Ethyl ether	20.3		µg/kg wet		20.0		102	61.4-130		
Tert-amyl methyl ether	18.4		µg/kg wet		20.0		92	70-130		
Ethyl tert-butyl ether	19.9		µg/kg wet		20.0		100	70-130		
Di-isopropyl ether	21.2		µg/kg wet		20.0		106	70-130		
Tert-Butanol / butyl alcohol	178		µg/kg wet		200		89	70-130		
1,4-Dioxane	167		µg/kg wet		200		83	48.3-142		
trans-1,4-Dichloro-2-butene	16.5		µg/kg wet		20.0		83	70-130		
Ethanol	339		µg/kg wet		400		85	70-130		
Surrogate: 4-Bromofluorobenzene	*49.0*		µg/kg wet		*50.0*		*98*	*70-130*		
Surrogate: Toluene-d8	*47.3*		µg/kg wet		*50.0*		*95*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*47.9*		µg/kg wet		*50.0*		*96*	*70-130*		
Surrogate: Dibromofluoromethane	*47.6*		µg/kg wet		*50.0*		*95*	*70-130*		
LCS Dup (8121776-BSD1)										
Prepared & Analyzed: 23-Dec-08										
1,1,2-Trichlorotrifluoroethane (Freon 113)	19.4		µg/kg wet		20.0		97	70-130	4	25
Acetone	17.7		µg/kg wet		20.0		89	0-168	6	50
Acrylonitrile	20.1		µg/kg wet		20.0		100	70-130	7	25
Benzene	20.9		µg/kg wet		20.0		105	70-130	2	25
Bromobenzene	18.5		µg/kg wet		20.0		92	70-130	2	25
Bromochloromethane	17.5		µg/kg wet		20.0		88	70-130	7	25
Bromodichloromethane	20.9		µg/kg wet		20.0		105	70-130	5	25
Bromoform	20.0		µg/kg wet		20.0		100	70-130	3	25
Bromomethane	17.6		µg/kg wet		20.0		88	40.9-138	7	50
2-Butanone (MEK)	16.8		µg/kg wet		20.0		84	29.8-145	16	50
n-Butylbenzene	20.5		µg/kg wet		20.0		103	70-130	2	25
sec-Butylbenzene	19.5		µg/kg wet		20.0		97	70-130	4	25
tert-Butylbenzene	18.7		µg/kg wet		20.0		94	70-130	3	25
Carbon disulfide	23.4		µg/kg wet		20.0		117	70-130	5	25
Carbon tetrachloride	21.2		µg/kg wet		20.0		106	70-130	3	25
Chlorobenzene	19.5		µg/kg wet		20.0		97	70-130	0.8	25
Chloroethane	18.8		µg/kg wet		20.0		94	47.5-130	5	50
Chloroform	19.1		µg/kg wet		20.0		96	70-130	3	25
Chloromethane	15.8		µg/kg wet		20.0		79	70-130	5	25
2-Chlorotoluene	20.3		µg/kg wet		20.0		102	70-130	1	25
4-Chlorotoluene	19.6		µg/kg wet		20.0		98	70-130	5	25
1,2-Dibromo-3-chloropropane	20.8		µg/kg wet		20.0		104	70-130	9	25
Dibromochloromethane	18.9		µg/kg wet		20.0		94	66.2-130	4	50
1,2-Dibromoethane (EDB)	17.8		µg/kg wet		20.0		89	70-130	5	25
Dibromomethane	18.8		µg/kg wet		20.0		94	70-130	3	25
1,2-Dichlorobenzene	19.1		µg/kg wet		20.0		96	70-130	0	25
1,3-Dichlorobenzene	18.2		µg/kg wet		20.0		91	70-130	6	25
1,4-Dichlorobenzene	19.4		µg/kg wet		20.0		97	70-130	2	25
Dichlorodifluoromethane (Freon12)	14.0		µg/kg wet		20.0		70	32-158	4	50
1,1-Dichloroethane	19.5		µg/kg wet		20.0		97	70-130	2	25
1,2-Dichloroethane	19.4		µg/kg wet		20.0		97	70-130	6	25
1,1-Dichloroethene	21.7		µg/kg wet		20.0		109	70-130	8	25

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8121776 - SW846 5035A Soil (low level)										
LCS Dup (8121776-BSD1)										
Prepared & Analyzed: 23-Dec-08										
cis-1,2-Dichloroethene	19.1		µg/kg wet		20.0		95	70-130	0.4	25
trans-1,2-Dichloroethene	20.9		µg/kg wet		20.0		104	70-130	2	25
1,2-Dichloropropane	20.7		µg/kg wet		20.0		103	70-130	0.7	25
1,3-Dichloropropane	18.6		µg/kg wet		20.0		93	70-130	3	25
2,2-Dichloropropane	16.8		µg/kg wet		20.0		84	70-130	4	25
1,1-Dichloropropene	20.5		µg/kg wet		20.0		102	70-130	4	25
cis-1,3-Dichloropropene	18.7		µg/kg wet		20.0		93	70-130	5	25
trans-1,3-Dichloropropene	18.5		µg/kg wet		20.0		93	70-130	2	25
Ethylbenzene	20.7		µg/kg wet		20.0		103	70-130	2	25
Hexachlorobutadiene	19.0		µg/kg wet		20.0		95	53.6-138	3	50
2-Hexanone (MBK)	20.2		µg/kg wet		20.0		101	70-130	10	25
Isopropylbenzene	21.0		µg/kg wet		20.0		105	70-130	2	25
4-Isopropyltoluene	19.7		µg/kg wet		20.0		99	70-130	2	25
Methyl tert-butyl ether	20.7		µg/kg wet		20.0		103	70-130	0.8	25
4-Methyl-2-pentanone (MIBK)	19.9		µg/kg wet		20.0		99	53.5-137	10	50
Methylene chloride	19.6		µg/kg wet		20.0		98	70-130	9	25
Naphthalene	17.9		µg/kg wet		20.0		89	70-130	2	25
n-Propylbenzene	20.3		µg/kg wet		20.0		102	70-130	4	25
Styrene	19.6		µg/kg wet		20.0		98	70-130	2	25
1,1,1,2-Tetrachloroethane	19.8		µg/kg wet		20.0		99	70-130	2	25
1,1,2,2-Tetrachloroethane	19.4		µg/kg wet		20.0		97	70-130	7	25
Tetrachloroethene	18.5		µg/kg wet		20.0		92	70-130	3	25
Toluene	18.2		µg/kg wet		20.0		91	70-130	6	25
1,2,3-Trichlorobenzene	18.0		µg/kg wet		20.0		90	70-130	0.7	25
1,2,4-Trichlorobenzene	18.0		µg/kg wet		20.0		90	70-130	4	25
1,3,5-Trichlorobenzene	19.9		µg/kg wet		20.0		99	70-130	5	25
1,1,1-Trichloroethane	20.5		µg/kg wet		20.0		102	70-130	6	25
1,1,2-Trichloroethane	18.5		µg/kg wet		20.0		92	70-130	2	25
Trichloroethene	19.3		µg/kg wet		20.0		96	70-130	1	25
Trichlorofluoromethane (Freon 11)	20.1		µg/kg wet		20.0		100	50.9-138	4	50
1,2,3-Trichloropropane	17.9		µg/kg wet		20.0		90	70-130	8	25
1,2,4-Trimethylbenzene	19.5		µg/kg wet		20.0		97	70-130	4	25
1,3,5-Trimethylbenzene	19.6		µg/kg wet		20.0		98	70-130	3	25
Vinyl chloride	17.4		µg/kg wet		20.0		87	70-130	5	25
m,p-Xylene	40.5		µg/kg wet		40.0		101	70-130	3	25
o-Xylene	19.7		µg/kg wet		20.0		99	70-130	4	25
Tetrahydrofuran	20.3		µg/kg wet		20.0		102	70-130	11	25
Ethyl ether	22.3		µg/kg wet		20.0		111	61.4-130	9	50
Tert-amyl methyl ether	19.6		µg/kg wet		20.0		98	70-130	6	25
Ethyl tert-butyl ether	19.8		µg/kg wet		20.0		99	70-130	0.7	25
Di-isopropyl ether	21.7		µg/kg wet		20.0		108	70-130	2	25
Tert-Butanol / butyl alcohol	198		µg/kg wet		200		99	70-130	11	25
1,4-Dioxane	180		µg/kg wet		200		90	48.3-142	8	25
trans-1,4-Dichloro-2-butene	17.2		µg/kg wet		20.0		86	70-130	4	25
Ethanol	369		µg/kg wet		400		92	70-130	8	30
Surrogate: 4-Bromofluorobenzene	*49.2*		µg/kg wet		*50.0*		*98*	*70-130*		
Surrogate: Toluene-d8	*48.4*		µg/kg wet		*50.0*		*97*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*48.1*		µg/kg wet		*50.0*		*96*	*70-130*		
Surrogate: Dibromofluoromethane	*48.8*		µg/kg wet		*50.0*		*98*	*70-130*		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8121900 - SW846 5030 Soil (high level)										
Blank (8121900-BLK1)										
Prepared & Analyzed: 26-Dec-08										
1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg wet	1.0						
Acetone	BRL		µg/kg wet	10.0						
Acrylonitrile	BRL		µg/kg wet	1.0						
Benzene	BRL		µg/kg wet	1.0						
Bromobenzene	BRL		µg/kg wet	1.0						
Bromochloromethane	BRL		µg/kg wet	1.0						
Bromodichloromethane	BRL		µg/kg wet	1.0						
Bromoform	BRL		µg/kg wet	1.0						
Bromomethane	BRL		µg/kg wet	2.0						
2-Butanone (MEK)	BRL		µg/kg wet	10.0						
n-Butylbenzene	BRL		µg/kg wet	1.0						
sec-Butylbenzene	BRL		µg/kg wet	1.0						
tert-Butylbenzene	BRL		µg/kg wet	1.0						
Carbon disulfide	BRL		µg/kg wet	5.0						
Carbon tetrachloride	BRL		µg/kg wet	1.0						
Chlorobenzene	BRL		µg/kg wet	1.0						
Chloroethane	BRL		µg/kg wet	2.0						
Chloroform	BRL		µg/kg wet	1.0						
Chloromethane	BRL		µg/kg wet	2.0						
2-Chlorotoluene	BRL		µg/kg wet	1.0						
4-Chlorotoluene	BRL		µg/kg wet	1.0						
1,2-Dibromo-3-chloropropane	BRL		µg/kg wet	2.0						
Dibromochloromethane	BRL		µg/kg wet	1.0						
1,2-Dibromoethane (EDB)	BRL		µg/kg wet	1.0						
Dibromomethane	BRL		µg/kg wet	1.0						
1,2-Dichlorobenzene	BRL		µg/kg wet	1.0						
1,3-Dichlorobenzene	BRL		µg/kg wet	1.0						
1,4-Dichlorobenzene	BRL		µg/kg wet	1.0						
Dichlorodifluoromethane (Freon12)	BRL		µg/kg wet	2.0						
1,1-Dichloroethane	BRL		µg/kg wet	1.0						
1,2-Dichloroethane	BRL		µg/kg wet	1.0						
1,1-Dichloroethene	BRL		µg/kg wet	1.0						
cis-1,2-Dichloroethene	BRL		µg/kg wet	1.0						
trans-1,2-Dichloroethene	BRL		µg/kg wet	1.0						
1,2-Dichloropropane	BRL		µg/kg wet	1.0						
1,3-Dichloropropane	BRL		µg/kg wet	1.0						
2,2-Dichloropropane	BRL		µg/kg wet	1.0						
1,1-Dichloropropene	BRL		µg/kg wet	1.0						
cis-1,3-Dichloropropene	BRL		µg/kg wet	1.0						
trans-1,3-Dichloropropene	BRL		µg/kg wet	1.0						
Ethylbenzene	BRL		µg/kg wet	1.0						
Hexachlorobutadiene	BRL		µg/kg wet	1.0						
2-Hexanone (MBK)	BRL		µg/kg wet	10.0						
Isopropylbenzene	BRL		µg/kg wet	1.0						
4-Isopropyltoluene	BRL		µg/kg wet	1.0						
Methyl tert-butyl ether	BRL		µg/kg wet	1.0						
4-Methyl-2-pentanone (MIBK)	BRL		µg/kg wet	10.0						
Methylene chloride	BRL		µg/kg wet	10.0						
Naphthalene	BRL		µg/kg wet	1.0						
n-Propylbenzene	BRL		µg/kg wet	1.0						

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8121900 - SW846 5030 Soil (high level)										
Blank (8121900-BLK1)										
Prepared & Analyzed: 26-Dec-08										
Styrene	BRL		µg/kg wet	1.0						
1,1,1,2-Tetrachloroethane	BRL		µg/kg wet	1.0						
1,1,2,2-Tetrachloroethane	BRL		µg/kg wet	1.0						
Tetrachloroethene	BRL		µg/kg wet	1.0						
Toluene	BRL		µg/kg wet	1.0						
1,2,3-Trichlorobenzene	BRL		µg/kg wet	1.0						
1,2,4-Trichlorobenzene	BRL		µg/kg wet	1.0						
1,3,5-Trichlorobenzene	BRL		µg/kg wet	1.0						
1,1,1-Trichloroethane	BRL		µg/kg wet	1.0						
1,1,2-Trichloroethane	BRL		µg/kg wet	1.0						
Trichloroethene	BRL		µg/kg wet	1.0						
Trichlorofluoromethane (Freon 11)	BRL		µg/kg wet	1.0						
1,2,3-Trichloropropane	BRL		µg/kg wet	1.0						
1,2,4-Trimethylbenzene	BRL		µg/kg wet	1.0						
1,3,5-Trimethylbenzene	BRL		µg/kg wet	1.0						
Vinyl chloride	BRL		µg/kg wet	1.0						
m,p-Xylene	BRL		µg/kg wet	2.0						
o-Xylene	BRL		µg/kg wet	1.0						
Tetrahydrofuran	BRL		µg/kg wet	10.0						
Ethyl ether	BRL		µg/kg wet	1.0						
Tert-amyl methyl ether	BRL		µg/kg wet	1.0						
Ethyl tert-butyl ether	BRL		µg/kg wet	1.0						
Di-isopropyl ether	BRL		µg/kg wet	1.0						
Tert-Butanol / butyl alcohol	BRL		µg/kg wet	10.0						
1,4-Dioxane	BRL		µg/kg wet	20.0						
trans-1,4-Dichloro-2-butene	BRL		µg/kg wet	5.0						
Ethanol	BRL		µg/kg wet	400						
Surrogate: 4-Bromofluorobenzene	*30.9*		µg/kg wet		*30.0*		*103*	*70-130*		
Surrogate: Toluene-d8	*29.5*		µg/kg wet		*30.0*		*98*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*29.6*		µg/kg wet		*30.0*		*99*	*70-130*		
Surrogate: Dibromofluoromethane	*30.0*		µg/kg wet		*30.0*		*100*	*70-130*		
LCS (8121900-BS1)										
Prepared & Analyzed: 26-Dec-08										
1,1,2-Trichlorotrifluoroethane (Freon 113)	17.0		µg/kg wet		20.0		85	70-130		
Acetone	24.0		µg/kg wet		20.0		120	0-168		
Acrylonitrile	14.9		µg/kg wet		20.0		74	70-130		
Benzene	20.2		µg/kg wet		20.0		101	70-130		
Bromobenzene	22.2		µg/kg wet		20.0		111	70-130		
Bromochloromethane	20.8		µg/kg wet		20.0		104	70-130		
Bromodichloromethane	19.2		µg/kg wet		20.0		96	70-130		
Bromoform	20.3		µg/kg wet		20.0		102	70-130		
Bromomethane	17.9		µg/kg wet		20.0		90	40.9-138		
2-Butanone (MEK)	20.1		µg/kg wet		20.0		101	29.8-145		
n-Butylbenzene	19.0		µg/kg wet		20.0		95	70-130		
sec-Butylbenzene	22.6		µg/kg wet		20.0		113	70-130		
tert-Butylbenzene	22.3		µg/kg wet		20.0		112	70-130		
Carbon disulfide	15.4		µg/kg wet		20.0		77	70-130		
Carbon tetrachloride	20.4		µg/kg wet		20.0		102	70-130		
Chlorobenzene	22.2		µg/kg wet		20.0		111	70-130		
Chloroethane	17.6		µg/kg wet		20.0		88	47.5-130		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8121900 - SW846 5030 Soil (high level)										
LCS (8121900-BS1)										
Prepared & Analyzed: 26-Dec-08										
Chloroform	18.3		µg/kg wet		20.0		91	70-130		
Chloromethane	15.1		µg/kg wet		20.0		76	70-130		
2-Chlorotoluene	20.0		µg/kg wet		20.0		100	70-130		
4-Chlorotoluene	20.4		µg/kg wet		20.0		102	70-130		
1,2-Dibromo-3-chloropropane	18.4		µg/kg wet		20.0		92	70-130		
Dibromochloromethane	19.3		µg/kg wet		20.0		96	66.2-130		
1,2-Dibromoethane (EDB)	19.2		µg/kg wet		20.0		96	70-130		
Dibromomethane	19.8		µg/kg wet		20.0		99	70-130		
1,2-Dichlorobenzene	19.4		µg/kg wet		20.0		97	70-130		
1,3-Dichlorobenzene	21.4		µg/kg wet		20.0		107	70-130		
1,4-Dichlorobenzene	20.0		µg/kg wet		20.0		100	70-130		
Dichlorodifluoromethane (Freon12)	16.3		µg/kg wet		20.0		82	32-158		
1,1-Dichloroethane	15.9		µg/kg wet		20.0		80	70-130		
1,2-Dichloroethane	18.1		µg/kg wet		20.0		91	70-130		
1,1-Dichloroethene	16.5		µg/kg wet		20.0		83	70-130		
cis-1,2-Dichloroethene	16.0		µg/kg wet		20.0		80	70-130		
trans-1,2-Dichloroethene	18.1		µg/kg wet		20.0		90	70-130		
1,2-Dichloropropane	19.5		µg/kg wet		20.0		98	70-130		
1,3-Dichloropropane	19.5		µg/kg wet		20.0		97	70-130		
2,2-Dichloropropane	18.4		µg/kg wet		20.0		92	70-130		
1,1-Dichloropropene	20.4		µg/kg wet		20.0		102	70-130		
cis-1,3-Dichloropropene	18.9		µg/kg wet		20.0		94	70-130		
trans-1,3-Dichloropropene	17.4		µg/kg wet		20.0		87	70-130		
Ethylbenzene	21.3		µg/kg wet		20.0		107	70-130		
Hexachlorobutadiene	22.7		µg/kg wet		20.0		113	53.6-138		
2-Hexanone (MBK)	19.8		µg/kg wet		20.0		99	70-130		
Isopropylbenzene	23.2		µg/kg wet		20.0		116	70-130		
4-Isopropyltoluene	19.6		µg/kg wet		20.0		98	70-130		
Methyl tert-butyl ether	17.1		µg/kg wet		20.0		86	70-130		
4-Methyl-2-pentanone (MIBK)	17.6		µg/kg wet		20.0		88	53.5-137		
Methylene chloride	15.6		µg/kg wet		20.0		78	70-130		
Naphthalene	17.2		µg/kg wet		20.0		86	70-130		
n-Propylbenzene	22.4		µg/kg wet		20.0		112	70-130		
Styrene	21.1		µg/kg wet		20.0		106	70-130		
1,1,1,2-Tetrachloroethane	21.3		µg/kg wet		20.0		106	70-130		
1,1,2,2-Tetrachloroethane	21.3		µg/kg wet		20.0		106	70-130		
Tetrachloroethene	21.6		µg/kg wet		20.0		108	70-130		
Toluene	20.1		µg/kg wet		20.0		100	70-130		
1,2,3-Trichlorobenzene	20.3		µg/kg wet		20.0		102	70-130		
1,2,4-Trichlorobenzene	20.2		µg/kg wet		20.0		101	70-130		
1,3,5-Trichlorobenzene	21.2		µg/kg wet		20.0		106	70-130		
1,1,1-Trichloroethane	20.0		µg/kg wet		20.0		100	70-130		
1,1,2-Trichloroethane	19.3		µg/kg wet		20.0		97	70-130		
Trichloroethene	19.8		µg/kg wet		20.0		99	70-130		
Trichlorofluoromethane (Freon 11)	18.6		µg/kg wet		20.0		93	50.9-138		
1,2,3-Trichloropropane	18.7		µg/kg wet		20.0		93	70-130		
1,2,4-Trimethylbenzene	21.2		µg/kg wet		20.0		106	70-130		
1,3,5-Trimethylbenzene	21.7		µg/kg wet		20.0		109	70-130		
Vinyl chloride	16.2		µg/kg wet		20.0		81	70-130		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8121900 - SW846 5030 Soil (high level)										
LCS (8121900-BS1)										
Prepared & Analyzed: 26-Dec-08										
m,p-Xylene	42.8		µg/kg wet		40.0		107	70-130		
o-Xylene	21.3		µg/kg wet		20.0		106	70-130		
Tetrahydrofuran	18.5		µg/kg wet		20.0		93	70-130		
Ethyl ether	16.0		µg/kg wet		20.0		80	61.4-130		
Tert-amyl methyl ether	18.3		µg/kg wet		20.0		91	70-130		
Ethyl tert-butyl ether	19.3		µg/kg wet		20.0		96	70-130		
Di-isopropyl ether	17.3		µg/kg wet		20.0		87	70-130		
Tert-Butanol / butyl alcohol	169		µg/kg wet		200		84	70-130		
1,4-Dioxane	166		µg/kg wet		200		83	48.3-142		
trans-1,4-Dichloro-2-butene	19.7		µg/kg wet		20.0		99	70-130		
Ethanol	312		µg/kg wet		400		78	70-130		
Surrogate: 4-Bromofluorobenzene	*31.6*		µg/kg wet		*30.0*		*105*	*70-130*		
Surrogate: Toluene-d8	*29.8*		µg/kg wet		*30.0*		*99*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*28.5*		µg/kg wet		*30.0*		*95*	*70-130*		
Surrogate: Dibromofluoromethane	*30.9*		µg/kg wet		*30.0*		*103*	*70-130*		
LCS Dup (8121900-BSD1)										
Prepared & Analyzed: 26-Dec-08										
1,1,2-Trichlorotrifluoroethane (Freon 113)	17.6		µg/kg wet		20.0		88	70-130	4	25
Acetone	26.2		µg/kg wet		20.0		131	0-168	9	50
Acrylonitrile	16.2		µg/kg wet		20.0		81	70-130	8	25
Benzene	20.9		µg/kg wet		20.0		105	70-130	3	25
Bromobenzene	21.3		µg/kg wet		20.0		107	70-130	4	25
Bromochloromethane	20.8		µg/kg wet		20.0		104	70-130	0.05	25
Bromodichloromethane	19.7		µg/kg wet		20.0		99	70-130	2	25
Bromoform	19.4		µg/kg wet		20.0		97	70-130	5	25
Bromomethane	20.0		µg/kg wet		20.0		100	40.9-138	11	50
2-Butanone (MEK)	20.1		µg/kg wet		20.0		100	29.8-145	0.2	50
n-Butylbenzene	20.0		µg/kg wet		20.0		100	70-130	5	25
sec-Butylbenzene	22.6		µg/kg wet		20.0		113	70-130	0.09	25
tert-Butylbenzene	22.0		µg/kg wet		20.0		110	70-130	1	25
Carbon disulfide	16.4		µg/kg wet		20.0		82	70-130	6	25
Carbon tetrachloride	21.2		µg/kg wet		20.0		106	70-130	4	25
Chlorobenzene	21.7		µg/kg wet		20.0		108	70-130	2	25
Chloroethane	18.5		µg/kg wet		20.0		92	47.5-130	5	50
Chloroform	18.8		µg/kg wet		20.0		94	70-130	3	25
Chloromethane	16.8		µg/kg wet		20.0		84	70-130	10	25
2-Chlorotoluene	20.2		µg/kg wet		20.0		101	70-130	1	25
4-Chlorotoluene	20.9		µg/kg wet		20.0		104	70-130	2	25
1,2-Dibromo-3-chloropropane	18.0		µg/kg wet		20.0		90	70-130	2	25
Dibromochloromethane	19.0		µg/kg wet		20.0		95	66.2-130	2	50
1,2-Dibromoethane (EDB)	18.8		µg/kg wet		20.0		94	70-130	2	25
Dibromomethane	19.8		µg/kg wet		20.0		99	70-130	0.2	25
1,2-Dichlorobenzene	19.7		µg/kg wet		20.0		98	70-130	1	25
1,3-Dichlorobenzene	20.9		µg/kg wet		20.0		104	70-130	2	25
1,4-Dichlorobenzene	20.2		µg/kg wet		20.0		101	70-130	1	25
Dichlorodifluoromethane (Freon12)	17.8		µg/kg wet		20.0		89	32-158	9	50
1,1-Dichloroethane	17.4		µg/kg wet		20.0		87	70-130	9	25
1,2-Dichloroethane	19.6		µg/kg wet		20.0		98	70-130	7	25
1,1-Dichloroethene	18.1		µg/kg wet		20.0		91	70-130	9	25
cis-1,2-Dichloroethene	16.8		µg/kg wet		20.0		84	70-130	5	25

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8121900 - SW846 5030 Soil (high level)										
LCS Dup (8121900-BSD1)										
Prepared & Analyzed: 26-Dec-08										
trans-1,2-Dichloroethene	19.1		µg/kg wet		20.0		96	70-130	6	25
1,2-Dichloropropane	20.6		µg/kg wet		20.0		103	70-130	5	25
1,3-Dichloropropane	20.0		µg/kg wet		20.0		100	70-130	3	25
2,2-Dichloropropane	18.3		µg/kg wet		20.0		92	70-130	0.3	25
1,1-Dichloropropene	22.0		µg/kg wet		20.0		110	70-130	7	25
cis-1,3-Dichloropropene	19.5		µg/kg wet		20.0		98	70-130	3	25
trans-1,3-Dichloropropene	17.7		µg/kg wet		20.0		89	70-130	2	25
Ethylbenzene	22.0		µg/kg wet		20.0		110	70-130	3	25
Hexachlorobutadiene	22.7		µg/kg wet		20.0		114	53.6-138	0.2	50
2-Hexanone (MBK)	20.1		µg/kg wet		20.0		100	70-130	1	25
Isopropylbenzene	23.3		µg/kg wet		20.0		116	70-130	0.4	25
4-Isopropyltoluene	20.8		µg/kg wet		20.0		104	70-130	6	25
Methyl tert-butyl ether	18.1		µg/kg wet		20.0		91	70-130	6	25
4-Methyl-2-pentanone (MIBK)	19.6		µg/kg wet		20.0		98	53.5-137	11	50
Methylene chloride	16.3		µg/kg wet		20.0		82	70-130	5	25
Naphthalene	17.5		µg/kg wet		20.0		87	70-130	2	25
n-Propylbenzene	22.7		µg/kg wet		20.0		113	70-130	1	25
Styrene	20.7		µg/kg wet		20.0		104	70-130	2	25
1,1,1,2-Tetrachloroethane	20.7		µg/kg wet		20.0		104	70-130	3	25
1,1,2,2-Tetrachloroethane	21.2		µg/kg wet		20.0		106	70-130	0.5	25
Tetrachloroethene	20.4		µg/kg wet		20.0		102	70-130	5	25
Toluene	20.7		µg/kg wet		20.0		104	70-130	3	25
1,2,3-Trichlorobenzene	19.9		µg/kg wet		20.0		99	70-130	2	25
1,2,4-Trichlorobenzene	20.2		µg/kg wet		20.0		101	70-130	0.05	25
1,3,5-Trichlorobenzene	21.4		µg/kg wet		20.0		107	70-130	0.8	25
1,1,1-Trichloroethane	21.0		µg/kg wet		20.0		105	70-130	4	25
1,1,2-Trichloroethane	20.0		µg/kg wet		20.0		100	70-130	4	25
Trichloroethene	20.1		µg/kg wet		20.0		101	70-130	2	25
Trichlorofluoromethane (Freon 11)	19.9		µg/kg wet		20.0		99	50.9-138	7	50
1,2,3-Trichloropropane	19.5		µg/kg wet		20.0		98	70-130	4	25
1,2,4-Trimethylbenzene	21.0		µg/kg wet		20.0		105	70-130	0.7	25
1,3,5-Trimethylbenzene	21.7		µg/kg wet		20.0		108	70-130	0.2	25
Vinyl chloride	17.6		µg/kg wet		20.0		88	70-130	8	25
m,p-Xylene	42.5		µg/kg wet		40.0		106	70-130	0.6	25
o-Xylene	21.2		µg/kg wet		20.0		106	70-130	0.7	25
Tetrahydrofuran	21.1		µg/kg wet		20.0		106	70-130	13	25
Ethyl ether	16.8		µg/kg wet		20.0		84	61.4-130	5	50
Tert-amyl methyl ether	19.2		µg/kg wet		20.0		96	70-130	5	25
Ethyl tert-butyl ether	20.1		µg/kg wet		20.0		101	70-130	4	25
Di-isopropyl ether	18.9		µg/kg wet		20.0		95	70-130	9	25
Tert-Butanol / butyl alcohol	176		µg/kg wet		200		88	70-130	4	25
1,4-Dioxane	169		µg/kg wet		200		84	48.3-142	1	25
trans-1,4-Dichloro-2-butene	18.9		µg/kg wet		20.0		95	70-130	4	25
Ethanol	295		µg/kg wet		400		74	70-130	5	30
Surrogate: 4-Bromofluorobenzene	*30.2*		µg/kg wet		*30.0*		*101*	*70-130*		
Surrogate: Toluene-d8	*29.8*		µg/kg wet		*30.0*		*99*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*28.8*		µg/kg wet		*30.0*		*96*	*70-130*		
Surrogate: Dibromofluoromethane	*30.4*		µg/kg wet		*30.0*		*101*	*70-130*		
Matrix Spike (8121900-MS1)	**Source: SA89114-07**									
Prepared & Analyzed: 26-Dec-08										

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Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8121900 - SW846 5030 Soil (high level)										
Matrix Spike (8121900-MS1)	**Source: SA89114-07**									
Prepared & Analyzed: 26-Dec-08										
Benzene	20.2		µg/kg dry		20.0	BRL	101	70-130		
Chlorobenzene	21.7		µg/kg dry		20.0	BRL	108	70-130		
1,1-Dichloroethene	16.8		µg/kg dry		20.0	BRL	84	70-130		
Toluene	20.9		µg/kg dry		20.0	0.9	100	70-130		
Trichloroethene	18.9		µg/kg dry		20.0	BRL	94	70-130		
Surrogate: 4-Bromofluorobenzene	*31.6*		µg/kg dry		*30.0*		*105*	*70-130*		
Surrogate: Toluene-d8	*30.0*		µg/kg dry		*30.0*		*100*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*28.4*		µg/kg dry		*30.0*		*94*	*70-130*		
Surrogate: Dibromofluoromethane	*28.4*		µg/kg dry		*30.0*		*95*	*70-130*		
Matrix Spike Dup (8121900-MSD1)	**Source: SA89114-07**									
Prepared & Analyzed: 26-Dec-08										
Benzene	22.4		µg/kg dry		20.0	BRL	112	70-130	11	30
Chlorobenzene	28.1	QM7	µg/kg dry		20.0	BRL	140	70-130	26	30
1,1-Dichloroethene	17.9		µg/kg dry		20.0	BRL	89	70-130	6	30
Toluene	24.2		µg/kg dry		20.0	0.9	117	70-130	15	30
Trichloroethene	21.7		µg/kg dry		20.0	BRL	109	70-130	14	30
Surrogate: 4-Bromofluorobenzene	*31.8*		µg/kg dry		*30.0*		*106*	*70-130*		
Surrogate: Toluene-d8	*29.6*		µg/kg dry		*30.0*		*99*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*27.7*		µg/kg dry		*30.0*		*92*	*70-130*		
Surrogate: Dibromofluoromethane	*29.3*		µg/kg dry		*30.0*		*98*	*70-130*		

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8121750 - SW846 3550B										
Blank (8121750-BLK1)										
Prepared: 23-Dec-08 Analyzed: 29-Dec-08										
Acenaphthene	BRL		µg/kg wet	330						
Acenaphthylene	BRL		µg/kg wet	330						
Aniline	BRL		µg/kg wet	330						
Anthracene	BRL		µg/kg wet	330						
Atrazine	BRL		µg/kg wet	330						
Azobenzene/Diphenyldiazine	BRL		µg/kg wet	330						
Benzidine	BRL		µg/kg wet	330						
Benzo (a) anthracene	BRL		µg/kg wet	330						
Benzo (a) pyrene	BRL		µg/kg wet	330						
Benzo (b) fluoranthene	BRL		µg/kg wet	330						
Benzo (g,h,i) perylene	BRL		µg/kg wet	330						
Benzo (k) fluoranthene	BRL		µg/kg wet	330						
Benzoic acid	BRL		µg/kg wet	330						
Benzyl alcohol	BRL		µg/kg wet	330						
Bis(2-chloroethoxy)methane	BRL		µg/kg wet	330						
Bis(2-chloroethyl)ether	BRL		µg/kg wet	330						
Bis(2-chloroisopropyl)ether	BRL		µg/kg wet	330						
Bis(2-ethylhexyl)phthalate	BRL		µg/kg wet	330						
4-Bromophenyl phenyl ether	BRL		µg/kg wet	330						
Butyl benzyl phthalate	BRL		µg/kg wet	330						
Carbazole	BRL		µg/kg wet	330						
4-Chloro-3-methylphenol	BRL		µg/kg wet	330						
4-Chloroaniline	BRL		µg/kg wet	330						
2-Chloronaphthalene	BRL		µg/kg wet	330						
2-Chlorophenol	BRL		µg/kg wet	330						
4-Chlorophenyl phenyl ether	BRL		µg/kg wet	330						
Chrysene	BRL		µg/kg wet	330						
Dibenzo (a,h) anthracene	BRL		µg/kg wet	330						
Dibenzofuran	BRL		µg/kg wet	330						
1,2-Dichlorobenzene	BRL		µg/kg wet	330						
1,3-Dichlorobenzene	BRL		µg/kg wet	330						
1,4-Dichlorobenzene	BRL		µg/kg wet	330						
3,3'-Dichlorobenzidine	BRL		µg/kg wet	330						
2,4-Dichlorophenol	BRL		µg/kg wet	330						
Diethyl phthalate	BRL		µg/kg wet	330						
Dimethyl phthalate	BRL		µg/kg wet	330						
2,4-Dimethylphenol	BRL		µg/kg wet	330						
Di-n-butyl phthalate	BRL		µg/kg wet	330						
4,6-Dinitro-2-methylphenol	BRL		µg/kg wet	330						
2,4-Dinitrophenol	BRL		µg/kg wet	330						
2,4-Dinitrotoluene	BRL		µg/kg wet	330						
2,6-Dinitrotoluene	BRL		µg/kg wet	330						
Di-n-octyl phthalate	BRL		µg/kg wet	330						
Fluoranthene	BRL		µg/kg wet	330						
Fluorene	BRL		µg/kg wet	330						
Hexachlorobenzene	BRL		µg/kg wet	330						
Hexachlorobutadiene	BRL		µg/kg wet	330						
Hexachlorocyclopentadiene	BRL		µg/kg wet	330						
Hexachloroethane	BRL		µg/kg wet	330						

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8121750 - SW846 3550B										
Blank (8121750-BLK1)										
Prepared: 23-Dec-08 Analyzed: 29-Dec-08										
Indeno (1,2,3-cd) pyrene	BRL		µg/kg wet	330						
1-Methylnaphthalene	BRL		µg/kg wet	330						
Isophorone	BRL		µg/kg wet	330						
2-Methylnaphthalene	BRL		µg/kg wet	330						
2-Methylphenol	BRL		µg/kg wet	330						
3 & 4-Methylphenol	BRL		µg/kg wet	330						
Naphthalene	BRL		µg/kg wet	330						
2-Nitroaniline	BRL		µg/kg wet	330						
3-Nitroaniline	BRL		µg/kg wet	330						
4-Nitroaniline	BRL		µg/kg wet	1320						
Nitrobenzene	BRL		µg/kg wet	330						
2-Nitrophenol	BRL		µg/kg wet	330						
4-Nitrophenol	BRL		µg/kg wet	1320						
N-Nitrosodimethylamine	BRL		µg/kg wet	330						
N-Nitrosodi-n-propylamine	BRL		µg/kg wet	330						
N-Nitrosodiphenylamine	BRL		µg/kg wet	330						
Pentachlorophenol	BRL		µg/kg wet	330						
Phenanthrene	BRL		µg/kg wet	330						
Phenol	BRL		µg/kg wet	330						
Pyrene	BRL		µg/kg wet	330						
Pyridine	BRL		µg/kg wet	330						
1,2,4-Trichlorobenzene	BRL		µg/kg wet	330						
2,4,5-Trichlorophenol	BRL		µg/kg wet	330						
2,4,6-Trichlorophenol	BRL		µg/kg wet	330						
Pentachloronitrobenzene	BRL		µg/kg wet	330						
1,2,4,5-Tetrachlorobenzene	BRL		µg/kg wet	330						
Surrogate: 2-Fluorobiphenyl	*2420*		µg/kg wet		*3330*		*73*	*30-130*		
Surrogate: 2-Fluorophenol	*1880*		µg/kg wet		*3330*		*56*	*15-110*		
Surrogate: Nitrobenzene-d5	*2250*		µg/kg wet		*3330*		*68*	*30-130*		
Surrogate: Phenol-d5	*2200*		µg/kg wet		*3330*		*66*	*15-110*		
Surrogate: Terphenyl-dl4	*2840*		µg/kg wet		*3330*		*85*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*2590*		µg/kg wet		*3330*		*78*	*15-110*		
LCS (8121750-BS1)										
Prepared: 23-Dec-08 Analyzed: 29-Dec-08										
Acenaphthene	2670		µg/kg wet	330	3330		80	40-130		
Acenaphthylene	2650		µg/kg wet	330	3330		80	40-130		
Aniline	1120	QC2	µg/kg wet	330	3330		34	40-130		
Anthracene	2480		µg/kg wet	330	3330		74	40-130		
Atrazine	2010		µg/kg wet	330	3330		60	40-130		
Azobenzene/Diphenyldiazine	2460		µg/kg wet	330	3330		74	40-130		
Benzidine	BRL		µg/kg wet	330	3330			0-130		
Benzo (a) anthracene	2930		µg/kg wet	330	3330		88	40-130		
Benzo (a) pyrene	2610		µg/kg wet	330	3330		78	40-130		
Benzo (b) fluoranthene	2540		µg/kg wet	330	3330		76	40-130		
Benzo (g,h,i) perylene	2120		µg/kg wet	330	3330		64	40-130		
Benzo (k) fluoranthene	3090		µg/kg wet	330	3330		93	40-130		
Benzoic acid	2020		µg/kg wet	330	3330		61	3.25-130		
Benzyl alcohol	1820		µg/kg wet	330	3330		55	40-130		
Bis(2-chloroethoxy)methane	2780		µg/kg wet	330	3330		83	40-130		
Bis(2-chloroethyl)ether	2880		µg/kg wet	330	3330		87	40-130		

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8121750 - SW846 3550B										
LCS (8121750-BS1)										
Prepared: 23-Dec-08 Analyzed: 29-Dec-08										
Bis(2-chloroisopropyl)ether	2770		µg/kg wet	330	3330		83	40-130		
Bis(2-ethylhexyl)phthalate	3530		µg/kg wet	330	3330		106	40-130		
4-Bromophenyl phenyl ether	2760		µg/kg wet	330	3330		83	40-130		
Butyl benzyl phthalate	3480		µg/kg wet	330	3330		104	40-130		
Carbazole	2390		µg/kg wet	330	3330		72	40-130		
4-Chloro-3-methylphenol	2460		µg/kg wet	330	3330		74	40-130		
4-Chloroaniline	1770		µg/kg wet	330	3330		53	40-130		
2-Chloronaphthalene	2440		µg/kg wet	330	3330		73	40-130		
2-Chlorophenol	2410		µg/kg wet	330	3330		72	40-130		
4-Chlorophenyl phenyl ether	3030		µg/kg wet	330	3330		91	40-130		
Chrysene	3040		µg/kg wet	330	3330		91	40-130		
Dibenzo (a,h) anthracene	2080		µg/kg wet	330	3330		62	40-130		
Dibenzofuran	2530		µg/kg wet	330	3330		76	40-130		
1,2-Dichlorobenzene	2260		µg/kg wet	330	3330		68	40-130		
1,3-Dichlorobenzene	2140		µg/kg wet	330	3330		64	40-130		
1,4-Dichlorobenzene	2610		µg/kg wet	330	3330		78	40-130		
3,3'-Dichlorobenzidine	2010		µg/kg wet	330	3330		60	40-130		
2,4-Dichlorophenol	2510		µg/kg wet	330	3330		75	40-130		
Diethyl phthalate	2950		µg/kg wet	330	3330		89	40-130		
Dimethyl phthalate	3080		µg/kg wet	330	3330		92	40-130		
2,4-Dimethylphenol	2380		µg/kg wet	330	3330		71	40-130		
Di-n-butyl phthalate	2810		µg/kg wet	330	3330		84	40-130		
4,6-Dinitro-2-methylphenol	2480		µg/kg wet	330	3330		74	40-130		
2,4-Dinitrophenol	2480		µg/kg wet	330	3330		74	40-130		
2,4-Dinitrotoluene	2740		µg/kg wet	330	3330		82	40-130		
2,6-Dinitrotoluene	2670		µg/kg wet	330	3330		80	40-130		
Di-n-octyl phthalate	3560		µg/kg wet	330	3330		107	40-130		
Fluoranthene	2450		µg/kg wet	330	3330		74	40-130		
Fluorene	2540		µg/kg wet	330	3330		76	40-130		
Hexachlorobenzene	2320		µg/kg wet	330	3330		70	40-130		
Hexachlorobutadiene	2420		µg/kg wet	330	3330		73	40-130		
Hexachlorocyclopentadiene	2100		µg/kg wet	330	3330		63	40-130		
Hexachloroethane	2310		µg/kg wet	330	3330		69	40-130		
Indeno (1,2,3-cd) pyrene	2090		µg/kg wet	330	3330		63	40-130		
1-Methylnaphthalene	2610		µg/kg wet	330	3330		78	40-140		
Isophorone	2320		µg/kg wet	330	3330		70	40-130		
2-Methylnaphthalene	2500		µg/kg wet	330	3330		75	40-130		
2-Methylphenol	2240		µg/kg wet	330	3330		67	40-130		
3 & 4-Methylphenol	2620		µg/kg wet	330	3330		79	40-130		
Naphthalene	2420		µg/kg wet	330	3330		73	40-130		
2-Nitroaniline	2640		µg/kg wet	330	3330		79	40-130		
3-Nitroaniline	2080		µg/kg wet	330	3330		62	40-130		
4-Nitroaniline	2450		µg/kg wet	1320	3330		74	40-130		
Nitrobenzene	2310		µg/kg wet	330	3330		69	40-130		
2-Nitrophenol	2490		µg/kg wet	330	3330		75	40-130		
4-Nitrophenol	2650		µg/kg wet	1320	3330		80	40-130		
N-Nitrosodimethylamine	2840		µg/kg wet	330	3330		85	40-130		
N-Nitrosodi-n-propylamine	2760		µg/kg wet	330	3330		83	40-130		
N-Nitrosodiphenylamine	2750		µg/kg wet	330	3330		82	40-130		

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8121750 - SW846 3550B										
LCS (8121750-BS1)										
Prepared: 23-Dec-08 Analyzed: 29-Dec-08										
Pentachlorophenol	2120		µg/kg wet	330	3330		64	40-130		
Phenanthrene	2400		µg/kg wet	330	3330		72	40-130		
Phenol	2450		µg/kg wet	330	3330		73	40-130		
Pyrene	3120		µg/kg wet	330	3330		94	40-130		
Pyridine	740		µg/kg wet	330	3330		22	0-130		
1,2,4-Trichlorobenzene	2410		µg/kg wet	330	3330		72	40-130		
2,4,5-Trichlorophenol	2680		µg/kg wet	330	3330		80	40-130		
2,4,6-Trichlorophenol	2460		µg/kg wet	330	3330		74	40-130		
Pentachloronitrobenzene	2430		µg/kg wet	330	3330		73	40-140		
1,2,4,5-Tetrachlorobenzene	2380		µg/kg wet	330	3330		72	40-140		
Surrogate: 2-Fluorobiphenyl	*2590*		µg/kg wet		*3330*		*78*	*30-130*		
Surrogate: 2-Fluorophenol	*2290*		µg/kg wet		*3330*		*69*	*15-110*		
Surrogate: Nitrobenzene-d5	*2470*		µg/kg wet		*3330*		*74*	*30-130*		
Surrogate: Phenol-d5	*2120*		µg/kg wet		*3330*		*64*	*15-110*		
Surrogate: Terphenyl-dl4	*2910*		µg/kg wet		*3330*		*87*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*2640*		µg/kg wet		*3330*		*79*	*15-110*		
Duplicate (8121750-DUP1) **Source: SA89114-06**										
Prepared: 23-Dec-08 Analyzed: 29-Dec-08										
Acenaphthene	BRL		µg/kg dry	190		BRL				50
Acenaphthylene	BRL		µg/kg dry	190		BRL				50
Aniline	BRL		µg/kg dry	190		BRL				50
Anthracene	BRL		µg/kg dry	190		BRL				50
Atrazine	BRL		µg/kg dry	190		BRL				50
Azobenzene/Diphenyldiazine	BRL		µg/kg dry	190		BRL				50
Benzidine	BRL		µg/kg dry	190		BRL				50
Benzo (a) anthracene	BRL		µg/kg dry	190		BRL				50
Benzo (a) pyrene	BRL		µg/kg dry	190		BRL				50
Benzo (b) fluoranthene	BRL		µg/kg dry	190		BRL				50
Benzo (g,h,i) perylene	BRL		µg/kg dry	190		BRL				50
Benzo (k) fluoranthene	BRL		µg/kg dry	190		BRL				50
Benzoic acid	BRL		µg/kg dry	190		BRL				50
Benzyl alcohol	BRL		µg/kg dry	190		BRL				50
Bis(2-chloroethoxy)methane	BRL		µg/kg dry	190		BRL				50
Bis(2-chloroethyl)ether	BRL		µg/kg dry	190		BRL				50
Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	190		BRL				50
Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	190		BRL				50
4-Bromophenyl phenyl ether	BRL		µg/kg dry	190		BRL				50
Butyl benzyl phthalate	BRL		µg/kg dry	190		BRL				50
Carbazole	BRL		µg/kg dry	190		BRL				50
4-Chloro-3-methylphenol	BRL		µg/kg dry	190		BRL				50
4-Chloroaniline	BRL		µg/kg dry	190		BRL				50
2-Chloronaphthalene	BRL		µg/kg dry	190		BRL				50
2-Chlorophenol	BRL		µg/kg dry	190		BRL				50
4-Chlorophenyl phenyl ether	BRL		µg/kg dry	190		BRL				50
Chrysene	BRL		µg/kg dry	190		BRL				50
Dibenzo (a,h) anthracene	BRL		µg/kg dry	190		BRL				50
Dibenzofuran	BRL		µg/kg dry	190		BRL				50
1,2-Dichlorobenzene	BRL		µg/kg dry	190		BRL				50
1,3-Dichlorobenzene	BRL		µg/kg dry	190		BRL				50
1,4-Dichlorobenzene	BRL		µg/kg dry	190		BRL				50

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8121750 - SW846 3550B										
Duplicate (8121750-DUP1) **Source: SA89114-06**										
Prepared: 23-Dec-08 Analyzed: 29-Dec-08										
3,3'-Dichlorobenzidine	BRL		µg/kg dry	190		BRL				50
2,4-Dichlorophenol	BRL		µg/kg dry	190		BRL				50
Diethyl phthalate	BRL		µg/kg dry	190		BRL				50
Dimethyl phthalate	BRL		µg/kg dry	190		BRL				50
2,4-Dimethylphenol	BRL		µg/kg dry	190		BRL				50
Di-n-butyl phthalate	BRL		µg/kg dry	190		BRL				50
4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	190		BRL				50
2,4-Dinitrophenol	BRL		µg/kg dry	190		BRL				50
2,4-Dinitrotoluene	BRL		µg/kg dry	190		BRL				50
2,6-Dinitrotoluene	BRL		µg/kg dry	190		BRL				50
Di-n-octyl phthalate	BRL		µg/kg dry	190		BRL				50
Fluoranthene	BRL		µg/kg dry	190		BRL				50
Fluorene	BRL		µg/kg dry	190		BRL				50
Hexachlorobenzene	BRL		µg/kg dry	190		BRL				50
Hexachlorobutadiene	BRL		µg/kg dry	190		BRL				50
Hexachlorocyclopentadiene	BRL		µg/kg dry	190		BRL				50
Hexachloroethane	BRL		µg/kg dry	190		BRL				50
Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	190		BRL				50
1-Methylnaphthalene	BRL		µg/kg dry	190		BRL				50
Isophorone	BRL		µg/kg dry	190		BRL				50
2-Methylnaphthalene	BRL		µg/kg dry	190		BRL				50
2-Methylphenol	BRL		µg/kg dry	190		BRL				50
3 & 4-Methylphenol	BRL		µg/kg dry	190		BRL				50
Naphthalene	BRL		µg/kg dry	190		BRL				50
2-Nitroaniline	BRL		µg/kg dry	190		BRL				50
3-Nitroaniline	BRL		µg/kg dry	190		BRL				50
4-Nitroaniline	BRL		µg/kg dry	760		BRL				50
Nitrobenzene	BRL		µg/kg dry	190		BRL				50
2-Nitrophenol	BRL		µg/kg dry	190		BRL				50
4-Nitrophenol	BRL		µg/kg dry	760		BRL				50
N-Nitrosodimethylamine	BRL		µg/kg dry	190		BRL				50
N-Nitrosodi-n-propylamine	BRL		µg/kg dry	190		BRL				50
N-Nitrosodiphenylamine	BRL		µg/kg dry	190		BRL				50
Pentachlorophenol	BRL		µg/kg dry	190		BRL				50
Phenanthrene	BRL		µg/kg dry	190		BRL				50
Phenol	BRL		µg/kg dry	190		BRL				50
Pyrene	BRL		µg/kg dry	190		BRL				50
Pyridine	BRL		µg/kg dry	190		BRL				50
1,2,4-Trichlorobenzene	BRL		µg/kg dry	190		BRL				50
2,4,5-Trichlorophenol	BRL		µg/kg dry	190		BRL				50
2,4,6-Trichlorophenol	BRL		µg/kg dry	190		BRL				50
Pentachloronitrobenzene	BRL		µg/kg dry	190		BRL				50
1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	190		BRL				50
Surrogate: 2-Fluorobiphenyl	*718*		µg/kg dry		*1920*		*37*	*30-130*		
Surrogate: 2-Fluorophenol	*748*		µg/kg dry		*1920*		*39*	*15-110*		
Surrogate: Nitrobenzene-d5	*639*		µg/kg dry		*1920*		*33*	*30-130*		
Surrogate: Phenol-d5	*656*		µg/kg dry		*1920*		*34*	*15-110*		
Surrogate: Terphenyl-d14	*1080*		µg/kg dry		*1920*		*56*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*742*		µg/kg dry		*1920*		*39*	*15-110*		

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8121750 - SW846 3550B										
Matrix Spike (8121750-MS1) **Source: SA89114-06**										
Prepared: 23-Dec-08 Analyzed: 29-Dec-08										
Acenaphthene	1300		µg/kg dry	187	1890	BRL	69	40-140		
Benzo (b) fluoranthene	1320		µg/kg dry	187	1890	BRL	70	40-140		
Benzo (k) fluoranthene	1430		µg/kg dry	187	1890	BRL	76	40-140		
4-Chloro-3-methylphenol	1170		µg/kg dry	187	1890	BRL	62	30-130		
2-Chlorophenol	1110		µg/kg dry	187	1890	BRL	59	30-130		
Chrysene	1510		µg/kg dry	187	1890	BRL	80	40-140		
1,4-Dichlorobenzene	1180		µg/kg dry	187	1890	BRL	63	40-140		
Indeno (1,2,3-cd) pyrene	1250		µg/kg dry	187	1890	BRL	66	40-140		
Naphthalene	1110		µg/kg dry	187	1890	BRL	59	40-140		
4-Nitrophenol	1110		µg/kg dry	749	1890	BRL	59	30-130		
N-Nitrosodi-n-propylamine	1300		µg/kg dry	187	1890	BRL	69	40-140		
Pentachlorophenol	932		µg/kg dry	187	1890	BRL	49	30-130		
Phenol	1120		µg/kg dry	187	1890	BRL	59	30-130		
Pyrene	2020		µg/kg dry	187	1890	BRL	107	40-140		
1,2,4-Trichlorobenzene	1070		µg/kg dry	187	1890	BRL	57	40-140		
Surrogate: 2-Fluorobiphenyl	*811*		µg/kg dry		*1890*		*43*	*30-130*		
Surrogate: 2-Fluorophenol	*703*		µg/kg dry		*1890*		*37*	*15-110*		
Surrogate: Nitrobenzene-d5	*734*		µg/kg dry		*1890*		*39*	*30-130*		
Surrogate: Phenol-d5	*654*		µg/kg dry		*1890*		*35*	*15-110*		
Surrogate: Terphenyl-dl4	*1260*		µg/kg dry		*1890*		*66*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*846*		µg/kg dry		*1890*		*45*	*15-110*		
Matrix Spike Dup (8121750-MSD1) **Source: SA89114-06**										
Prepared: 23-Dec-08 Analyzed: 29-Dec-08										
Acenaphthene	1130		µg/kg dry	188	1900	BRL	59	40-140	15	30
Benzo (b) fluoranthene	1100		µg/kg dry	188	1900	BRL	58	40-140	18	30
Benzo (k) fluoranthene	1300		µg/kg dry	188	1900	BRL	69	40-140	10	30
4-Chloro-3-methylphenol	1060		µg/kg dry	188	1900	BRL	56	30-130	11	30
2-Chlorophenol	1020		µg/kg dry	188	1900	BRL	54	30-130	9	30
Chrysene	1340		µg/kg dry	188	1900	BRL	71	40-140	12	30
1,4-Dichlorobenzene	1050		µg/kg dry	188	1900	BRL	55	40-140	13	30
Indeno (1,2,3-cd) pyrene	1030		µg/kg dry	188	1900	BRL	54	40-140	20	30
Naphthalene	993		µg/kg dry	188	1900	BRL	52	40-140	12	30
4-Nitrophenol	997		µg/kg dry	752	1900	BRL	52	30-130	11	30
N-Nitrosodi-n-propylamine	1200		µg/kg dry	188	1900	BRL	63	40-140	8	30
Pentachlorophenol	623	QM7	µg/kg dry	188	1900	BRL	33	30-130	40	30
Phenol	1090		µg/kg dry	188	1900	BRL	57	30-130	4	30
Pyrene	1760		µg/kg dry	188	1900	BRL	93	40-140	14	30
1,2,4-Trichlorobenzene	963		µg/kg dry	188	1900	BRL	51	40-140	11	30
Surrogate: 2-Fluorobiphenyl	*912*		µg/kg dry		*1900*		*48*	*30-130*		
Surrogate: 2-Fluorophenol	*818*		µg/kg dry		*1900*		*43*	*15-110*		
Surrogate: Nitrobenzene-d5	*854*		µg/kg dry		*1900*		*45*	*30-130*		
Surrogate: Phenol-d5	*758*		µg/kg dry		*1900*		*40*	*15-110*		
Surrogate: Terphenyl-dl4	*1400*		µg/kg dry		*1900*		*74*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*941*		µg/kg dry		*1900*		*50*	*15-110*		

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8121748 - SW846 3550B										
Blank (8121748-BLK1)										
Prepared: 23-Dec-08 Analyzed: 26-Dec-08										
2,4,5-T	BRL		µg/kg wet	6.70						
2,4,5-T [2C]	BRL		µg/kg wet	6.70						
2,4,5-TP (Silvex)	BRL		µg/kg wet	6.70						
2,4,5-TP (Silvex) [2C]	BRL		µg/kg wet	6.70						
2,4-D	BRL		µg/kg wet	6.70						
2,4-D [2C]	BRL		µg/kg wet	6.70						
2,4-DB	BRL		µg/kg wet	6.70						
2,4-DB [2C]	BRL		µg/kg wet	6.70						
Dalapon	BRL		µg/kg wet	6.70						
Dalapon [2C]	BRL		µg/kg wet	6.70						
Dicamba	BRL		µg/kg wet	6.70						
Dicamba [2C]	BRL		µg/kg wet	6.70						
Dichlorprop	BRL		µg/kg wet	6.70						
Dichlorprop [2C]	BRL		µg/kg wet	6.70						
Dinoseb	BRL		µg/kg wet	6.70						
Dinoseb [2C]	BRL		µg/kg wet	6.70						
MCPA	BRL		µg/kg wet	670						
MCPA [2C]	BRL		µg/kg wet	670						
MCPB	BRL		µg/kg wet	670						
MCPB [2C]	BRL		µg/kg wet	670						
MCPP	BRL		µg/kg wet	670						
MCPP [2C]	BRL		µg/kg wet	670						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*11.8*		µg/kg wet		*13.3*		*89*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [:	*14.6*		µg/kg wet		*13.3*		*110*	*30-150*		
LCS (8121748-BS1)										
Prepared: 23-Dec-08 Analyzed: 26-Dec-08										
2,4,5-T	15.9		µg/kg wet	6.70	33.3		48	40-140		
2,4,5-T [2C]	15.8		µg/kg wet	6.70	33.3		47	40-140		
2,4,5-TP (Silvex)	15.8		µg/kg wet	6.70	33.3		47	40-140		
2,4,5-TP (Silvex) [2C]	16.8		µg/kg wet	6.70	33.3		50	40-140		
2,4-D	19.2		µg/kg wet	6.70	33.3		58	40-140		
2,4-D [2C]	16.5		µg/kg wet	6.70	33.3		50	40-140		
2,4-DB	16.1		µg/kg wet	6.70	33.3		48	40-140		
2,4-DB [2C]	43.4		µg/kg wet	6.70	33.3		130	40-140		
Dalapon	16.8		µg/kg wet	6.70	33.3		50	40-140		
Dalapon [2C]	17.7		µg/kg wet	6.70	33.3		53	40-140		
Dicamba	16.0		µg/kg wet	6.70	33.3		48	40-140		
Dicamba [2C]	16.1		µg/kg wet	6.70	33.3		48	40-140		
Dichlorprop	15.9		µg/kg wet	6.70	33.3		48	40-140		
Dichlorprop [2C]	15.7		µg/kg wet	6.70	33.3		47	40-140		
Dinoseb	17.0		µg/kg wet	6.70	33.3		51	40-140		
Dinoseb [2C]	17.9		µg/kg wet	6.70	33.3		54	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*11.8*		µg/kg wet		*13.3*		*89*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [:	*13.7*		µg/kg wet		*13.3*		*102*	*30-150*		
LCS (8121748-BS2)										
Prepared: 23-Dec-08 Analyzed: 26-Dec-08										
MCPA	6800		µg/kg wet	670	10000		68	40-140		
MCPA [2C]	8270		µg/kg wet	670	10000		83	40-140		
MCPB	6930		µg/kg wet	670	10000		69	40-140		

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8121748 - SW846 3550B										
LCS (8121748-BS2)										
Prepared: 23-Dec-08 Analyzed: 26-Dec-08										
MCPB [2C]	8400		µg/kg wet	670	10000		84	40-140		
MCPP	7530		µg/kg wet	670	10000		75	40-140		
MCPP [2C]	7470		µg/kg wet	670	10000		75	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*15.5*		µg/kg wet		*13.3*		*116*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [:	*19.3*		µg/kg wet		*13.3*		*145*	*30-150*		
LCS Dup (8121748-BSD1)										
Prepared: 23-Dec-08 Analyzed: 26-Dec-08										
2,4,5-T	16.5		µg/kg wet	6.70	33.3		49	40-140	4	25
2,4,5-T [2C]	17.6		µg/kg wet	6.70	33.3		53	40-140	11	25
2,4,5-TP (Silvex)	17.1		µg/kg wet	6.70	33.3		51	40-140	8	25
2,4,5-TP (Silvex) [2C]	19.8		µg/kg wet	6.70	33.3		59	40-140	16	25
2,4-D	18.9		µg/kg wet	6.70	33.3		57	40-140	2	25
2,4-D [2C]	18.7		µg/kg wet	6.70	33.3		56	40-140	12	25
2,4-DB	15.9		µg/kg wet	6.70	33.3		48	40-140	1	25
2,4-DB [2C]	62.9	Z-2	µg/kg wet	6.70	33.3		189	40-140	37	25
Dalapon	16.0		µg/kg wet	6.70	33.3		48	40-140	5	25
Dalapon [2C]	16.7		µg/kg wet	6.70	33.3		50	40-140	6	25
Dicamba	16.7		µg/kg wet	6.70	33.3		50	40-140	4	25
Dicamba [2C]	16.3		µg/kg wet	6.70	33.3		49	40-140	2	25
Dichlorprop	16.9		µg/kg wet	6.70	33.3		51	40-140	6	25
Dichlorprop [2C]	17.8		µg/kg wet	6.70	33.3		53	40-140	13	25
Dinoseb	17.6		µg/kg wet	6.70	33.3		53	40-140	3	25
Dinoseb [2C]	20.3		µg/kg wet	6.70	33.3		61	40-140	13	25
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*13.0*		µg/kg wet		*13.3*		*98*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [:	*15.3*		µg/kg wet		*13.3*		*115*	*30-150*		
LCS Dup (8121748-BSD2)										
Prepared: 23-Dec-08 Analyzed: 26-Dec-08										
MCPA	6070		µg/kg wet	670	10000		61	40-140	11	25
MCPA [2C]	7130		µg/kg wet	670	10000		71	40-140	15	25
MCPB	7470		µg/kg wet	670	10000		75	40-140	7	25
MCPB [2C]	7200		µg/kg wet	670	10000		72	40-140	15	25
MCPP	7870		µg/kg wet	670	10000		79	40-140	4	25
MCPP [2C]	6470		µg/kg wet	670	10000		65	40-140	14	25
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*16.1*		µg/kg wet		*13.3*		*120*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [:	*17.0*		µg/kg wet		*13.3*		*128*	*30-150*		
Duplicate (8121748-DUP1) **Source: SA89114-06**										
Prepared: 23-Dec-08 Analyzed: 26-Dec-08										
2,4,5-T	BRL		µg/kg dry	6.70		BRL				30
2,4,5-T [2C]	BRL		µg/kg dry	6.70		BRL				30
2,4,5-TP (Silvex)	BRL		µg/kg dry	6.70		BRL				30
2,4,5-TP (Silvex) [2C]	BRL		µg/kg dry	6.70		BRL				30
2,4-D	BRL		µg/kg dry	6.70		BRL				30
2,4-D [2C]	BRL		µg/kg dry	6.70		BRL				30
2,4-DB	BRL		µg/kg dry	6.70		BRL				30
2,4-DB [2C]	BRL		µg/kg dry	6.70		BRL				30
Dalapon	BRL		µg/kg dry	6.70		BRL				30
Dalapon [2C]	BRL		µg/kg dry	6.70		BRL				30
Dicamba	BRL		µg/kg dry	6.70		BRL				30
Dicamba [2C]	BRL		µg/kg dry	6.70		BRL				30

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8121748 - SW846 3550B										
Duplicate (8121748-DUP1) **Source: SA89114-06**										
Prepared: 23-Dec-08 Analyzed: 26-Dec-08										
Dichlorprop	BRL		µg/kg dry	6.70		BRL				30
Dichlorprop [2C]	BRL		µg/kg dry	6.70		BRL				30
Dinoseb	BRL		µg/kg dry	6.70		BRL				30
Dinoseb [2C]	BRL		µg/kg dry	6.70		BRL				30
MCPA	BRL		µg/kg dry	670		BRL				30
MCPA [2C]	BRL		µg/kg dry	670		BRL				30
MCPB	BRL		µg/kg dry	670		BRL				30
MCPB [2C]	BRL		µg/kg dry	670		BRL				30
MCPP	BRL		µg/kg dry	670		BRL				30
MCPP [2C]	BRL		µg/kg dry	670		BRL				30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*11.9*		µg/kg dry		*14.8*		*81*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [	*14.3*		µg/kg dry		*14.8*		*97*	*30-150*		
Batch 8121753 - SW846 3550B										
Blank (8121753-BLK1)										
Prepared & Analyzed: 23-Dec-08										
PCB 1016	BRL		µg/kg wet	20.0						
PCB 1221	BRL		µg/kg wet	20.0						
PCB 1232	BRL		µg/kg wet	20.0						
PCB 1242	BRL		µg/kg wet	20.0						
PCB 1248	BRL		µg/kg wet	20.0						
PCB 1254	BRL		µg/kg wet	20.0						
PCB 1260	BRL		µg/kg wet	20.0						
PCB 1262	BRL		µg/kg wet	20.0						
PCB 1268	BRL		µg/kg wet	20.0						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*15.1*		µg/kg wet		*20.0*		*76*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*12.2*		µg/kg wet		*20.0*		*61*	*30-150*		
LCS (8121753-BS1)										
Prepared & Analyzed: 23-Dec-08										
PCB 1016	213		µg/kg wet	20.0	250		85	40-140		
PCB 1260	234		µg/kg wet	20.0	250		94	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*15.2*		µg/kg wet		*20.0*		*76*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*12.6*		µg/kg wet		*20.0*		*63*	*30-150*		
LCS Dup (8121753-BSD1)										
Prepared & Analyzed: 23-Dec-08										
PCB 1016	210		µg/kg wet	20.0	250		84	40-140	2	30
PCB 1260	220		µg/kg wet	20.0	250		88	40-140	7	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*14.6*		µg/kg wet		*20.0*		*73*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*12.3*		µg/kg wet		*20.0*		*62*	*30-150*		
Duplicate (8121753-DUP1) **Source: SA89114-06**										
Prepared & Analyzed: 23-Dec-08										
PCB 1016	BRL		µg/kg dry	22.5		BRL				40
PCB 1221	BRL		µg/kg dry	22.5		BRL				40
PCB 1232	BRL		µg/kg dry	22.5		BRL				40
PCB 1242	BRL		µg/kg dry	22.5		BRL				40
PCB 1248	BRL		µg/kg dry	22.5		BRL				40
PCB 1254	BRL		µg/kg dry	22.5		BRL				40
PCB 1260	BRL		µg/kg dry	22.5		BRL				40
PCB 1262	BRL		µg/kg dry	22.5		BRL				40
PCB 1268	BRL		µg/kg dry	22.5		BRL				40

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8121753 - SW846 3550B										
Duplicate (8121753-DUP1)	**Source: SA89114-06**									
Prepared & Analyzed: 23-Dec-08										
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*16.6*		µg/kg dry		*22.5*		*74*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*22.6*		µg/kg dry		*22.5*		*100*	*30-150*		
Matrix Spike (8121753-MS1)	**Source: SA89114-06**									
Prepared & Analyzed: 23-Dec-08										
PCB 1016	253		µg/kg dry	22.7	283	BRL	89	40-140		
PCB 1260	242		µg/kg dry	22.7	283	BRL	85	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*17.1*		µg/kg dry		*22.6*		*75*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*19.4*		µg/kg dry		*22.6*		*86*	*30-150*		
Matrix Spike Dup (8121753-MSD1)	**Source: SA89114-06**									
Prepared & Analyzed: 23-Dec-08										
PCB 1016	261		µg/kg dry	22.9	286	BRL	91	40-140	2	50
PCB 1260	276		µg/kg dry	22.9	286	BRL	97	40-140	13	50
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*17.7*		µg/kg dry		*22.8*		*77*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*22.7*		µg/kg dry		*22.8*		*99*	*30-150*		

Extractable Petroleum Hydrocarbons - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8121752 - SW846 3550B										
Blank (8121752-BLK1)										
Prepared: 23-Dec-08 Analyzed: 24-Dec-08										
Gasoline	BRL		mg/kg wet	13.3						
Fuel Oil #2	BRL		mg/kg wet	13.3						
Fuel Oil #4	BRL		mg/kg wet	13.3						
Fuel Oil #6	BRL		mg/kg wet	13.3						
Motor Oil	BRL		mg/kg wet	13.3						
Aviation Fuel	BRL		mg/kg wet	13.3						
Unidentified	BRL		mg/kg wet	13.3						
Other Oil	BRL		mg/kg wet	13.3						
Total Petroleum Hydrocarbons	BRL		mg/kg wet	13.3						
C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg wet	13.3						
Surrogate: 1-Chlorooctadecane	*2.62*		mg/kg wet		*3.33*		*79*	*50-150*		
LCS (8121752-BS1)										
Prepared: 23-Dec-08 Analyzed: 24-Dec-08										
C9-C36 Aliphatic Hydrocarbons	67.3		mg/kg wet	13.3	93.3		72	60-120		
Surrogate: 1-Chlorooctadecane	*2.61*		mg/kg wet		*3.33*		*78*	*50-150*		
Duplicate (8121752-DUP1) **Source: SA89114-06**										
Prepared: 23-Dec-08 Analyzed: 24-Dec-08										
Gasoline	BRL		mg/kg dry	15.3		BRL				50
Fuel Oil #2	BRL		mg/kg dry	15.3		BRL				50
Fuel Oil #4	BRL		mg/kg dry	15.3		BRL				50
Fuel Oil #6	BRL		mg/kg dry	15.3		BRL				50
Motor Oil	BRL		mg/kg dry	15.3		BRL				50
Aviation Fuel	BRL		mg/kg dry	15.3		BRL				50
Unidentified	BRL		mg/kg dry	15.3		BRL				50
Other Oil	BRL		mg/kg dry	15.3		BRL				50
Total Petroleum Hydrocarbons	BRL		mg/kg dry	15.3		BRL				50
C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	15.3		BRL				50
Surrogate: 1-Chlorooctadecane	*1.66*		mg/kg dry		*1.92*		*86*	*50-150*		
Matrix Spike (8121752-MS1) **Source: SA89114-06**										
Prepared: 23-Dec-08 Analyzed: 24-Dec-08										
C9-C36 Aliphatic Hydrocarbons	71.0		mg/kg dry	15.3	107	BRL	66	50-150		
Surrogate: 1-Chlorooctadecane	*2.01*		mg/kg dry		*3.84*		*52*	*50-150*		
Matrix Spike Dup (8121752-MSD1) **Source: SA89114-06**										
Prepared: 23-Dec-08 Analyzed: 24-Dec-08										
C9-C36 Aliphatic Hydrocarbons	64.0		mg/kg dry	14.9	105	BRL	61	50-150	8	30
Surrogate: 1-Chlorooctadecane	*2.28*		mg/kg dry		*3.74*		*61*	*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 8121709 - SW846 3050B										
Blank (8121709-BLK1)										
Prepared: 23-Dec-08 Analyzed: 26-Dec-08										
Lead	BRL		mg/kg wet	1.28						
Selenium	BRL		mg/kg wet	1.28						
Chromium	BRL		mg/kg wet	0.856						
Silver	BRL		mg/kg wet	1.28						
Cadmium	BRL		mg/kg wet	0.428						
Arsenic	BRL		mg/kg wet	1.28						
Barium	BRL		mg/kg wet	0.856						
Duplicate (8121709-DUP1) **Source: SA89114-02**										
Prepared: 23-Dec-08 Analyzed: 26-Dec-08										
Selenium	3.78		mg/kg dry	1.62		3.68			3	20
Lead	119		mg/kg dry	1.62		120			1	20
Cadmium	1.09		mg/kg dry	0.540		1.07			2	20
Silver	BRL		mg/kg dry	1.62		BRL				20
Arsenic	4.78		mg/kg dry	1.62		4.72			1	20
Chromium	24.0		mg/kg dry	1.08		21.8			9	20
Barium	137		mg/kg dry	1.08		124			10	20
Matrix Spike (8121709-MS1) **Source: SA89114-03**										
Prepared: 23-Dec-08 Analyzed: 26-Dec-08										
Lead	192		mg/kg dry	1.60	133	50.3	106	75-125		
Selenium	130		mg/kg dry	1.60	133	1.50	96	75-125		
Chromium	138		mg/kg dry	1.07	133	5.74	99	75-125		
Arsenic	138		mg/kg dry	1.60	133	9.06	97	75-125		
Silver	128		mg/kg dry	1.60	133	BRL	96	75-125		
Cadmium	132		mg/kg dry	0.533	133	0.376	99	75-125		
Barium	181		mg/kg dry	1.07	133	33.3	111	75-125		
Matrix Spike Dup (8121709-MSD1) **Source: SA89114-03**										
Prepared: 23-Dec-08 Analyzed: 26-Dec-08										
Lead	185		mg/kg dry	1.67	139	50.3	97	75-125	4	20
Selenium	137		mg/kg dry	1.67	139	1.50	98	75-125	6	20
Cadmium	138		mg/kg dry	0.555	139	0.376	99	75-125	4	20
Arsenic	145		mg/kg dry	1.67	139	9.06	98	75-125	5	20
Silver	134		mg/kg dry	1.67	139	BRL	96	75-125	4	20
Chromium	150		mg/kg dry	1.11	139	5.74	104	75-125	9	20
Barium	173		mg/kg dry	1.11	139	33.3	101	75-125	4	20
Post Spike (8121709-PS1) **Source: SA89114-03**										
Prepared: 23-Dec-08 Analyzed: 26-Dec-08										
Selenium	128		mg/kg dry	1.59	132	1.50	96	80-120		
Lead	193		mg/kg dry	1.59	132	50.3	108	80-120		
Cadmium	131		mg/kg dry	0.529	132	0.376	98	80-120		
Arsenic	138		mg/kg dry	1.59	132	9.06	97	80-120		
Chromium	136		mg/kg dry	1.06	132	5.74	98	80-120		
Silver	127		mg/kg dry	1.59	132	BRL	96	80-120		
Barium	181		mg/kg dry	1.06	132	33.3	111	80-120		
Reference (8121709-SRM1)										
Prepared: 23-Dec-08 Analyzed: 26-Dec-08										
Lead	46.0		mg/kg wet	1.50	44.1		104	80.9-119.9		
Selenium	149		mg/kg wet	1.50	147		101	79.9-119.6		

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

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8121709 - SW846 3050B										
Reference (8121709-SRM1)										
Prepared: 23-Dec-08 Analyzed: 26-Dec-08										
Silver	16.3		mg/kg wet	1.50	15.4		105	66.2-133.7		
Cadmium	30.5		mg/kg wet	0.500	31.2		98	83.7-116.7		
Arsenic	54.8		mg/kg wet	1.50	53.4		103	82.9-117.1		
Chromium	119		mg/kg wet	1.00	121		98	81.9-118.1		
Reference (8121709-SRM2)										
Prepared: 23-Dec-08 Analyzed: 26-Dec-08										
Selenium	145		mg/kg wet	1.50	146		99	79.9-119.6		
Lead	46.6		mg/kg wet	1.50	44.0		106	80.9-119.9		
Silver	15.8		mg/kg wet	1.50	15.4		103	66.2-133.7		
Arsenic	53.9		mg/kg wet	1.50	53.2		101	82.9-117.1		
Cadmium	30.1		mg/kg wet	0.500	31.0		97	83.7-116.7		
Chromium	117		mg/kg wet	1.00	121		97	81.9-118.1		
Barium	107		mg/kg wet	1.00	101		106	80.5-119.5		
Batch 8121710 - EPA200/SW7000 Series										
Blank (8121710-BLK1)										
Prepared: 23-Dec-08 Analyzed: 29-Dec-08										
Mercury	BRL		mg/kg wet	0.0289						
Duplicate (8121710-DUP1) **Source: SA89114-02**										
Prepared: 23-Dec-08 Analyzed: 29-Dec-08										
Mercury	0.303		mg/kg dry	0.0364		0.292			3	20
Matrix Spike (8121710-MS1) **Source: SA89114-03**										
Prepared: 23-Dec-08 Analyzed: 29-Dec-08										
Mercury	0.600		mg/kg dry	0.0306	0.425	0.165	102	75-125		
Matrix Spike Dup (8121710-MSD1) **Source: SA89114-03**										
Prepared: 23-Dec-08 Analyzed: 29-Dec-08										
Mercury	0.606		mg/kg dry	0.0315	0.437	0.165	101	75-125	1	20
Post Spike (8121710-PS1) **Source: SA89114-03**										
Prepared: 23-Dec-08 Analyzed: 29-Dec-08										
Mercury	0.646		mg/kg dry	0.0309	0.429	0.165	112	80-120		
Reference (8121710-SRM1)										
Prepared: 23-Dec-08 Analyzed: 29-Dec-08										
Mercury	1.91		mg/kg wet	0.0300	1.98		96	71.7-128		

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

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9020349 - SW846 3050B Mod.										
Blank (9020349-BLK1)										
Prepared & Analyzed: 06-Feb-09										
Lead	BRL		mg/l	0.0075						
LCS (9020349-BS1)										
Prepared & Analyzed: 06-Feb-09										
Lead	1.23		mg/l	0.0075	1.25		98	85-115		
LCS Dup (9020349-BSD1)										
Prepared & Analyzed: 06-Feb-09										
Lead	1.22		mg/l	0.0075	1.25		98	85-115	0.5	20
Duplicate (9020349-DUP1)	**Source: SA89497-05**									
Prepared & Analyzed: 06-Feb-09										
Lead	0.0238		mg/l	0.0075		0.0226			5	20
Matrix Spike (9020349-MS1)	**Source: SA89650-04**									
Prepared & Analyzed: 06-Feb-09										
Lead	1.26		mg/l	0.0075	1.25	0.0076	100	75-125		
Matrix Spike Dup (9020349-MSD1)	**Source: SA89650-04**									
Prepared & Analyzed: 06-Feb-09										
Lead	1.26		mg/l	0.0075	1.25	0.0076	100	75-125	0.08	20
Post Spike (9020349-PS1)	**Source: SA89650-04**									
Prepared & Analyzed: 06-Feb-09										
Lead	1.26		mg/l	0.0075	1.25	0.0076	100	75-125		

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

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010193 - SW846 3010A										
Blank (9010193-BLK1)										
Prepared: 07-Jan-09 Analyzed: 09-Jan-09										
Lead	BRL		mg/l	0.0150						
Chromium	BRL		mg/l	0.0100						
Cadmium	BRL		mg/l	0.0050						
LCS (9010193-BS1)										
Prepared: 07-Jan-09 Analyzed: 09-Jan-09										
Lead	2.61		mg/l	0.0150	2.50		105	85-115		
Cadmium	2.72		mg/l	0.0050	2.50		109	85-115		
Chromium	2.65		mg/l	0.0100	2.50		106	85-115		
LCS Dup (9010193-BSD1)										
Prepared: 07-Jan-09 Analyzed: 09-Jan-09										
Lead	2.56		mg/l	0.0150	2.50		103	85-115	2	20
Cadmium	2.67		mg/l	0.0050	2.50		107	85-115	2	20
Chromium	2.58		mg/l	0.0100	2.50		103	85-115	3	20
Duplicate (9010193-DUP1)	**Source: SA89146-05**									
Prepared: 07-Jan-09 Analyzed: 09-Jan-09										
Lead	0.0305	QR8	mg/l	0.0150		0.0095			105	20
Chromium	0.0325	QR8	mg/l	0.0100		0.0112			97	20
Cadmium	0.0008	J	mg/l	0.0050		0.0007			13	20
Matrix Spike (9010193-MS1)	**Source: SA89146-02**									
Prepared: 07-Jan-09 Analyzed: 09-Jan-09										
Lead	2.51		mg/l	0.0150	2.50	BRL	100	75-125		
Cadmium	2.61		mg/l	0.0050	2.50	BRL	104	75-125		
Chromium	2.54		mg/l	0.0100	2.50	BRL	101	75-125		
Matrix Spike Dup (9010193-MSD1)	**Source: SA89146-02**									
Prepared: 07-Jan-09 Analyzed: 09-Jan-09										
Lead	2.56		mg/l	0.0150	2.50	BRL	103	75-125	2	20
Chromium	2.58		mg/l	0.0100	2.50	BRL	103	75-125	2	20
Cadmium	2.65		mg/l	0.0050	2.50	BRL	106	75-125	2	20
Post Spike (9010193-PS1)	**Source: SA89146-02**									
Prepared: 07-Jan-09 Analyzed: 09-Jan-09										
Lead	2.55		mg/l	0.0150	2.50	BRL	102	75-125		
Cadmium	2.64		mg/l	0.0050	2.50	BRL	106	75-125		
Chromium	2.57		mg/l	0.0100	2.50	BRL	103	75-125		

General Chemistry Parameters - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8121722 - General Preparation										
Duplicate (8121722-DUP1)	**Source: SA89142-04**									
Prepared & Analyzed: 22-Dec-08										
% Solids	88.8		%			88.4			0.4	20

Notes and Definitions

O09	This sample was analyzed outside the EPA recommended holding time per client request.
QC2	Analyte out of acceptance range in QC spike but no reportable concentration present in sample.
QM7	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QR8	Analyses are not controlled on RPD values from sample concentrations that are less than 5 times the reporting level. The batch is accepted based upon the difference between the sample and duplicate is less than or equal to the reporting limit.
VOC6	The production of Acetone and other ketones is commonly seen when using the SW 846 5035A extraction technique.
VOC8	Reporting limits reflect SW846 5030 extraction technique due to interference using SW846 5035A extraction technique.
Z-2	The response for the confirmation column was out of acceptance limits. The primary column was used for all data. Samples were BDL.
BRL	Below Reporting Limit - Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference
J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).

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

Interpretation of Total Petroleum Hydrocarbon Report

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

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

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

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

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

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

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

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

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

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

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

SA 89114

SPECTRUM ANALYTICAL, INC.
Formerly
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

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

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

Project Mgr.: David. Brassard

Invoice To: DAS # 44236

P.O. No.: _____ RQN: _____

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

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH_3OH 8=$NaHSO_3$ 9=H_2O 10=_____

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

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analyses: VOC 8260	SVOC 8270	CT ETPH	PCB 8080	Herbicides 8151	RCRA 8 Total Metals	QA Reporting Notes:
89114-01	RSB-C78	12/18/08	930	G	SO	7,9	3	2			X	X	X	X	X	X	
-02	RSB-C77		900														
-03	RSB-C76		1015														
-04	RSB-C75		1040														
-05	RSB-C74		1100														
-06	RSB-C73		1145														
-07	RSB-C72		1210														
-08	RSB-C71		1230														

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

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

State specific reporting standards: CT

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

Condition upon receipt: [ ] Iced [ ] Ambient [ ] °C 5.9C

Relinquished by:	Received by:	Date:	Time:
Patrick dePaula	DEP	12/19/08	9:33am
DEC		12/19/08	1130

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HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:
- ☑ Standard TAT - 7 to 10 business days
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- All TATs subject to laboratory approval. Min. 24-hour notification needed for rushes.
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Report To: Tetra Tech Rizzo
150 Trumbull St. 4th floor
Hartford, CT 06103

Project Mgr.: David Brossard

Invoice To: DAS # 44236

P.O. No.: _____ RQN: _____

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

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH_3OH 8=$NaHSO_4$ 9=H_2O 10=_____

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

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analyses: VOC 8260	SVOC 8270	CT ETPH	PCB 8080	Harbrowdex 6851	RCRA 8 Metals Total	SPLP Cd, Pb, Cr	QA Reporting Notes: (check if needed)
91114-01	RSB-C78	12/18/08	930	G	SO	7.9	3	2			X	X	X	X	X	X		
-02	RSB-C77		900														X	
-03	RSB-C76		1015															
-04	RSB-C75		1040															
-05	RSB-C74		1100															
-06	RSB-C73		1145															
-07	RSB-C72		1210															
-08	RSB-C71		1230															ADDED ANALYSIS 1/6/09
																		See attached

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

Condition upon receipt: ☐ Iced ☐ Ambient ☐ °C 6.9C

Relinquished by:	Received by:	Date:	Time:
Patrick dePaula	DEC	12/19/08	9:33am
DEC	[illegible]	12/19/08	1130

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CHAIN OF CUSTODY RECORD

Page 1 of 1

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

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

Project Mgr.: David Brossard

Invoice To: DAS # 44236

P.O. No.: ____ RQN: ____

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

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=H_2O 10=____

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

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analyses: VOC 8260	SVOC 8270	CT ETPH	PCB 8082	Herbicides 8151	RCRA 8 Total Metals	SPLP Cd, Pb, Cr	TCLP Pb	QA Reporting Notes (check if needed)
89114-01	RSB-C78	12/18/08	930	G	SO	7,9	3	2			X	X	X	X	X	X			
-02	RSB-C77		900														X	X	Added 2/3/09
-03	RSB-C76		1015																See attached
-04	RSB-C75		1040																
-05	RSB-C74		1100																
-06	RSB-C73		1145																
-07	RSB-C72		1210																
-08	RSB-C71		1230																ADDED ANALYSIS 1/6/09
																			See attached

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

Condition upon receipt: [ ] Iced [ ] Ambient [ ] °C 5.9C

Relinquished by:	Received by:	Date:	Time:
Patrick DeLaPaula	DEC	12/19/08	9:33am
DEC	[illegible]	12/19/08	11:30

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Report Date:
11-Feb-09 17:55

☐ Final Report
☐ Re-Issued Report
☑ Revised Report

SPECTRUM ANALYTICAL, INC.
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Laboratory Report

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

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

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SA89909-01	RSB-C79	Soil	14-Jan-09 09:50	15-Jan-09 15:10
SA89909-02	RSB-C80	Soil	14-Jan-09 09:15	15-Jan-09 15:10
SA89909-03	RSB-C81	Soil	14-Jan-09 08:45	15-Jan-09 15:10
SA89909-04	RSB-C82	Soil	14-Jan-09 08:00	15-Jan-09 15:10
SA89909-05	RSB-C26	Soil	14-Jan-09 13:00	15-Jan-09 15:10

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

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

Authorized by:

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

Technical Reviewer's Initial:

Spectrum Analytical holds certification in the State of New York for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of New York does not offer certification for all analytes.
Please note that this report contains 56 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supercedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report is available upon request. This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

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Please contact the Laboratory or Technical Director at 800-789-9115 with any questions regarding the data contained in this laboratory report.

CASE NARRATIVE:

The samples were received 2.5 degrees Celsius, please refer to the Chain of Custody for details specific to temperature upon receipt. An infrared thermometer with a tolerance of +/- 2.0 degrees Celsius was used immediately upon receipt of the samples.

Sample SA89909-02 (RSB-C80) did not contain enough sample to analyze for TCLP at the required weight of 100 grams. Per client instructions, the sample was prepared with the remaining contents of the sample container. The final sample weight used for SA89909-02 was 70 grams.

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

+CT ETPH

Spikes:

9011052-MS1 *Source: SA89911-22*

The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte inherent in the sample.

C9-C36 Aliphatic Hydrocarbons

9011052-MSD1 *Source: SA89911-22*

The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte inherent in the sample.

C9-C36 Aliphatic Hydrocarbons

SW846 1312/6010B

Duplicates:

9011874-DUP1 *Source: SA89909-01*

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

Barium

SW846 7471A

Spikes:

9010944-MS1 *Source: SA89892-04*

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

Mercury

SW846 8260B

Laboratory Control Samples:

9011071-BSD1

Analyte out of acceptance range.

Tetrahydrofuran

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

Tert-Butanol / butyl alcohol

SW846 8260B

Samples:

SA89909-04 *RSB-C82*

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

SW846 8270C

Laboratory Control Samples:

9011051-BS1

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

Aniline

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C79 SA89909-01	127-17797-08011	Soil	14-Jan-09 09:50	15-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	16-Jan-09	16-Jan-09	9011024	
Volatile Organic Compounds						Initial weight: 5.27 g					
Prepared by method SW846 5035A Soil (low level)											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	8.3	1	SW846 8260B	16-Jan-09	16-Jan-09	9010991	X
67-64-1	Acetone	BRL		µg/kg dry	82.8	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	8.3	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	8.3	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	8.3	1	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	8.3	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	8.3	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	8.3	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	16.6	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	82.8	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	8.3	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	8.3	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	8.3	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	41.4	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	8.3	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	8.3	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	16.6	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	8.3	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	16.6	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	8.3	1	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	8.3	1	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	16.6	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	8.3	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	8.3	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	8.3	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	8.3	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	8.3	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	8.3	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	16.6	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	8.3	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	8.3	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	8.3	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	8.3	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	8.3	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	8.3	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	8.3	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	8.3	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	8.3	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	8.3	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	8.3	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	8.3	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	8.3	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	82.8	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	8.3	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	8.3	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	8.3	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	82.8	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	82.8	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	8.3	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C79 SA89909-01	127-17797-08011	Soil	14-Jan-09 09:50	15-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds			4								
Volatile Organic Compounds						Initial weight: 5.27 g					
Prepared by method SW846 5035A Soil (low level)											
103-65-1	n-Propylbenzene	BRL		µg/kg dry	8.3	1	SW846 8260B	16-Jan-09	16-Jan-09	9010991	X
100-42-5	Styrene	BRL		µg/kg dry	8.3	1	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	8.3	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	8.3	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	8.3	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	8.3	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	8.3	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	8.3	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	8.3	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	8.3	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	8.3	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	8.3	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	8.3	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	8.3	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	8.3	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	8.3	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	8.3	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	16.6	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	8.3	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	82.8	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	8.3	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	8.3	1	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	8.3	1	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	8.3	1	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	82.8	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	166	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	41.4	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	3310	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*83*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*89*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*118*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*104*		*70-130 %*			"	"	"	"	
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
83-32-9	Acenaphthene	BRL		µg/kg dry	448	1	SW846 8270C	19-Jan-09	19-Jan-09	9011051	X
208-96-8	Acenaphthylene	641		µg/kg dry	448	1	"	"	"	"	X
62-53-3	Aniline	BRL		µg/kg dry	448	1	"	"	"	"	X
120-12-7	Anthracene	522		µg/kg dry	448	1	"	"	"	"	X
1912-24-9	Atrazine	BRL		µg/kg dry	448	1	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/kg dry	448	1	"	"	"	"	
92-87-5	Benzidine	BRL		µg/kg dry	448	1	"	"	"	"	X
56-55-3	Benzo (a) anthracene	3,070		µg/kg dry	448	1	"	"	"	"	X
50-32-8	Benzo (a) pyrene	2,430		µg/kg dry	448	1	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	4,140		µg/kg dry	448	1	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	1,110		µg/kg dry	448	1	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	3,100		µg/kg dry	448	1	"	"	"	"	X
65-85-0	Benzoic acid	BRL		µg/kg dry	448	1	"	"	"	"	X
100-51-6	Benzyl alcohol	BRL		µg/kg dry	448	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C79	127-17797-08011	Soil	14-Jan-09 09:50	15-Jan-09
SA89909-01				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
111-91-1	Bis(2-chloroethoxy)methane	BRL		µg/kg dry	448	1	SW846 8270C	19-Jan-09	19-Jan-09	9011051	X
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/kg dry	448	1	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	448	1	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	448	1	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/kg dry	448	1	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	BRL		µg/kg dry	448	1	"	"	"	"	X
86-74-8	Carbazole	BRL		µg/kg dry	448	1	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	BRL		µg/kg dry	448	1	"	"	"	"	X
106-47-8	4-Chloroaniline	BRL		µg/kg dry	448	1	"	"	"	"	X
91-58-7	2-Chloronaphthalene	BRL		µg/kg dry	448	1	"	"	"	"	X
95-57-8	2-Chlorophenol	BRL		µg/kg dry	448	1	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/kg dry	448	1	"	"	"	"	X
218-01-9	Chrysene	3,880		µg/kg dry	448	1	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	464		µg/kg dry	448	1	"	"	"	"	X
132-64-9	Dibenzofuran	BRL		µg/kg dry	448	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	448	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	448	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	448	1	"	"	"	"	X
91-94-1	3,3'-Dichlorobenzidine	BRL		µg/kg dry	448	1	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	BRL		µg/kg dry	448	1	"	"	"	"	X
84-66-2	Diethyl phthalate	BRL		µg/kg dry	448	1	"	"	"	"	X
131-11-3	Dimethyl phthalate	BRL		µg/kg dry	448	1	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	BRL		µg/kg dry	448	1	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	BRL		µg/kg dry	448	1	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	448	1	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	BRL		µg/kg dry	448	1	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	BRL		µg/kg dry	448	1	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	BRL		µg/kg dry	448	1	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	BRL		µg/kg dry	448	1	"	"	"	"	X
206-44-0	Fluoranthene	7,040		µg/kg dry	448	1	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	448	1	"	"	"	"	X
118-74-1	Hexachlorobenzene	BRL		µg/kg dry	448	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	448	1	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	BRL		µg/kg dry	448	1	"	"	"	"	X
67-72-1	Hexachloroethane	BRL		µg/kg dry	448	1	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	1,430		µg/kg dry	448	1	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	448	1	"	"	"	"	
78-59-1	Isophorone	BRL		µg/kg dry	448	1	"	"	"	"	X
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	448	1	"	"	"	"	X
95-48-7	2-Methylphenol	BRL		µg/kg dry	448	1	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	BRL		µg/kg dry	448	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	448	1	"	"	"	"	X
88-74-4	2-Nitroaniline	BRL		µg/kg dry	448	1	"	"	"	"	X
99-09-2	3-Nitroaniline	BRL		µg/kg dry	448	1	"	"	"	"	X
100-01-6	4-Nitroaniline	BRL		µg/kg dry	1790	1	"	"	"	"	X
98-95-3	Nitrobenzene	BRL		µg/kg dry	448	1	"	"	"	"	X
88-75-5	2-Nitrophenol	BRL		µg/kg dry	448	1	"	"	"	"	X
100-02-7	4-Nitrophenol	BRL		µg/kg dry	1790	1	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	BRL		µg/kg dry	448	1	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/kg dry	448	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C79 SA89909-01	127-17797-08011	Soil	14-Jan-09 09:50	15-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
86-30-6	N-Nitrosodiphenylamine	BRL		µg/kg dry	448	1	SW846 8270C	19-Jan-09	19-Jan-09	9011051	X
87-86-5	Pentachlorophenol	BRL		µg/kg dry	448	1	"	"	"	"	X
85-01-8	Phenanthrene	3,030		µg/kg dry	448	1	"	"	"	"	X
108-95-2	Phenol	BRL		µg/kg dry	448	1	"	"	"	"	X
129-00-0	Pyrene	5,770		µg/kg dry	448	1	"	"	"	"	X
110-86-1	Pyridine	BRL		µg/kg dry	448	1	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	448	1	"	"	"	"	X
95-95-4	2,4,5-Trichlorophenol	BRL		µg/kg dry	448	1	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	BRL		µg/kg dry	448	1	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	BRL		µg/kg dry	448	1	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	448	1	"	"	"	"	X
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*69*		*30-130 %*			"	"	"	"	
367-12-4	*2-Fluorophenol*	*63*		*15-110 %*			"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*61*		*30-130 %*			"	"	"	"	
4165-62-2	*Phenol-d5*	*62*		*15-110 %*			"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*64*		*30-130 %*			"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*64*		*15-110 %*			"	"	"	"	
Semivolatile Organic Compounds by GC											
Polychlorinated Biphenyls by SW846 8082											
Prepared by method SW846 3550B											
12674-11-2	PCB 1016	BRL		µg/kg dry	26.8	1	SW846 8082	20-Jan-09	21-Jan-09	9011137	X
11104-28-2	PCB 1221	BRL		µg/kg dry	26.8	1	"	"	"	"	X
11141-16-5	PCB 1232	BRL		µg/kg dry	26.8	1	"	"	"	"	X
53469-21-9	PCB 1242	BRL		µg/kg dry	26.8	1	"	"	"	"	X
12672-29-6	PCB 1248	BRL		µg/kg dry	26.8	1	"	"	"	"	X
11097-69-1	PCB 1254	BRL		µg/kg dry	26.8	1	"	"	"	"	X
11096-82-5	PCB 1260	BRL		µg/kg dry	26.8	1	"	"	"	"	X
37324-23-5	PCB 1262	BRL		µg/kg dry	26.8	1	"	"	"	"	X
11100-14-4	PCB 1268	BRL		µg/kg dry	26.8	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*87*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*57*		*30-150 %*			"	"	"	"	
Chlorinated Herbicides by SW846 8151A											
Prepared by method SW846 3550B											
93-76-5	2,4,5-T	BRL		µg/kg dry	6.70	1	SW846 8151A	20-Jan-09	21-Jan-09	9011138	X
93-72-1	2,4,5-TP (Silvex)	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-75-7	2,4-D	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-82-6	2,4-DB	BRL		µg/kg dry	6.70	1	"	"	"	"	X
75-99-0	Dalapon	BRL		µg/kg dry	6.70	1	"	"	"	"	X
1918-00-9	Dicamba	BRL		µg/kg dry	6.70	1	"	"	"	"	X
120-36-5	Dichlorprop	BRL		µg/kg dry	6.70	1	"	"	"	"	X
88-85-7	Dinoseb	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-74-6	MCPA	BRL		µg/kg dry	670	1	"	"	"	"	X
94-81-5	MCPB	BRL		µg/kg dry	670	1	"	"	"	"	
93-65-2	MCPP	BRL		µg/kg dry	670	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*93*		*30-150 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											

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

* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C79	127-17797-08011	Soil	14-Jan-09 09:50	15-Jan-09
SA89909-01				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3550B											
8006-61-9	Gasoline	BRL		mg/kg dry	18.1	1	+CT ETPH	19-Jan-09	21-Jan-09	9011052	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	18.1	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	18.1	1	"	"	"	"	
68553-00-4	Fuel Oil #6	Calculated as		mg/kg dry	18.1	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	18.1	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	18.1	1	"	"	"	"	
	Unidentified	253		mg/kg dry	18.1	1	"	"	"	"	
	Other Oil	Calculated as		mg/kg dry	18.1	1	"	"	"	"	
	Total Petroleum Hydrocarbons	253		mg/kg dry	18.1	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	253		mg/kg dry	18.1	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*81*		*50-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	BRL		mg/kg dry	2.02	1	SW846 6010B	16-Jan-09	20-Jan-09	9010943	X
7440-38-2	Arsenic	14.0		mg/kg dry	2.02	1	"	"	"	"	X
7440-39-3	Barium	286		mg/kg dry	1.35	1	"	"	"	"	X
7440-43-9	Cadmium	1.18		mg/kg dry	0.673	1	"	"	"	"	X
7440-47-3	Chromium	19.9		mg/kg dry	1.35	1	"	"	"	"	X
7439-97-6	Mercury	0.202		mg/kg dry	0.0397	1	SW846 7471A	"	21-Jan-09	9010944	X
7439-92-1	Lead	166		mg/kg dry	2.02	1	SW846 6010B	"	20-Jan-09	9010943	X
7782-49-2	Selenium	3.14		mg/kg dry	2.02	1	"	"	"	"	X
SPLP Metals by EPA 1312 & 6000/7000 Series Methods											
	SPLP Extraction	Completed		N/A		1	SW846 1312	28-Jan-09	28-Jan-09	9011843	
7440-38-2	Arsenic	BRL		mg/l	0.0040	1	SW846 1312/6010B	29-Jan-09	30-Jan-09	9011874	
7440-39-3	Barium	0.164		mg/l	0.0050	1	"	"	"	"	
7440-43-9	Cadmium	BRL		mg/l	0.0025	1	"	"	"	"	
7440-47-3	Chromium	BRL		mg/l	0.0050	1	"	"	"	"	
7439-92-1	Lead	BRL		mg/l	0.0075	1	"	"	"	"	
General Chemistry Parameters											
	% Solids	73.4		%		1	SM2540 G Mod.	20-Jan-09	20-Jan-09	9011186	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C80 SA89909-02	127-17797-08011	Soil	14-Jan-09 09:15	15-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	16-Jan-09	16-Jan-09	9011024	
Volatile Organic Compounds					Initial weight: 5.27 g						
Prepared by method SW846 5035A Soil (low level)											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	6.2	1	SW846 8260B	16-Jan-09	16-Jan-09	9010991	X
67-64-1	Acetone	BRL		µg/kg dry	62.4	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	6.2	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	6.2	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	6.2	1	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	6.2	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	6.2	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	6.2	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	12.5	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	62.4	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	6.2	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	6.2	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	6.2	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	31.2	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	6.2	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	6.2	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	12.5	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	6.2	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	12.5	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	6.2	1	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	6.2	1	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	12.5	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	6.2	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	6.2	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	6.2	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	6.2	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	6.2	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	6.2	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	12.5	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	6.2	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	6.2	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	6.2	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	6.2	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	6.2	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	6.2	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	6.2	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	6.2	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	6.2	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	6.2	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	6.2	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	6.2	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	6.2	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	62.4	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	6.2	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	6.2	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	6.2	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	62.4	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	62.4	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	6.2	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C80	127-17797-08011	Soil	14-Jan-09 09:15	15-Jan-09
SA89909-02				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
Volatile Organic Compounds											
Prepared by method SW846 5035A Soil (low level)						Initial weight: 5.27 g					
103-65-1	n-Propylbenzene	BRL		µg/kg dry	6.2	1	SW846 8260B	16-Jan-09	16-Jan-09	9010991	X
100-42-5	Styrene	BRL		µg/kg dry	6.2	1	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	6.2	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	6.2	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	6.2	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	6.2	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	6.2	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	6.2	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	6.2	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	6.2	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	6.2	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	6.2	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	6.2	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	6.2	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	6.2	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	6.2	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	6.2	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	12.5	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	6.2	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	62.4	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	6.2	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	6.2	1	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	6.2	1	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	6.2	1	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	62.4	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	125	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	31.2	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	2500	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*88*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*90*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*120*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*102*		*70-130 %*			"	"	"	"	
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
83-32-9	Acenaphthene	BRL		µg/kg dry	377	1	SW846 8270C	19-Jan-09	19-Jan-09	9011051	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	377	1	"	"	"	"	X
62-53-3	Aniline	BRL		µg/kg dry	377	1	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	377	1	"	"	"	"	X
1912-24-9	Atrazine	BRL		µg/kg dry	377	1	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/kg dry	377	1	"	"	"	"	
92-87-5	Benzidine	BRL		µg/kg dry	377	1	"	"	"	"	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	377	1	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	377	1	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	377	1	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	377	1	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	377	1	"	"	"	"	X
65-85-0	Benzoic acid	BRL		µg/kg dry	377	1	"	"	"	"	X
100-51-6	Benzyl alcohol	BRL		µg/kg dry	377	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C80 SA89909-02	127-17797-08011	Soil	14-Jan-09 09:15	15-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
111-91-1	Bis(2-chloroethoxy)methane	BRL		µg/kg dry	377	1	SW846 8270C	19-Jan-09	19-Jan-09	9011051	X
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/kg dry	377	1	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	377	1	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	377	1	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/kg dry	377	1	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	BRL		µg/kg dry	377	1	"	"	"	"	X
86-74-8	Carbazole	BRL		µg/kg dry	377	1	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	BRL		µg/kg dry	377	1	"	"	"	"	X
106-47-8	4-Chloroaniline	BRL		µg/kg dry	377	1	"	"	"	"	X
91-58-7	2-Chloronaphthalene	BRL		µg/kg dry	377	1	"	"	"	"	X
95-57-8	2-Chlorophenol	BRL		µg/kg dry	377	1	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/kg dry	377	1	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	377	1	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	377	1	"	"	"	"	X
132-64-9	Dibenzofuran	BRL		µg/kg dry	377	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	377	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	377	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	377	1	"	"	"	"	X
91-94-1	3,3'-Dichlorobenzidine	BRL		µg/kg dry	377	1	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	BRL		µg/kg dry	377	1	"	"	"	"	X
84-66-2	Diethyl phthalate	BRL		µg/kg dry	377	1	"	"	"	"	X
131-11-3	Dimethyl phthalate	BRL		µg/kg dry	377	1	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	BRL		µg/kg dry	377	1	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	BRL		µg/kg dry	377	1	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	377	1	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	BRL		µg/kg dry	377	1	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	BRL		µg/kg dry	377	1	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	BRL		µg/kg dry	377	1	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	BRL		µg/kg dry	377	1	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	377	1	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	377	1	"	"	"	"	X
118-74-1	Hexachlorobenzene	BRL		µg/kg dry	377	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	377	1	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	BRL		µg/kg dry	377	1	"	"	"	"	X
67-72-1	Hexachloroethane	BRL		µg/kg dry	377	1	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	377	1	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	377	1	"	"	"	"	
78-59-1	Isophorone	BRL		µg/kg dry	377	1	"	"	"	"	X
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	377	1	"	"	"	"	X
95-48-7	2-Methylphenol	BRL		µg/kg dry	377	1	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	BRL		µg/kg dry	377	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	377	1	"	"	"	"	X
88-74-4	2-Nitroaniline	BRL		µg/kg dry	377	1	"	"	"	"	X
99-09-2	3-Nitroaniline	BRL		µg/kg dry	377	1	"	"	"	"	X
100-01-6	4-Nitroaniline	BRL		µg/kg dry	1510	1	"	"	"	"	X
98-95-3	Nitrobenzene	BRL		µg/kg dry	377	1	"	"	"	"	X
88-75-5	2-Nitrophenol	BRL		µg/kg dry	377	1	"	"	"	"	X
100-02-7	4-Nitrophenol	BRL		µg/kg dry	1510	1	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	BRL		µg/kg dry	377	1	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/kg dry	377	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C80 SA89909-02	127-17797-08011	Soil	14-Jan-09 09:15	15-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
86-30-6	N-Nitrosodiphenylamine	BRL		µg/kg dry	377	1	SW846 8270C	19-Jan-09	19-Jan-09	9011051	X
87-86-5	Pentachlorophenol	BRL		µg/kg dry	377	1	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	377	1	"	"	"	"	X
108-95-2	Phenol	BRL		µg/kg dry	377	1	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	377	1	"	"	"	"	X
110-86-1	Pyridine	BRL		µg/kg dry	377	1	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	377	1	"	"	"	"	X
95-95-4	2,4,5-Trichlorophenol	BRL		µg/kg dry	377	1	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	BRL		µg/kg dry	377	1	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	BRL		µg/kg dry	377	1	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	377	1	"	"	"	"	X
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*70*		*30-130 %*			"	"	"	"	
367-12-4	*2-Fluorophenol*	*63*		*15-110 %*			"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*61*		*30-130 %*			"	"	"	"	
4165-62-2	*Phenol-d5*	*60*		*15-110 %*			"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*63*		*30-130 %*			"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*69*		*15-110 %*			"	"	"	"	
Semivolatile Organic Compounds by GC											
Polychlorinated Biphenyls by SW846 8082											
Prepared by method SW846 3550B											
12674-11-2	PCB 1016	BRL		µg/kg dry	23.0	1	SW846 8082	20-Jan-09	21-Jan-09	9011137	X
11104-28-2	PCB 1221	BRL		µg/kg dry	23.0	1	"	"	"	"	X
11141-16-5	PCB 1232	BRL		µg/kg dry	23.0	1	"	"	"	"	X
53469-21-9	PCB 1242	BRL		µg/kg dry	23.0	1	"	"	"	"	X
12672-29-6	PCB 1248	BRL		µg/kg dry	23.0	1	"	"	"	"	X
11097-69-1	PCB 1254	BRL		µg/kg dry	23.0	1	"	"	"	"	X
11096-82-5	PCB 1260	BRL		µg/kg dry	23.0	1	"	"	"	"	X
37324-23-5	PCB 1262	BRL		µg/kg dry	23.0	1	"	"	"	"	X
11100-14-4	PCB 1268	BRL		µg/kg dry	23.0	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*93*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*50*		*30-150 %*			"	"	"	"	
Chlorinated Herbicides by SW846 8151A											
Prepared by method SW846 3550B											
93-76-5	2,4,5-T	BRL		µg/kg dry	6.70	1	SW846 8151A	20-Jan-09	21-Jan-09	9011138	X
93-72-1	2,4,5-TP (Silvex)	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-75-7	2,4-D	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-82-6	2,4-DB	BRL		µg/kg dry	6.70	1	"	"	"	"	X
75-99-0	Dalapon	BRL		µg/kg dry	6.70	1	"	"	"	"	X
1918-00-9	Dicamba	BRL		µg/kg dry	6.70	1	"	"	"	"	X
120-36-5	Dichlorprop	BRL		µg/kg dry	6.70	1	"	"	"	"	X
88-85-7	Dinoseb	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-74-6	MCPA	BRL		µg/kg dry	670	1	"	"	"	"	X
94-81-5	MCPB	BRL		µg/kg dry	670	1	"	"	"	"	
93-65-2	MCPP	BRL		µg/kg dry	670	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*98*		*30-150 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C80 SA89909-02	127-17797-08011	Soil	14-Jan-09 09:15	15-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3550B											
8006-61-9	Gasoline	BRL		mg/kg dry	15.2	1	+CT ETPH	19-Jan-09	21-Jan-09	9011052	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	15.2	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	15.2	1	"	"	"	"	
68553-00-4	Fuel Oil #6	Calculated as		mg/kg dry	15.2	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	15.2	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	15.2	1	"	"	"	"	
	Unidentified	63.3		mg/kg dry	15.2	1	"	"	"	"	
	Other Oil	Calculated as		mg/kg dry	15.2	1	"	"	"	"	
	Total Petroleum Hydrocarbons	63.3		mg/kg dry	15.2	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	63.3		mg/kg dry	15.2	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*79*		*50-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	BRL		mg/kg dry	1.60	1	SW846 6010B	16-Jan-09	20-Jan-09	9010943	X
7440-38-2	Arsenic	13.5		mg/kg dry	1.60	1	"	"	"	"	X
7440-39-3	Barium	129		mg/kg dry	1.06	1	"	"	"	"	X
7440-43-9	Cadmium	0.751		mg/kg dry	0.532	1	"	"	"	"	X
7440-47-3	Chromium	8.98		mg/kg dry	1.06	1	"	"	"	"	X
7439-97-6	Mercury	0.186		mg/kg dry	0.0321	1	SW846 7471A	"	21-Jan-09	9010944	X
7439-92-1	Lead	381		mg/kg dry	1.60	1	SW846 6010B	"	20-Jan-09	9010943	X
7782-49-2	Selenium	2.45		mg/kg dry	1.60	1	"	"	"	"	X
TCLP Metals by EPA 1311 & 6000/7000 Series Methods											
	TCLP Extraction	Completed		N/A		1	SW846 1311	05-Feb-09	05-Feb-09	9020460	X
7439-92-1	Lead	0.0360		mg/l	0.0150	1	SW846 1311/6010B	06-Feb-09	07-Feb-09	9020466	X
General Chemistry Parameters											
	% Solids	86.7		%		1	SM2540 G Mod.	20-Jan-09	20-Jan-09	9011186	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C81	127-17797-08011	Soil	14-Jan-09 08:45	15-Jan-09
SA89909-03				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	16-Jan-09	16-Jan-09	9011024	
Volatile Organic Compounds											
Prepared by method SW846 5035A Soil (low level)						Initial weight: 6.12 g					
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	7.1	1	SW846 8260B	16-Jan-09	16-Jan-09	9010991	X
67-64-1	Acetone	BRL		µg/kg dry	71.1	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	7.1	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	7.1	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	7.1	1	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	7.1	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	7.1	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	7.1	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	14.2	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	71.1	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	7.1	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	7.1	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	7.1	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	35.5	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	7.1	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	7.1	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	14.2	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	7.1	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	14.2	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	7.1	1	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	7.1	1	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	14.2	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	7.1	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	7.1	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	7.1	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	7.1	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	7.1	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	7.1	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	14.2	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	7.1	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	7.1	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	7.1	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	7.1	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	7.1	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	7.1	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	7.1	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	7.1	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	7.1	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	7.1	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	7.1	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	7.1	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	7.1	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	71.1	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	7.1	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	7.1	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	7.1	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	71.1	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	71.1	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	7.1	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C81 SA89909-03	127-17797-08011	Soil	14-Jan-09 08:45	15-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
Volatile Organic Compounds						Initial weight: 6.12 g					
Prepared by method SW846 5035A Soil (low level)											
103-65-1	n-Propylbenzene	BRL		µg/kg dry	7.1	1	SW846 8260B	16-Jan-09	16-Jan-09	9010991	X
100-42-5	Styrene	BRL		µg/kg dry	7.1	1	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	7.1	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	7.1	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	7.1	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	7.1	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	7.1	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	7.1	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	7.1	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	7.1	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	7.1	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	7.1	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	7.1	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	7.1	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	7.1	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	7.1	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	7.1	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	14.2	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	7.1	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	71.1	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	7.1	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	7.1	1	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	7.1	1	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	7.1	1	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	71.1	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	142	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	35.5	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	2840	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*84*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*89*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*118*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*102*		*70-130 %*			"	"	"	"	
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
83-32-9	Acenaphthene	BRL		µg/kg dry	433	1	SW846 8270C	19-Jan-09	19-Jan-09	9011051	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	433	1	"	"	"	"	X
62-53-3	Aniline	BRL		µg/kg dry	433	1	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	433	1	"	"	"	"	X
1912-24-9	Atrazine	BRL		µg/kg dry	433	1	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/kg dry	433	1	"	"	"	"	
92-87-5	Benzidine	BRL		µg/kg dry	433	1	"	"	"	"	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	433	1	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	433	1	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	433	1	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	433	1	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	433	1	"	"	"	"	X
65-85-0	Benzoic acid	BRL		µg/kg dry	433	1	"	"	"	"	X
100-51-6	Benzyl alcohol	BRL		µg/kg dry	433	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C81	127-17797-08011	Soil	14-Jan-09 08:45	15-Jan-09
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CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
111-91-1	Bis(2-chloroethoxy)methane	BRL		µg/kg dry	433	1	SW846 8270C	19-Jan-09	19-Jan-09	9011051	X
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/kg dry	433	1	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	433	1	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	433	1	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/kg dry	433	1	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	BRL		µg/kg dry	433	1	"	"	"	"	X
86-74-8	Carbazole	BRL		µg/kg dry	433	1	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	BRL		µg/kg dry	433	1	"	"	"	"	X
106-47-8	4-Chloroaniline	BRL		µg/kg dry	433	1	"	"	"	"	X
91-58-7	2-Chloronaphthalene	BRL		µg/kg dry	433	1	"	"	"	"	X
95-57-8	2-Chlorophenol	BRL		µg/kg dry	433	1	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/kg dry	433	1	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	433	1	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	433	1	"	"	"	"	X
132-64-9	Dibenzofuran	BRL		µg/kg dry	433	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	433	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	433	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	433	1	"	"	"	"	X
91-94-1	3,3'-Dichlorobenzidine	BRL		µg/kg dry	433	1	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	BRL		µg/kg dry	433	1	"	"	"	"	X
84-66-2	Diethyl phthalate	BRL		µg/kg dry	433	1	"	"	"	"	X
131-11-3	Dimethyl phthalate	BRL		µg/kg dry	433	1	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	BRL		µg/kg dry	433	1	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	BRL		µg/kg dry	433	1	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	433	1	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	BRL		µg/kg dry	433	1	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	BRL		µg/kg dry	433	1	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	BRL		µg/kg dry	433	1	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	BRL		µg/kg dry	433	1	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	433	1	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	433	1	"	"	"	"	X
118-74-1	Hexachlorobenzene	BRL		µg/kg dry	433	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	433	1	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	BRL		µg/kg dry	433	1	"	"	"	"	X
67-72-1	Hexachloroethane	BRL		µg/kg dry	433	1	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	433	1	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	433	1	"	"	"	"	
78-59-1	Isophorone	BRL		µg/kg dry	433	1	"	"	"	"	X
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	433	1	"	"	"	"	X
95-48-7	2-Methylphenol	BRL		µg/kg dry	433	1	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	BRL		µg/kg dry	433	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	433	1	"	"	"	"	X
88-74-4	2-Nitroaniline	BRL		µg/kg dry	433	1	"	"	"	"	X
99-09-2	3-Nitroaniline	BRL		µg/kg dry	433	1	"	"	"	"	X
100-01-6	4-Nitroaniline	BRL		µg/kg dry	1730	1	"	"	"	"	X
98-95-3	Nitrobenzene	BRL		µg/kg dry	433	1	"	"	"	"	X
88-75-5	2-Nitrophenol	BRL		µg/kg dry	433	1	"	"	"	"	X
100-02-7	4-Nitrophenol	BRL		µg/kg dry	1730	1	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	BRL		µg/kg dry	433	1	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/kg dry	433	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C81	127-17797-08011	Soil	14-Jan-09 08:45	15-Jan-09
SA89909-03				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
86-30-6	N-Nitrosodiphenylamine	BRL		µg/kg dry	433	1	SW846 8270C	19-Jan-09	19-Jan-09	9011051	X
87-86-5	Pentachlorophenol	BRL		µg/kg dry	433	1	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	433	1	"	"	"	"	X
108-95-2	Phenol	BRL		µg/kg dry	433	1	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	433	1	"	"	"	"	X
110-86-1	Pyridine	BRL		µg/kg dry	433	1	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	433	1	"	"	"	"	X
95-95-4	2,4,5-Trichlorophenol	BRL		µg/kg dry	433	1	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	BRL		µg/kg dry	433	1	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	BRL		µg/kg dry	433	1	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	433	1	"	"	"	"	X
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*72*		*30-130 %*			"	"	"	"	
367-12-4	*2-Fluorophenol*	*65*		*15-110 %*			"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*64*		*30-130 %*			"	"	"	"	
4165-62-2	*Phenol-d5*	*64*		*15-110 %*			"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*67*		*30-130 %*			"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*67*		*15-110 %*			"	"	"	"	
Semivolatile Organic Compounds by GC											
Polychlorinated Biphenyls by SW846 8082											
Prepared by method SW846 3550B											
12674-11-2	PCB 1016	BRL		µg/kg dry	24.9	1	SW846 8082	20-Jan-09	21-Jan-09	9011137	X
11104-28-2	PCB 1221	BRL		µg/kg dry	24.9	1	"	"	"	"	X
11141-16-5	PCB 1232	BRL		µg/kg dry	24.9	1	"	"	"	"	X
53469-21-9	PCB 1242	BRL		µg/kg dry	24.9	1	"	"	"	"	X
12672-29-6	PCB 1248	BRL		µg/kg dry	24.9	1	"	"	"	"	X
11097-69-1	PCB 1254	BRL		µg/kg dry	24.9	1	"	"	"	"	X
11096-82-5	PCB 1260	BRL		µg/kg dry	24.9	1	"	"	"	"	X
37324-23-5	PCB 1262	BRL		µg/kg dry	24.9	1	"	"	"	"	X
11100-14-4	PCB 1268	BRL		µg/kg dry	24.9	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*90*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*58*		*30-150 %*			"	"	"	"	
Chlorinated Herbicides by SW846 8151A											
Prepared by method SW846 3550B											
93-76-5	2,4,5-T	BRL		µg/kg dry	6.70	1	SW846 8151A	20-Jan-09	21-Jan-09	9011138	X
93-72-1	2,4,5-TP (Silvex)	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-75-7	2,4-D	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-82-6	2,4-DB	BRL		µg/kg dry	6.70	1	"	"	"	"	X
75-99-0	Dalapon	BRL		µg/kg dry	6.70	1	"	"	"	"	X
1918-00-9	Dicamba	BRL		µg/kg dry	6.70	1	"	"	"	"	X
120-36-5	Dichlorprop	BRL		µg/kg dry	6.70	1	"	"	"	"	X
88-85-7	Dinoseb	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-74-6	MCPA	BRL		µg/kg dry	670	1	"	"	"	"	X
94-81-5	MCPB	BRL		µg/kg dry	670	1	"	"	"	"	
93-65-2	MCPP	BRL		µg/kg dry	670	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*86*		*30-150 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C81	127-17797-08011	Soil	14-Jan-09 08:45	15-Jan-09
SA89909-03				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3550B											
8006-61-9	Gasoline	BRL		mg/kg dry	17.4	1	+CT ETPH	19-Jan-09	21-Jan-09	9011052	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	17.4	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	17.4	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	17.4	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	17.4	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	17.4	1	"	"	"	"	
	Unidentified	BRL		mg/kg dry	17.4	1	"	"	"	"	
	Other Oil	BRL		mg/kg dry	17.4	1	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL		mg/kg dry	17.4	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	17.4	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*91*		*50-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	BRL		mg/kg dry	1.94	1	SW846 6010B	16-Jan-09	20-Jan-09	9010943	X
7440-38-2	Arsenic	8.69		mg/kg dry	1.94	1	"	"	"	"	X
7440-39-3	Barium	97.2		mg/kg dry	1.29	1	"	"	"	"	X
7440-43-9	Cadmium	1.78		mg/kg dry	0.646	1	"	"	"	"	X
7440-47-3	Chromium	8.24		mg/kg dry	1.29	1	"	"	"	"	X
7439-97-6	Mercury	0.410		mg/kg dry	0.0386	1	SW846 7471A	"	21-Jan-09	9010944	X
7439-92-1	Lead	121		mg/kg dry	1.94	1	SW846 6010B	"	20-Jan-09	9010943	X
7782-49-2	Selenium	2.58		mg/kg dry	1.94	1	"	"	"	"	X
TCLP Metals by EPA 1311 & 6000/7000 Series Methods											
	TCLP Extraction	Completed		N/A		1	SW846 1311	03-Feb-09	03-Feb-09	9020220	X
7439-92-1	Lead	0.0790		mg/l	0.0150	1	SW846 1311/6010B	05-Feb-09	05-Feb-09	9020245	X
General Chemistry Parameters											
	% Solids	75.0		%		1	SM2540 G Mod.	20-Jan-09	20-Jan-09	9011186	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C82 SA89909-04	127-17797-08011	Soil	14-Jan-09 08:00	15-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	16-Jan-09	16-Jan-09	9011024	
Volatile Organic Compounds			VC10			Initial weight: 7.31 g					
Prepared by method SW846 5035A Soil (low level)											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	4.4	1	SW846 8260B	19-Jan-09	19-Jan-09	9011071	X
67-64-1	Acetone	BRL		µg/kg dry	44.1	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	4.4	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	4.4	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	4.4	1	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	4.4	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	4.4	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	4.4	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	8.8	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	44.1	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	4.4	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	4.4	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	4.4	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	22.0	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	4.4	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	4.4	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	8.8	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	4.4	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	8.8	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	4.4	1	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	4.4	1	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	8.8	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	4.4	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	4.4	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	4.4	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	4.4	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	4.4	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	4.4	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	8.8	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	4.4	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	4.4	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	4.4	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	4.4	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	4.4	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	4.4	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	4.4	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	4.4	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	4.4	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	4.4	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	4.4	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	4.4	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	4.4	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	44.1	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	4.4	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	4.4	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	4.4	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	44.1	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	44.1	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	4.4	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C82	127-17797-08011	Soil	14-Jan-09 08:00	15-Jan-09
SA89909-04				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
Volatile Organic Compounds			VC10								
Prepared by method SW846 5035A Soil (low level)						Initial weight: 7.31 g					
103-65-1	n-Propylbenzene	BRL		µg/kg dry	4.4	1	SW846 8260B	19-Jan-09	19-Jan-09	9011071	X
100-42-5	Styrene	BRL		µg/kg dry	4.4	1	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	4.4	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	4.4	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	4.4	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	4.4	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	4.4	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	4.4	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	4.4	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	4.4	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	4.4	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	4.4	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	4.4	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	4.4	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	4.4	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	4.4	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	4.4	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	8.8	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	4.4	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	44.1	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	4.4	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	4.4	1	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	4.4	1	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	4.4	1	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	44.1	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	88.1	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	22.0	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	1760	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*89*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*90*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*116*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*97*		*70-130 %*			"	"	"	"	
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
83-32-9	Acenaphthene	BRL		µg/kg dry	361	1	SW846 8270C	19-Jan-09	19-Jan-09	9011051	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	361	1	"	"	"	"	X
62-53-3	Aniline	BRL		µg/kg dry	361	1	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	361	1	"	"	"	"	X
1912-24-9	Atrazine	BRL		µg/kg dry	361	1	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/kg dry	361	1	"	"	"	"	
92-87-5	Benzidine	BRL		µg/kg dry	361	1	"	"	"	"	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	361	1	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	361	1	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	361	1	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	361	1	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	361	1	"	"	"	"	X
65-85-0	Benzoic acid	BRL		µg/kg dry	361	1	"	"	"	"	X
100-51-6	Benzyl alcohol	BRL		µg/kg dry	361	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C82 SA89909-04	127-17797-08011	Soil	14-Jan-09 08:00	15-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
111-91-1	Bis(2-chloroethoxy)methane	BRL		µg/kg dry	361	1	SW846 8270C	19-Jan-09	19-Jan-09	9011051	X
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/kg dry	361	1	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	361	1	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	361	1	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/kg dry	361	1	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	BRL		µg/kg dry	361	1	"	"	"	"	X
86-74-8	Carbazole	BRL		µg/kg dry	361	1	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	BRL		µg/kg dry	361	1	"	"	"	"	X
106-47-8	4-Chloroaniline	BRL		µg/kg dry	361	1	"	"	"	"	X
91-58-7	2-Chloronaphthalene	BRL		µg/kg dry	361	1	"	"	"	"	X
95-57-8	2-Chlorophenol	BRL		µg/kg dry	361	1	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/kg dry	361	1	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	361	1	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	361	1	"	"	"	"	X
132-64-9	Dibenzofuran	BRL		µg/kg dry	361	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	361	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	361	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	361	1	"	"	"	"	X
91-94-1	3,3'-Dichlorobenzidine	BRL		µg/kg dry	361	1	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	BRL		µg/kg dry	361	1	"	"	"	"	X
84-66-2	Diethyl phthalate	BRL		µg/kg dry	361	1	"	"	"	"	X
131-11-3	Dimethyl phthalate	BRL		µg/kg dry	361	1	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	BRL		µg/kg dry	361	1	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	BRL		µg/kg dry	361	1	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	361	1	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	BRL		µg/kg dry	361	1	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	BRL		µg/kg dry	361	1	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	BRL		µg/kg dry	361	1	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	BRL		µg/kg dry	361	1	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	361	1	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	361	1	"	"	"	"	X
118-74-1	Hexachlorobenzene	BRL		µg/kg dry	361	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	361	1	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	BRL		µg/kg dry	361	1	"	"	"	"	X
67-72-1	Hexachloroethane	BRL		µg/kg dry	361	1	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	361	1	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	361	1	"	"	"	"	
78-59-1	Isophorone	BRL		µg/kg dry	361	1	"	"	"	"	X
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	361	1	"	"	"	"	X
95-48-7	2-Methylphenol	BRL		µg/kg dry	361	1	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	BRL		µg/kg dry	361	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	361	1	"	"	"	"	X
88-74-4	2-Nitroaniline	BRL		µg/kg dry	361	1	"	"	"	"	X
99-09-2	3-Nitroaniline	BRL		µg/kg dry	361	1	"	"	"	"	X
100-01-6	4-Nitroaniline	BRL		µg/kg dry	1440	1	"	"	"	"	X
98-95-3	Nitrobenzene	BRL		µg/kg dry	361	1	"	"	"	"	X
88-75-5	2-Nitrophenol	BRL		µg/kg dry	361	1	"	"	"	"	X
100-02-7	4-Nitrophenol	BRL		µg/kg dry	1440	1	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	BRL		µg/kg dry	361	1	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/kg dry	361	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C82	127-17797-08011	Soil	14-Jan-09 08:00	15-Jan-09
SA89909-04				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
86-30-6	N-Nitrosodiphenylamine	BRL		µg/kg dry	361	1	SW846 8270C	19-Jan-09	19-Jan-09	9011051	X
87-86-5	Pentachlorophenol	BRL		µg/kg dry	361	1	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	361	1	"	"	"	"	X
108-95-2	Phenol	BRL		µg/kg dry	361	1	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	361	1	"	"	"	"	X
110-86-1	Pyridine	BRL		µg/kg dry	361	1	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	361	1	"	"	"	"	X
95-95-4	2,4,5-Trichlorophenol	BRL		µg/kg dry	361	1	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	BRL		µg/kg dry	361	1	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	BRL		µg/kg dry	361	1	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	361	1	"	"	"	"	X
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*80*		*30-130 %*			"	"	"	"	
367-12-4	*2-Fluorophenol*	*76*		*15-110 %*			"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*73*		*30-130 %*			"	"	"	"	
4165-62-2	*Phenol-d5*	*74*		*15-110 %*			"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*74*		*30-130 %*			"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*80*		*15-110 %*			"	"	"	"	
Semivolatile Organic Compounds by GC											
Polychlorinated Biphenyls by SW846 8082											
Prepared by method SW846 3550B											
12674-11-2	PCB 1016	BRL		µg/kg dry	22.2	1	SW846 8082	20-Jan-09	21-Jan-09	9011137	X
11104-28-2	PCB 1221	BRL		µg/kg dry	22.2	1	"	"	"	"	X
11141-16-5	PCB 1232	BRL		µg/kg dry	22.2	1	"	"	"	"	X
53469-21-9	PCB 1242	BRL		µg/kg dry	22.2	1	"	"	"	"	X
12672-29-6	PCB 1248	BRL		µg/kg dry	22.2	1	"	"	"	"	X
11097-69-1	PCB 1254	BRL		µg/kg dry	22.2	1	"	"	"	"	X
11096-82-5	PCB 1260	BRL		µg/kg dry	22.2	1	"	"	"	"	X
37324-23-5	PCB 1262	BRL		µg/kg dry	22.2	1	"	"	"	"	X
11100-14-4	PCB 1268	BRL		µg/kg dry	22.2	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*90*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*52*		*30-150 %*			"	"	"	"	
Chlorinated Herbicides by SW846 8151A											
Prepared by method SW846 3550B											
93-76-5	2,4,5-T	BRL		µg/kg dry	6.70	1	SW846 8151A	20-Jan-09	21-Jan-09	9011138	X
93-72-1	2,4,5-TP (Silvex)	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-75-7	2,4-D	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-82-6	2,4-DB	BRL		µg/kg dry	6.70	1	"	"	"	"	X
75-99-0	Dalapon	BRL		µg/kg dry	6.70	1	"	"	"	"	X
1918-00-9	Dicamba	BRL		µg/kg dry	6.70	1	"	"	"	"	X
120-36-5	Dichlorprop	BRL		µg/kg dry	6.70	1	"	"	"	"	X
88-85-7	Dinoseb	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-74-6	MCPA	BRL		µg/kg dry	670	1	"	"	"	"	X
94-81-5	MCPB	BRL		µg/kg dry	670	1	"	"	"	"	
93-65-2	MCPP	BRL		µg/kg dry	670	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*82*		*30-150 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											

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

* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C82 SA89909-04	127-17797-08011	Soil	14-Jan-09 08:00	15-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3550B											
8006-61-9	Gasoline	BRL		mg/kg dry	14.5	1	+CT ETPH	19-Jan-09	21-Jan-09	9011052	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	14.5	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	14.5	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	14.5	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	14.5	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	14.5	1	"	"	"	"	
	Unidentified	BRL		mg/kg dry	14.5	1	"	"	"	"	
	Other Oil	BRL		mg/kg dry	14.5	1	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL		mg/kg dry	14.5	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	14.5	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*96*		*50-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	BRL		mg/kg dry	1.46	1	SW846 6010B	16-Jan-09	20-Jan-09	9010943	X
7440-38-2	Arsenic	3.37		mg/kg dry	1.46	1	"	"	"	"	X
7440-39-3	Barium	134		mg/kg dry	0.974	1	"	"	"	"	X
7440-43-9	Cadmium	BRL		mg/kg dry	0.487	1	"	"	"	"	X
7440-47-3	Chromium	26.4		mg/kg dry	0.974	1	"	"	"	"	X
7439-97-6	Mercury	0.0444		mg/kg dry	0.0318	1	SW846 7471A	"	21-Jan-09	9010944	X
7439-92-1	Lead	18.0		mg/kg dry	1.46	1	SW846 6010B	"	20-Jan-09	9010943	X
7782-49-2	Selenium	4.46		mg/kg dry	1.46	1	"	"	"	"	X
General Chemistry Parameters											
	% Solids	89.5		%		1	SM2540 G Mod.	20-Jan-09	20-Jan-09	9011186	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C26 SA89909-05	127-17797-08011	Soil	14-Jan-09 13:00	15-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	16-Jan-09	16-Jan-09	9011024	
Volatile Organic Compounds						Initial weight: 6.04 g					
Prepared by method SW846 5035A Soil (low level)											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	6.1	1	SW846 8260B	16-Jan-09	16-Jan-09	9010991	X
67-64-1	Acetone	BRL		µg/kg dry	61.5	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	6.1	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	6.1	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	6.1	1	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	6.1	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	6.1	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	6.1	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	12.3	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	61.5	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	6.1	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	6.1	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	6.1	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	30.7	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	6.1	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	6.1	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	12.3	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	6.1	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	12.3	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	6.1	1	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	6.1	1	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	12.3	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	6.1	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	6.1	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	6.1	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	6.1	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	6.1	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	6.1	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	12.3	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	6.1	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	6.1	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	6.1	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	6.1	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	6.1	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	6.1	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	6.1	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	6.1	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	6.1	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	6.1	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	6.1	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	6.1	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	6.1	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	61.5	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	6.1	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	6.1	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	6.1	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	61.5	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	61.5	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	6.1	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C26 SA89909-05	127-17797-08011	Soil	14-Jan-09 13:00	15-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
Volatile Organic Compounds						Initial weight: 6.04 g					
Prepared by method SW846 5035A Soil (low level)											
103-65-1	n-Propylbenzene	BRL		µg/kg dry	6.1	1	SW846 8260B	16-Jan-09	16-Jan-09	9010991	X
100-42-5	Styrene	BRL		µg/kg dry	6.1	1	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	6.1	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	6.1	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	6.1	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	6.1	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	6.1	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	6.1	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	6.1	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	6.1	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	6.1	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	6.1	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	6.1	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	6.1	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	6.1	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	6.1	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	6.1	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	12.3	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	6.1	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	61.5	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	6.1	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	6.1	1	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	6.1	1	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	6.1	1	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	61.5	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	123	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	30.7	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	2460	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*87*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*89*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*120*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*101*		*70-130 %*			"	"	"	"	
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
83-32-9	Acenaphthene	BRL		µg/kg dry	400	1	SW846 8270C	19-Jan-09	19-Jan-09	9011051	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	400	1	"	"	"	"	X
62-53-3	Aniline	BRL		µg/kg dry	400	1	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	400	1	"	"	"	"	X
1912-24-9	Atrazine	BRL		µg/kg dry	400	1	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/kg dry	400	1	"	"	"	"	
92-87-5	Benzidine	BRL		µg/kg dry	400	1	"	"	"	"	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	400	1	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	400	1	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	400	1	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	400	1	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	400	1	"	"	"	"	X
65-85-0	Benzoic acid	BRL		µg/kg dry	400	1	"	"	"	"	X
100-51-6	Benzyl alcohol	BRL		µg/kg dry	400	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C26	127-17797-08011	Soil	14-Jan-09 13:00	15-Jan-09
SA89909-05				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
111-91-1	Bis(2-chloroethoxy)methane	BRL		µg/kg dry	400	1	SW846 8270C	19-Jan-09	19-Jan-09	9011051	X
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/kg dry	400	1	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	400	1	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	400	1	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/kg dry	400	1	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	BRL		µg/kg dry	400	1	"	"	"	"	X
86-74-8	Carbazole	BRL		µg/kg dry	400	1	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	BRL		µg/kg dry	400	1	"	"	"	"	X
106-47-8	4-Chloroaniline	BRL		µg/kg dry	400	1	"	"	"	"	X
91-58-7	2-Chloronaphthalene	BRL		µg/kg dry	400	1	"	"	"	"	X
95-57-8	2-Chlorophenol	BRL		µg/kg dry	400	1	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/kg dry	400	1	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	400	1	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	400	1	"	"	"	"	X
132-64-9	Dibenzofuran	BRL		µg/kg dry	400	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	400	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	400	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	400	1	"	"	"	"	X
91-94-1	3,3'-Dichlorobenzidine	BRL		µg/kg dry	400	1	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	BRL		µg/kg dry	400	1	"	"	"	"	X
84-66-2	Diethyl phthalate	BRL		µg/kg dry	400	1	"	"	"	"	X
131-11-3	Dimethyl phthalate	BRL		µg/kg dry	400	1	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	BRL		µg/kg dry	400	1	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	BRL		µg/kg dry	400	1	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	400	1	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	BRL		µg/kg dry	400	1	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	BRL		µg/kg dry	400	1	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	BRL		µg/kg dry	400	1	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	BRL		µg/kg dry	400	1	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	400	1	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	400	1	"	"	"	"	X
118-74-1	Hexachlorobenzene	BRL		µg/kg dry	400	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	400	1	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	BRL		µg/kg dry	400	1	"	"	"	"	X
67-72-1	Hexachloroethane	BRL		µg/kg dry	400	1	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	400	1	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	400	1	"	"	"	"	
78-59-1	Isophorone	BRL		µg/kg dry	400	1	"	"	"	"	X
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	400	1	"	"	"	"	X
95-48-7	2-Methylphenol	BRL		µg/kg dry	400	1	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	BRL		µg/kg dry	400	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	400	1	"	"	"	"	X
88-74-4	2-Nitroaniline	BRL		µg/kg dry	400	1	"	"	"	"	X
99-09-2	3-Nitroaniline	BRL		µg/kg dry	400	1	"	"	"	"	X
100-01-6	4-Nitroaniline	BRL		µg/kg dry	1600	1	"	"	"	"	X
98-95-3	Nitrobenzene	BRL		µg/kg dry	400	1	"	"	"	"	X
88-75-5	2-Nitrophenol	BRL		µg/kg dry	400	1	"	"	"	"	X
100-02-7	4-Nitrophenol	BRL		µg/kg dry	1600	1	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	BRL		µg/kg dry	400	1	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/kg dry	400	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C26 SA89909-05	127-17797-08011	Soil	14-Jan-09 13:00	15-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
86-30-6	N-Nitrosodiphenylamine	BRL		µg/kg dry	400	1	SW846 8270C	19-Jan-09	19-Jan-09	9011051	X
87-86-5	Pentachlorophenol	BRL		µg/kg dry	400	1	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	400	1	"	"	"	"	X
108-95-2	Phenol	BRL		µg/kg dry	400	1	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	400	1	"	"	"	"	X
110-86-1	Pyridine	BRL		µg/kg dry	400	1	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	400	1	"	"	"	"	X
95-95-4	2,4,5-Trichlorophenol	BRL		µg/kg dry	400	1	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	BRL		µg/kg dry	400	1	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	BRL		µg/kg dry	400	1	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	400	1	"	"	"	"	X
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*79*		*30-130 %*			"	"	"	"	
367-12-4	*2-Fluorophenol*	*78*		*15-110 %*			"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*71*		*30-130 %*			"	"	"	"	
4165-62-2	*Phenol-d5*	*73*		*15-110 %*			"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*74*		*30-130 %*			"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*75*		*15-110 %*			"	"	"	"	
Semivolatile Organic Compounds by GC											
Polychlorinated Biphenyls by SW846 8082											
Prepared by method SW846 3550B											
12674-11-2	PCB 1016	BRL		µg/kg dry	24.3	1	SW846 8082	20-Jan-09	21-Jan-09	9011137	X
11104-28-2	PCB 1221	BRL		µg/kg dry	24.3	1	"	"	"	"	X
11141-16-5	PCB 1232	BRL		µg/kg dry	24.3	1	"	"	"	"	X
53469-21-9	PCB 1242	BRL		µg/kg dry	24.3	1	"	"	"	"	X
12672-29-6	PCB 1248	BRL		µg/kg dry	24.3	1	"	"	"	"	X
11097-69-1	PCB 1254	BRL		µg/kg dry	24.3	1	"	"	"	"	X
11096-82-5	PCB 1260	BRL		µg/kg dry	24.3	1	"	"	"	"	X
37324-23-5	PCB 1262	BRL		µg/kg dry	24.3	1	"	"	"	"	X
11100-14-4	PCB 1268	BRL		µg/kg dry	24.3	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*89*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*50*		*30-150 %*			"	"	"	"	
Chlorinated Herbicides by SW846 8151A											
Prepared by method SW846 3550B											
93-76-5	2,4,5-T	BRL		µg/kg dry	6.70	1	SW846 8151A	20-Jan-09	21-Jan-09	9011138	X
93-72-1	2,4,5-TP (Silvex)	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-75-7	2,4-D	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-82-6	2,4-DB	BRL		µg/kg dry	6.70	1	"	"	"	"	X
75-99-0	Dalapon	BRL		µg/kg dry	6.70	1	"	"	"	"	X
1918-00-9	Dicamba	BRL		µg/kg dry	6.70	1	"	"	"	"	X
120-36-5	Dichlorprop	BRL		µg/kg dry	6.70	1	"	"	"	"	X
88-85-7	Dinoseb	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-74-6	MCPA	BRL		µg/kg dry	670	1	"	"	"	"	X
94-81-5	MCPB	BRL		µg/kg dry	670	1	"	"	"	"	
93-65-2	MCPP	BRL		µg/kg dry	670	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*91*		*30-150 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RSB-C26	127-17797-08011	Soil	14-Jan-09 13:00	15-Jan-09
SA89909-05				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3550B											
8006-61-9	Gasoline	BRL		mg/kg dry	16.1	1	+CT ETPH	19-Jan-09	21-Jan-09	9011052	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	16.1	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	16.1	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	16.1	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	16.1	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	16.1	1	"	"	"	"	
	Unidentified	BRL		mg/kg dry	16.1	1	"	"	"	"	
	Other Oil	BRL		mg/kg dry	16.1	1	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL		mg/kg dry	16.1	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	16.1	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*97*		*50-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	BRL		mg/kg dry	1.59	1	SW846 6010B	16-Jan-09	20-Jan-09	9010943	X
7440-38-2	Arsenic	1.81		mg/kg dry	1.59	1	"	"	"	"	X
7440-39-3	Barium	64.0		mg/kg dry	1.06	1	"	"	"	"	X
7440-43-9	Cadmium	BRL		mg/kg dry	0.529	1	"	"	"	"	X
7440-47-3	Chromium	17.7		mg/kg dry	1.06	1	"	"	"	"	X
7439-97-6	Mercury	0.0403		mg/kg dry	0.0344	1	SW846 7471A	"	21-Jan-09	9010944	X
7439-92-1	Lead	17.9		mg/kg dry	1.59	1	SW846 6010B	"	20-Jan-09	9010943	X
7782-49-2	Selenium	3.10		mg/kg dry	1.59	1	"	"	"	"	X
General Chemistry Parameters											
	% Solids	82.0		%		1	SM2540 G Mod.	20-Jan-09	20-Jan-09	9011186	

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010991 - SW846 5035A Soil (low level)										
Blank (9010991-BLK1)										
Prepared & Analyzed: 16-Jan-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg wet	5.0						
Acetone	BRL		µg/kg wet	50.0						
Acrylonitrile	BRL		µg/kg wet	5.0						
Benzene	BRL		µg/kg wet	5.0						
Bromobenzene	BRL		µg/kg wet	5.0						
Bromochloromethane	BRL		µg/kg wet	5.0						
Bromodichloromethane	BRL		µg/kg wet	5.0						
Bromoform	BRL		µg/kg wet	5.0						
Bromomethane	BRL		µg/kg wet	10.0						
2-Butanone (MEK)	BRL		µg/kg wet	50.0						
n-Butylbenzene	BRL		µg/kg wet	5.0						
sec-Butylbenzene	BRL		µg/kg wet	5.0						
tert-Butylbenzene	BRL		µg/kg wet	5.0						
Carbon disulfide	BRL		µg/kg wet	25.0						
Carbon tetrachloride	BRL		µg/kg wet	5.0						
Chlorobenzene	BRL		µg/kg wet	5.0						
Chloroethane	BRL		µg/kg wet	10.0						
Chloroform	BRL		µg/kg wet	5.0						
Chloromethane	BRL		µg/kg wet	10.0						
2-Chlorotoluene	BRL		µg/kg wet	5.0						
4-Chlorotoluene	BRL		µg/kg wet	5.0						
1,2-Dibromo-3-chloropropane	BRL		µg/kg wet	10.0						
Dibromochloromethane	BRL		µg/kg wet	5.0						
1,2-Dibromoethane (EDB)	BRL		µg/kg wet	5.0						
Dibromomethane	BRL		µg/kg wet	5.0						
1,2-Dichlorobenzene	BRL		µg/kg wet	5.0						
1,3-Dichlorobenzene	BRL		µg/kg wet	5.0						
1,4-Dichlorobenzene	BRL		µg/kg wet	5.0						
Dichlorodifluoromethane (Freon12)	BRL		µg/kg wet	10.0						
1,1-Dichloroethane	BRL		µg/kg wet	5.0						
1,2-Dichloroethane	BRL		µg/kg wet	5.0						
1,1-Dichloroethene	BRL		µg/kg wet	5.0						
cis-1,2-Dichloroethene	BRL		µg/kg wet	5.0						
trans-1,2-Dichloroethene	BRL		µg/kg wet	5.0						
1,2-Dichloropropane	BRL		µg/kg wet	5.0						
1,3-Dichloropropane	BRL		µg/kg wet	5.0						
2,2-Dichloropropane	BRL		µg/kg wet	5.0						
1,1-Dichloropropene	BRL		µg/kg wet	5.0						
cis-1,3-Dichloropropene	BRL		µg/kg wet	5.0						
trans-1,3-Dichloropropene	BRL		µg/kg wet	5.0						
Ethylbenzene	BRL		µg/kg wet	5.0						
Hexachlorobutadiene	BRL		µg/kg wet	5.0						
2-Hexanone (MBK)	BRL		µg/kg wet	50.0						
Isopropylbenzene	BRL		µg/kg wet	5.0						
4-Isopropyltoluene	BRL		µg/kg wet	5.0						
Methyl tert-butyl ether	BRL		µg/kg wet	5.0						
4-Methyl-2-pentanone (MIBK)	BRL		µg/kg wet	50.0						
Methylene chloride	BRL		µg/kg wet	50.0						
Naphthalene	BRL		µg/kg wet	5.0						

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010991 - SW846 5035A Soil (low level)										
Blank (9010991-BLK1)										
Prepared & Analyzed: 16-Jan-09										
n-Propylbenzene	BRL		µg/kg wet	5.0						
Styrene	BRL		µg/kg wet	5.0						
1,1,1,2-Tetrachloroethane	BRL		µg/kg wet	5.0						
1,1,2,2-Tetrachloroethane	BRL		µg/kg wet	5.0						
Tetrachloroethene	BRL		µg/kg wet	5.0						
Toluene	BRL		µg/kg wet	5.0						
1,2,3-Trichlorobenzene	BRL		µg/kg wet	5.0						
1,2,4-Trichlorobenzene	BRL		µg/kg wet	5.0						
1,3,5-Trichlorobenzene	BRL		µg/kg wet	5.0						
1,1,1-Trichloroethane	BRL		µg/kg wet	5.0						
1,1,2-Trichloroethane	BRL		µg/kg wet	5.0						
Trichloroethene	BRL		µg/kg wet	5.0						
Trichlorofluoromethane (Freon 11)	BRL		µg/kg wet	5.0						
1,2,3-Trichloropropane	BRL		µg/kg wet	5.0						
1,2,4-Trimethylbenzene	BRL		µg/kg wet	5.0						
1,3,5-Trimethylbenzene	BRL		µg/kg wet	5.0						
Vinyl chloride	BRL		µg/kg wet	5.0						
m,p-Xylene	BRL		µg/kg wet	10.0						
o-Xylene	BRL		µg/kg wet	5.0						
Tetrahydrofuran	BRL		µg/kg wet	50.0						
Ethyl ether	BRL		µg/kg wet	5.0						
Tert-amyl methyl ether	BRL		µg/kg wet	5.0						
Ethyl tert-butyl ether	BRL		µg/kg wet	5.0						
Di-isopropyl ether	BRL		µg/kg wet	5.0						
Tert-Butanol / butyl alcohol	BRL		µg/kg wet	50.0						
1,4-Dioxane	BRL		µg/kg wet	100						
trans-1,4-Dichloro-2-butene	BRL		µg/kg wet	25.0						
Ethanol	BRL		µg/kg wet	2000						
Surrogate: 4-Bromofluorobenzene	*43.1*		µg/kg wet		*50.0*		*86*	*70-130*		
Surrogate: Toluene-d8	*46.1*		µg/kg wet		*50.0*		*92*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*55.8*		µg/kg wet		*50.0*		*112*	*70-130*		
Surrogate: Dibromofluoromethane	*50.2*		µg/kg wet		*50.0*		*100*	*70-130*		
LCS (9010991-BS1)										
Prepared & Analyzed: 16-Jan-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	21.6		µg/kg wet		20.0		108	70-130		
Acetone	12.7		µg/kg wet		20.0		64	7.9-168		
Acrylonitrile	18.0		µg/kg wet		20.0		90	70-130		
Benzene	21.0		µg/kg wet		20.0		105	70-130		
Bromobenzene	19.0		µg/kg wet		20.0		95	70-130		
Bromochloromethane	17.9		µg/kg wet		20.0		89	70-130		
Bromodichloromethane	20.2		µg/kg wet		20.0		101	70-130		
Bromoform	19.1		µg/kg wet		20.0		96	70-130		
Bromomethane	18.2		µg/kg wet		20.0		91	50-134		
2-Butanone (MEK)	15.5		µg/kg wet		20.0		77	44.6-130		
n-Butylbenzene	22.8		µg/kg wet		20.0		114	70-130		
sec-Butylbenzene	20.8		µg/kg wet		20.0		104	70-130		
tert-Butylbenzene	19.7		µg/kg wet		20.0		99	70-130		
Carbon disulfide	22.8		µg/kg wet		20.0		114	70-130		
Carbon tetrachloride	21.3		µg/kg wet		20.0		106	70-130		
Chlorobenzene	19.9		µg/kg wet		20.0		99	70-130		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010991 - SW846 5035A Soil (low level)										
LCS (9010991-BS1)										
Prepared & Analyzed: 16-Jan-09										
Chloroethane	18.8		µg/kg wet		20.0		94	59.2-130		
Chloroform	18.4		µg/kg wet		20.0		92	70-130		
Chloromethane	18.5		µg/kg wet		20.0		93	70-130		
2-Chlorotoluene	21.0		µg/kg wet		20.0		105	70-130		
4-Chlorotoluene	19.7		µg/kg wet		20.0		98	70-130		
1,2-Dibromo-3-chloropropane	20.3		µg/kg wet		20.0		101	70-130		
Dibromochloromethane	18.3		µg/kg wet		20.0		92	63.8-130		
1,2-Dibromoethane (EDB)	17.0		µg/kg wet		20.0		85	70-130		
Dibromomethane	17.4		µg/kg wet		20.0		87	70-130		
1,2-Dichlorobenzene	20.5		µg/kg wet		20.0		103	70-130		
1,3-Dichlorobenzene	19.2		µg/kg wet		20.0		96	70-130		
1,4-Dichlorobenzene	20.2		µg/kg wet		20.0		101	70-130		
Dichlorodifluoromethane (Freon12)	18.6		µg/kg wet		20.0		93	41.8-130		
1,1-Dichloroethane	19.7		µg/kg wet		20.0		98	70-130		
1,2-Dichloroethane	18.1		µg/kg wet		20.0		90	70-130		
1,1-Dichloroethene	21.8		µg/kg wet		20.0		109	70-130		
cis-1,2-Dichloroethene	19.1		µg/kg wet		20.0		96	70-130		
trans-1,2-Dichloroethene	20.1		µg/kg wet		20.0		101	70-130		
1,2-Dichloropropane	20.1		µg/kg wet		20.0		101	70-130		
1,3-Dichloropropane	17.6		µg/kg wet		20.0		88	70-130		
2,2-Dichloropropane	20.4		µg/kg wet		20.0		102	70-130		
1,1-Dichloropropene	20.5		µg/kg wet		20.0		102	70-130		
cis-1,3-Dichloropropene	19.0		µg/kg wet		20.0		95	70-130		
trans-1,3-Dichloropropene	19.6		µg/kg wet		20.0		98	70-130		
Ethylbenzene	20.6		µg/kg wet		20.0		103	70-130		
Hexachlorobutadiene	19.5		µg/kg wet		20.0		97	68.3-130		
2-Hexanone (MBK)	15.4		µg/kg wet		20.0		77	70-130		
Isopropylbenzene	20.0		µg/kg wet		20.0		100	70-130		
4-Isopropyltoluene	21.9		µg/kg wet		20.0		110	70-130		
Methyl tert-butyl ether	18.7		µg/kg wet		20.0		93	70-130		
4-Methyl-2-pentanone (MIBK)	15.6		µg/kg wet		20.0		78	53.1-132		
Methylene chloride	18.4		µg/kg wet		20.0		92	70-130		
Naphthalene	17.4		µg/kg wet		20.0		87	70-130		
n-Propylbenzene	20.5		µg/kg wet		20.0		102	70-130		
Styrene	19.5		µg/kg wet		20.0		97	70-130		
1,1,1,2-Tetrachloroethane	19.4		µg/kg wet		20.0		97	70-130		
1,1,2,2-Tetrachloroethane	18.8		µg/kg wet		20.0		94	70-130		
Tetrachloroethene	19.0		µg/kg wet		20.0		95	70-130		
Toluene	17.6		µg/kg wet		20.0		88	70-130		
1,2,3-Trichlorobenzene	19.0		µg/kg wet		20.0		95	70-130		
1,2,4-Trichlorobenzene	18.9		µg/kg wet		20.0		94	70-130		
1,3,5-Trichlorobenzene	20.2		µg/kg wet		20.0		101	70-130		
1,1,1-Trichloroethane	20.2		µg/kg wet		20.0		101	70-130		
1,1,2-Trichloroethane	18.7		µg/kg wet		20.0		93	70-130		
Trichloroethene	20.0		µg/kg wet		20.0		100	70-130		
Trichlorofluoromethane (Freon 11)	20.8		µg/kg wet		20.0		104	68.2-130		
1,2,3-Trichloropropane	18.5		µg/kg wet		20.0		93	70-130		
1,2,4-Trimethylbenzene	19.9		µg/kg wet		20.0		99	70-130		
1,3,5-Trimethylbenzene	20.0		µg/kg wet		20.0		100	70-130		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010991 - SW846 5035A Soil (low level)										
LCS (9010991-BS1)										
Prepared & Analyzed: 16-Jan-09										
Vinyl chloride	20.9		µg/kg wet		20.0		104	70-130		
m,p-Xylene	41.7		µg/kg wet		40.0		104	70-130		
o-Xylene	20.0		µg/kg wet		20.0		100	70-130		
Tetrahydrofuran	15.8		µg/kg wet		20.0		79	70-130		
Ethyl ether	19.9		µg/kg wet		20.0		100	70-130		
Tert-amyl methyl ether	15.3		µg/kg wet		20.0		76	70-130		
Ethyl tert-butyl ether	19.4		µg/kg wet		20.0		97	70-130		
Di-isopropyl ether	20.4		µg/kg wet		20.0		102	70-130		
Tert-Butanol / butyl alcohol	191		µg/kg wet		200		96	70-130		
1,4-Dioxane	164		µg/kg wet		200		82	48.7-130		
trans-1,4-Dichloro-2-butene	19.9		µg/kg wet		20.0		100	70-130		
Ethanol	362		µg/kg wet		400		90	70-130		
Surrogate: 4-Bromofluorobenzene	*48.6*		µg/kg wet		*50.0*		*97*	*70-130*		
Surrogate: Toluene-d8	*46.7*		µg/kg wet		*50.0*		*93*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*44.0*		µg/kg wet		*50.0*		*88*	*70-130*		
Surrogate: Dibromofluoromethane	*46.2*		µg/kg wet		*50.0*		*92*	*70-130*		
LCS Dup (9010991-BSD1)										
Prepared & Analyzed: 16-Jan-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	22.6		µg/kg wet		20.0		113	70-130	4	25
Acetone	10.3		µg/kg wet		20.0		51	7.9-168	21	50
Acrylonitrile	17.0		µg/kg wet		20.0		85	70-130	6	25
Benzene	21.1		µg/kg wet		20.0		105	70-130	0.4	25
Bromobenzene	18.7		µg/kg wet		20.0		93	70-130	2	25
Bromochloromethane	17.0		µg/kg wet		20.0		85	70-130	5	25
Bromodichloromethane	20.3		µg/kg wet		20.0		101	70-130	0.3	25
Bromoform	19.0		µg/kg wet		20.0		95	70-130	0.6	25
Bromomethane	15.8		µg/kg wet		20.0		79	50-134	14	50
2-Butanone (MEK)	17.2		µg/kg wet		20.0		86	44.6-130	11	50
n-Butylbenzene	23.2		µg/kg wet		20.0		116	70-130	2	25
sec-Butylbenzene	19.6		µg/kg wet		20.0		98	70-130	6	25
tert-Butylbenzene	18.8		µg/kg wet		20.0		94	70-130	5	25
Carbon disulfide	22.2		µg/kg wet		20.0		111	70-130	3	25
Carbon tetrachloride	21.2		µg/kg wet		20.0		106	70-130	0.2	25
Chlorobenzene	20.1		µg/kg wet		20.0		100	70-130	1	25
Chloroethane	16.7		µg/kg wet		20.0		83	59.2-130	12	50
Chloroform	18.9		µg/kg wet		20.0		94	70-130	3	25
Chloromethane	16.0		µg/kg wet		20.0		80	70-130	15	25
2-Chlorotoluene	20.7		µg/kg wet		20.0		104	70-130	1	25
4-Chlorotoluene	19.5		µg/kg wet		20.0		97	70-130	1	25
1,2-Dibromo-3-chloropropane	19.7		µg/kg wet		20.0		99	70-130	3	25
Dibromochloromethane	17.8		µg/kg wet		20.0		89	63.8-130	3	50
1,2-Dibromoethane (EDB)	16.8		µg/kg wet		20.0		84	70-130	1	25
Dibromomethane	17.2		µg/kg wet		20.0		86	70-130	1	25
1,2-Dichlorobenzene	20.5		µg/kg wet		20.0		103	70-130	0.05	25
1,3-Dichlorobenzene	18.2		µg/kg wet		20.0		91	70-130	5	25
1,4-Dichlorobenzene	20.9		µg/kg wet		20.0		104	70-130	4	25
Dichlorodifluoromethane (Freon12)	16.7		µg/kg wet		20.0		84	41.8-130	11	50
1,1-Dichloroethane	20.0		µg/kg wet		20.0		100	70-130	2	25
1,2-Dichloroethane	18.1		µg/kg wet		20.0		90	70-130	0.06	25
1,1-Dichloroethene	21.4		µg/kg wet		20.0		107	70-130	2	25

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010991 - SW846 5035A Soil (low level)										
LCS Dup (9010991-BSD1)										
Prepared & Analyzed: 16-Jan-09										
cis-1,2-Dichloroethene	19.8		µg/kg wet		20.0		99	70-130	4	25
trans-1,2-Dichloroethene	21.1		µg/kg wet		20.0		106	70-130	5	25
1,2-Dichloropropane	21.6		µg/kg wet		20.0		108	70-130	7	25
1,3-Dichloropropane	17.3		µg/kg wet		20.0		87	70-130	2	25
2,2-Dichloropropane	21.2		µg/kg wet		20.0		106	70-130	4	25
1,1-Dichloropropene	20.9		µg/kg wet		20.0		104	70-130	2	25
cis-1,3-Dichloropropene	19.2		µg/kg wet		20.0		96	70-130	0.7	25
trans-1,3-Dichloropropene	18.9		µg/kg wet		20.0		95	70-130	3	25
Ethylbenzene	21.0		µg/kg wet		20.0		105	70-130	2	25
Hexachlorobutadiene	19.3		µg/kg wet		20.0		97	68.3-130	0.8	50
2-Hexanone (MBK)	15.0		µg/kg wet		20.0		75	70-130	3	25
Isopropylbenzene	19.7		µg/kg wet		20.0		98	70-130	1	25
4-Isopropyltoluene	21.6		µg/kg wet		20.0		108	70-130	1	25
Methyl tert-butyl ether	18.8		µg/kg wet		20.0		94	70-130	0.4	25
4-Methyl-2-pentanone (MIBK)	15.6		µg/kg wet		20.0		78	53.1-132	0.06	50
Methylene chloride	18.0		µg/kg wet		20.0		90	70-130	2	25
Naphthalene	16.2		µg/kg wet		20.0		81	70-130	7	25
n-Propylbenzene	20.2		µg/kg wet		20.0		101	70-130	2	25
Styrene	20.1		µg/kg wet		20.0		100	70-130	3	25
1,1,1,2-Tetrachloroethane	20.2		µg/kg wet		20.0		101	70-130	4	25
1,1,2,2-Tetrachloroethane	18.0		µg/kg wet		20.0		90	70-130	5	25
Tetrachloroethene	18.7		µg/kg wet		20.0		94	70-130	2	25
Toluene	17.2		µg/kg wet		20.0		86	70-130	2	25
1,2,3-Trichlorobenzene	17.8		µg/kg wet		20.0		89	70-130	7	25
1,2,4-Trichlorobenzene	17.6		µg/kg wet		20.0		88	70-130	7	25
1,3,5-Trichlorobenzene	19.7		µg/kg wet		20.0		98	70-130	3	25
1,1,1-Trichloroethane	20.6		µg/kg wet		20.0		103	70-130	2	25
1,1,2-Trichloroethane	17.8		µg/kg wet		20.0		89	70-130	5	25
Trichloroethene	20.8		µg/kg wet		20.0		104	70-130	4	25
Trichlorofluoromethane (Freon 11)	20.6		µg/kg wet		20.0		103	68.2-130	1	50
1,2,3-Trichloropropane	18.5		µg/kg wet		20.0		93	70-130	0.1	25
1,2,4-Trimethylbenzene	19.4		µg/kg wet		20.0		97	70-130	2	25
1,3,5-Trimethylbenzene	19.8		µg/kg wet		20.0		99	70-130	0.6	25
Vinyl chloride	19.1		µg/kg wet		20.0		96	70-130	9	25
m,p-Xylene	42.0		µg/kg wet		40.0		105	70-130	0.8	25
o-Xylene	20.3		µg/kg wet		20.0		102	70-130	2	25
Tetrahydrofuran	14.4		µg/kg wet		20.0		72	70-130	9	25
Ethyl ether	19.1		µg/kg wet		20.0		96	70-130	4	50
Tert-amyl methyl ether	18.5		µg/kg wet		20.0		93	70-130	19	25
Ethyl tert-butyl ether	19.9		µg/kg wet		20.0		99	70-130	3	25
Di-isopropyl ether	21.7		µg/kg wet		20.0		108	70-130	6	25
Tert-Butanol / butyl alcohol	180		µg/kg wet		200		90	70-130	6	25
1,4-Dioxane	155		µg/kg wet		200		77	48.7-130	6	25
trans-1,4-Dichloro-2-butene	19.6		µg/kg wet		20.0		98	70-130	2	25
Ethanol	367		µg/kg wet		400		92	70-130	1	30
Surrogate: 4-Bromofluorobenzene	*46.9*		µg/kg wet		*50.0*		*94*	*70-130*		
Surrogate: Toluene-d8	*45.8*		µg/kg wet		*50.0*		*92*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*43.8*		µg/kg wet		*50.0*		*88*	*70-130*		
Surrogate: Dibromofluoromethane	*46.7*		µg/kg wet		*50.0*		*93*	*70-130*		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9011071 - SW846 5035A Soil (low level)										
Blank (9011071-BLK1)										
Prepared & Analyzed: 19-Jan-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg wet	5.0						
Acetone	BRL		µg/kg wet	50.0						
Acrylonitrile	BRL		µg/kg wet	5.0						
Benzene	BRL		µg/kg wet	5.0						
Bromobenzene	BRL		µg/kg wet	5.0						
Bromochloromethane	BRL		µg/kg wet	5.0						
Bromodichloromethane	BRL		µg/kg wet	5.0						
Bromoform	BRL		µg/kg wet	5.0						
Bromomethane	BRL		µg/kg wet	10.0						
2-Butanone (MEK)	BRL		µg/kg wet	50.0						
n-Butylbenzene	BRL		µg/kg wet	5.0						
sec-Butylbenzene	BRL		µg/kg wet	5.0						
tert-Butylbenzene	BRL		µg/kg wet	5.0						
Carbon disulfide	BRL		µg/kg wet	25.0						
Carbon tetrachloride	BRL		µg/kg wet	5.0						
Chlorobenzene	BRL		µg/kg wet	5.0						
Chloroethane	BRL		µg/kg wet	10.0						
Chloroform	BRL		µg/kg wet	5.0						
Chloromethane	BRL		µg/kg wet	10.0						
2-Chlorotoluene	BRL		µg/kg wet	5.0						
4-Chlorotoluene	BRL		µg/kg wet	5.0						
1,2-Dibromo-3-chloropropane	BRL		µg/kg wet	10.0						
Dibromochloromethane	BRL		µg/kg wet	5.0						
1,2-Dibromoethane (EDB)	BRL		µg/kg wet	5.0						
Dibromomethane	BRL		µg/kg wet	5.0						
1,2-Dichlorobenzene	BRL		µg/kg wet	5.0						
1,3-Dichlorobenzene	BRL		µg/kg wet	5.0						
1,4-Dichlorobenzene	BRL		µg/kg wet	5.0						
Dichlorodifluoromethane (Freon12)	BRL		µg/kg wet	10.0						
1,1-Dichloroethane	BRL		µg/kg wet	5.0						
1,2-Dichloroethane	BRL		µg/kg wet	5.0						
1,1-Dichloroethene	BRL		µg/kg wet	5.0						
cis-1,2-Dichloroethene	BRL		µg/kg wet	5.0						
trans-1,2-Dichloroethene	BRL		µg/kg wet	5.0						
1,2-Dichloropropane	BRL		µg/kg wet	5.0						
1,3-Dichloropropane	BRL		µg/kg wet	5.0						
2,2-Dichloropropane	BRL		µg/kg wet	5.0						
1,1-Dichloropropene	BRL		µg/kg wet	5.0						
cis-1,3-Dichloropropene	BRL		µg/kg wet	5.0						
trans-1,3-Dichloropropene	BRL		µg/kg wet	5.0						
Ethylbenzene	BRL		µg/kg wet	5.0						
Hexachlorobutadiene	BRL		µg/kg wet	5.0						
2-Hexanone (MBK)	BRL		µg/kg wet	50.0						
Isopropylbenzene	BRL		µg/kg wet	5.0						
4-Isopropyltoluene	BRL		µg/kg wet	5.0						
Methyl tert-butyl ether	BRL		µg/kg wet	5.0						
4-Methyl-2-pentanone (MIBK)	BRL		µg/kg wet	50.0						
Methylene chloride	BRL		µg/kg wet	50.0						
Naphthalene	BRL		µg/kg wet	5.0						
n-Propylbenzene	BRL		µg/kg wet	5.0						

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9011071 - SW846 5035A Soil (low level)										
Blank (9011071-BLK1)										
Prepared & Analyzed: 19-Jan-09										
Styrene	BRL		µg/kg wet	5.0						
1,1,1,2-Tetrachloroethane	BRL		µg/kg wet	5.0						
1,1,2,2-Tetrachloroethane	BRL		µg/kg wet	5.0						
Tetrachloroethene	BRL		µg/kg wet	5.0						
Toluene	BRL		µg/kg wet	5.0						
1,2,3-Trichlorobenzene	BRL		µg/kg wet	5.0						
1,2,4-Trichlorobenzene	BRL		µg/kg wet	5.0						
1,3,5-Trichlorobenzene	BRL		µg/kg wet	5.0						
1,1,1-Trichloroethane	BRL		µg/kg wet	5.0						
1,1,2-Trichloroethane	BRL		µg/kg wet	5.0						
Trichloroethene	BRL		µg/kg wet	5.0						
Trichlorofluoromethane (Freon 11)	BRL		µg/kg wet	5.0						
1,2,3-Trichloropropane	BRL		µg/kg wet	5.0						
1,2,4-Trimethylbenzene	BRL		µg/kg wet	5.0						
1,3,5-Trimethylbenzene	BRL		µg/kg wet	5.0						
Vinyl chloride	BRL		µg/kg wet	5.0						
m,p-Xylene	BRL		µg/kg wet	10.0						
o-Xylene	BRL		µg/kg wet	5.0						
Tetrahydrofuran	BRL		µg/kg wet	50.0						
Ethyl ether	BRL		µg/kg wet	5.0						
Tert-amyl methyl ether	BRL		µg/kg wet	5.0						
Ethyl tert-butyl ether	BRL		µg/kg wet	5.0						
Di-isopropyl ether	BRL		µg/kg wet	5.0						
Tert-Butanol / butyl alcohol	BRL		µg/kg wet	50.0						
1,4-Dioxane	BRL		µg/kg wet	100						
trans-1,4-Dichloro-2-butene	BRL		µg/kg wet	25.0						
Ethanol	BRL		µg/kg wet	2000						
Surrogate: 4-Bromofluorobenzene	*44.3*		µg/kg wet		*50.0*		*89*	*70-130*		
Surrogate: Toluene-d8	*44.9*		µg/kg wet		*50.0*		*90*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*60.4*		µg/kg wet		*50.0*		*121*	*70-130*		
Surrogate: Dibromofluoromethane	*49.1*		µg/kg wet		*50.0*		*98*	*70-130*		
LCS (9011071-BS1)										
Prepared & Analyzed: 19-Jan-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	19.4		µg/kg wet		20.0		97	70-130		
Acetone	12.8		µg/kg wet		20.0		64	7.9-168		
Acrylonitrile	19.1		µg/kg wet		20.0		96	70-130		
Benzene	21.1		µg/kg wet		20.0		106	70-130		
Bromobenzene	18.7		µg/kg wet		20.0		93	70-130		
Bromochloromethane	18.0		µg/kg wet		20.0		90	70-130		
Bromodichloromethane	20.1		µg/kg wet		20.0		100	70-130		
Bromoform	21.1		µg/kg wet		20.0		106	70-130		
Bromomethane	18.2		µg/kg wet		20.0		91	50-134		
2-Butanone (MEK)	15.9		µg/kg wet		20.0		79	44.6-130		
n-Butylbenzene	21.7		µg/kg wet		20.0		108	70-130		
sec-Butylbenzene	20.4		µg/kg wet		20.0		102	70-130		
tert-Butylbenzene	20.4		µg/kg wet		20.0		102	70-130		
Carbon disulfide	21.8		µg/kg wet		20.0		109	70-130		
Carbon tetrachloride	20.6		µg/kg wet		20.0		103	70-130		
Chlorobenzene	19.4		µg/kg wet		20.0		97	70-130		
Chloroethane	18.6		µg/kg wet		20.0		93	59.2-130		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9011071 - SW846 5035A Soil (low level)										
LCS (9011071-BS1)										
Prepared & Analyzed: 19-Jan-09										
Chloroform	18.0		µg/kg wet		20.0		90	70-130		
Chloromethane	17.5		µg/kg wet		20.0		87	70-130		
2-Chlorotoluene	20.9		µg/kg wet		20.0		104	70-130		
4-Chlorotoluene	20.6		µg/kg wet		20.0		103	70-130		
1,2-Dibromo-3-chloropropane	22.7		µg/kg wet		20.0		114	70-130		
Dibromochloromethane	19.5		µg/kg wet		20.0		97	63.8-130		
1,2-Dibromoethane (EDB)	18.4		µg/kg wet		20.0		92	70-130		
Dibromomethane	17.5		µg/kg wet		20.0		88	70-130		
1,2-Dichlorobenzene	20.5		µg/kg wet		20.0		102	70-130		
1,3-Dichlorobenzene	19.1		µg/kg wet		20.0		96	70-130		
1,4-Dichlorobenzene	20.2		µg/kg wet		20.0		101	70-130		
Dichlorodifluoromethane (Freon12)	18.1		µg/kg wet		20.0		90	41.8-130		
1,1-Dichloroethane	19.0		µg/kg wet		20.0		95	70-130		
1,2-Dichloroethane	18.5		µg/kg wet		20.0		93	70-130		
1,1-Dichloroethene	21.5		µg/kg wet		20.0		107	70-130		
cis-1,2-Dichloroethene	19.2		µg/kg wet		20.0		96	70-130		
trans-1,2-Dichloroethene	19.6		µg/kg wet		20.0		98	70-130		
1,2-Dichloropropane	20.4		µg/kg wet		20.0		102	70-130		
1,3-Dichloropropane	18.2		µg/kg wet		20.0		91	70-130		
2,2-Dichloropropane	19.3		µg/kg wet		20.0		96	70-130		
1,1-Dichloropropene	20.2		µg/kg wet		20.0		101	70-130		
cis-1,3-Dichloropropene	19.8		µg/kg wet		20.0		99	70-130		
trans-1,3-Dichloropropene	21.4		µg/kg wet		20.0		107	70-130		
Ethylbenzene	20.5		µg/kg wet		20.0		103	70-130		
Hexachlorobutadiene	18.6		µg/kg wet		20.0		93	68.3-130		
2-Hexanone (MBK)	16.6		µg/kg wet		20.0		83	70-130		
Isopropylbenzene	20.1		µg/kg wet		20.0		101	70-130		
4-Isopropyltoluene	20.9		µg/kg wet		20.0		104	70-130		
Methyl tert-butyl ether	20.5		µg/kg wet		20.0		102	70-130		
4-Methyl-2-pentanone (MIBK)	15.7		µg/kg wet		20.0		79	53.1-132		
Methylene chloride	18.9		µg/kg wet		20.0		94	70-130		
Naphthalene	18.7		µg/kg wet		20.0		94	70-130		
n-Propylbenzene	20.4		µg/kg wet		20.0		102	70-130		
Styrene	20.7		µg/kg wet		20.0		104	70-130		
1,1,1,2-Tetrachloroethane	19.6		µg/kg wet		20.0		98	70-130		
1,1,2,2-Tetrachloroethane	19.5		µg/kg wet		20.0		98	70-130		
Tetrachloroethene	17.9		µg/kg wet		20.0		90	70-130		
Toluene	17.4		µg/kg wet		20.0		87	70-130		
1,2,3-Trichlorobenzene	19.3		µg/kg wet		20.0		96	70-130		
1,2,4-Trichlorobenzene	19.3		µg/kg wet		20.0		96	70-130		
1,3,5-Trichlorobenzene	19.4		µg/kg wet		20.0		97	70-130		
1,1,1-Trichloroethane	19.3		µg/kg wet		20.0		97	70-130		
1,1,2-Trichloroethane	18.4		µg/kg wet		20.0		92	70-130		
Trichloroethene	19.8		µg/kg wet		20.0		99	70-130		
Trichlorofluoromethane (Freon 11)	20.2		µg/kg wet		20.0		101	68.2-130		
1,2,3-Trichloropropane	19.8		µg/kg wet		20.0		99	70-130		
1,2,4-Trimethylbenzene	20.6		µg/kg wet		20.0		103	70-130		
1,3,5-Trimethylbenzene	20.6		µg/kg wet		20.0		103	70-130		
Vinyl chloride	20.5		µg/kg wet		20.0		102	70-130		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9011071 - SW846 5035A Soil (low level)										
LCS (9011071-BS1)										
Prepared & Analyzed: 19-Jan-09										
m,p-Xylene	41.8		µg/kg wet		40.0		104	70-130		
o-Xylene	20.4		µg/kg wet		20.0		102	70-130		
Tetrahydrofuran	17.1		µg/kg wet		20.0		85	70-130		
Ethyl ether	20.2		µg/kg wet		20.0		101	70-130		
Tert-amyl methyl ether	17.3		µg/kg wet		20.0		86	70-130		
Ethyl tert-butyl ether	20.8		µg/kg wet		20.0		104	70-130		
Di-isopropyl ether	20.6		µg/kg wet		20.0		103	70-130		
Tert-Butanol / butyl alcohol	214		µg/kg wet		200		107	70-130		
1,4-Dioxane	199		µg/kg wet		200		99	48.7-130		
trans-1,4-Dichloro-2-butene	22.3		µg/kg wet		20.0		111	70-130		
Ethanol	351		µg/kg wet		400		88	70-130		
Surrogate: 4-Bromofluorobenzene	*50.0*		µg/kg wet		*50.0*		*100*	*70-130*		
Surrogate: Toluene-d8	*46.6*		µg/kg wet		*50.0*		*93*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*45.9*		µg/kg wet		*50.0*		*92*	*70-130*		
Surrogate: Dibromofluoromethane	*45.0*		µg/kg wet		*50.0*		*90*	*70-130*		
LCS Dup (9011071-BSD1)										
Prepared & Analyzed: 19-Jan-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	21.1		µg/kg wet		20.0		105	70-130	8	25
Acetone	19.4		µg/kg wet		20.0		97	7.9-168	41	50
Acrylonitrile	17.1		µg/kg wet		20.0		86	70-130	11	25
Benzene	22.1		µg/kg wet		20.0		110	70-130	5	25
Bromobenzene	18.7		µg/kg wet		20.0		94	70-130	0.4	25
Bromochloromethane	17.8		µg/kg wet		20.0		89	70-130	1	25
Bromodichloromethane	20.2		µg/kg wet		20.0		101	70-130	0.4	25
Bromoform	18.0		µg/kg wet		20.0		90	70-130	16	25
Bromomethane	19.3		µg/kg wet		20.0		97	50-134	6	50
2-Butanone (MEK)	13.6		µg/kg wet		20.0		68	44.6-130	16	50
n-Butylbenzene	24.1		µg/kg wet		20.0		121	70-130	11	25
sec-Butylbenzene	22.1		µg/kg wet		20.0		110	70-130	8	25
tert-Butylbenzene	21.6		µg/kg wet		20.0		108	70-130	6	25
Carbon disulfide	24.3		µg/kg wet		20.0		121	70-130	11	25
Carbon tetrachloride	21.2		µg/kg wet		20.0		106	70-130	3	25
Chlorobenzene	20.2		µg/kg wet		20.0		101	70-130	4	25
Chloroethane	19.9		µg/kg wet		20.0		100	59.2-130	7	50
Chloroform	18.9		µg/kg wet		20.0		94	70-130	5	25
Chloromethane	19.4		µg/kg wet		20.0		97	70-130	11	25
2-Chlorotoluene	21.8		µg/kg wet		20.0		109	70-130	4	25
4-Chlorotoluene	21.6		µg/kg wet		20.0		108	70-130	5	25
1,2-Dibromo-3-chloropropane	18.3		µg/kg wet		20.0		91	70-130	22	25
Dibromochloromethane	17.8		µg/kg wet		20.0		89	63.8-130	9	50
1,2-Dibromoethane (EDB)	16.1		µg/kg wet		20.0		81	70-130	13	25
Dibromomethane	16.2		µg/kg wet		20.0		81	70-130	8	25
1,2-Dichlorobenzene	20.4		µg/kg wet		20.0		102	70-130	0.3	25
1,3-Dichlorobenzene	19.6		µg/kg wet		20.0		98	70-130	2	25
1,4-Dichlorobenzene	20.8		µg/kg wet		20.0		104	70-130	3	25
Dichlorodifluoromethane (Freon12)	21.3		µg/kg wet		20.0		107	41.8-130	16	50
1,1-Dichloroethane	19.9		µg/kg wet		20.0		99	70-130	4	25
1,2-Dichloroethane	18.0		µg/kg wet		20.0		90	70-130	3	25
1,1-Dichloroethene	23.3		µg/kg wet		20.0		116	70-130	8	25
cis-1,2-Dichloroethene	19.8		µg/kg wet		20.0		99	70-130	3	25

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9011071 - SW846 5035A Soil (low level)										
LCS Dup (9011071-BSD1)										
Prepared & Analyzed: 19-Jan-09										
trans-1,2-Dichloroethene	21.3		µg/kg wet		20.0		106	70-130	8	25
1,2-Dichloropropane	20.5		µg/kg wet		20.0		102	70-130	0.5	25
1,3-Dichloropropane	17.2		µg/kg wet		20.0		86	70-130	6	25
2,2-Dichloropropane	22.3		µg/kg wet		20.0		111	70-130	14	25
1,1-Dichloropropene	22.4		µg/kg wet		20.0		112	70-130	11	25
cis-1,3-Dichloropropene	19.7		µg/kg wet		20.0		99	70-130	0.2	25
trans-1,3-Dichloropropene	19.4		µg/kg wet		20.0		97	70-130	10	25
Ethylbenzene	22.0		µg/kg wet		20.0		110	70-130	7	25
Hexachlorobutadiene	20.1		µg/kg wet		20.0		101	68.3-130	8	50
2-Hexanone (MBK)	14.1		µg/kg wet		20.0		70	70-130	16	25
Isopropylbenzene	21.6		µg/kg wet		20.0		108	70-130	7	25
4-Isopropyltoluene	23.1		µg/kg wet		20.0		116	70-130	10	25
Methyl tert-butyl ether	18.7		µg/kg wet		20.0		94	70-130	9	25
4-Methyl-2-pentanone (MIBK)	15.4		µg/kg wet		20.0		77	53.1-132	2	50
Methylene chloride	19.6		µg/kg wet		20.0		98	70-130	4	25
Naphthalene	15.8		µg/kg wet		20.0		79	70-130	17	25
n-Propylbenzene	22.1		µg/kg wet		20.0		110	70-130	8	25
Styrene	21.2		µg/kg wet		20.0		106	70-130	2	25
1,1,1,2-Tetrachloroethane	19.2		µg/kg wet		20.0		96	70-130	2	25
1,1,2,2-Tetrachloroethane	17.5		µg/kg wet		20.0		87	70-130	11	25
Tetrachloroethene	19.3		µg/kg wet		20.0		97	70-130	7	25
Toluene	17.9		µg/kg wet		20.0		89	70-130	3	25
1,2,3-Trichlorobenzene	17.7		µg/kg wet		20.0		88	70-130	9	25
1,2,4-Trichlorobenzene	17.9		µg/kg wet		20.0		89	70-130	8	25
1,3,5-Trichlorobenzene	20.5		µg/kg wet		20.0		102	70-130	5	25
1,1,1-Trichloroethane	21.4		µg/kg wet		20.0		107	70-130	10	25
1,1,2-Trichloroethane	17.0		µg/kg wet		20.0		85	70-130	8	25
Trichloroethene	21.1		µg/kg wet		20.0		106	70-130	7	25
Trichlorofluoromethane (Freon 11)	23.0		µg/kg wet		20.0		115	68.2-130	13	50
1,2,3-Trichloropropane	16.5		µg/kg wet		20.0		83	70-130	18	25
1,2,4-Trimethylbenzene	21.2		µg/kg wet		20.0		106	70-130	3	25
1,3,5-Trimethylbenzene	22.0		µg/kg wet		20.0		110	70-130	7	25
Vinyl chloride	22.8		µg/kg wet		20.0		114	70-130	11	25
m,p-Xylene	43.5		µg/kg wet		40.0		109	70-130	4	25
o-Xylene	21.6		µg/kg wet		20.0		108	70-130	5	25
Tetrahydrofuran	13.4	QC1	µg/kg wet		20.0		67	70-130	24	25
Ethyl ether	20.5		µg/kg wet		20.0		102	70-130	1	50
Tert-amyl methyl ether	14.2		µg/kg wet		20.0		71	70-130	19	25
Ethyl tert-butyl ether	19.5		µg/kg wet		20.0		97	70-130	7	25
Di-isopropyl ether	20.6		µg/kg wet		20.0		103	70-130	0.1	25
Tert-Butanol / butyl alcohol	161	QR2	µg/kg wet		200		81	70-130	28	25
1,4-Dioxane	164		µg/kg wet		200		82	48.7-130	19	25
trans-1,4-Dichloro-2-butene	18.9		µg/kg wet		20.0		94	70-130	16	25
Ethanol	343		µg/kg wet		400		86	70-130	2	30
Surrogate: 4-Bromofluorobenzene	*49.4*		µg/kg wet		*50.0*		*99*	*70-130*		
Surrogate: Toluene-d8	*46.6*		µg/kg wet		*50.0*		*93*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*44.3*		µg/kg wet		*50.0*		*89*	*70-130*		
Surrogate: Dibromofluoromethane	*45.0*		µg/kg wet		*50.0*		*90*	*70-130*		

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9011051 - SW846 3550B										
Blank (9011051-BLK1)										
Prepared & Analyzed: 19-Jan-09										
Acenaphthene	BRL		µg/kg wet	330						
Acenaphthylene	BRL		µg/kg wet	330						
Aniline	BRL		µg/kg wet	330						
Anthracene	BRL		µg/kg wet	330						
Atrazine	BRL		µg/kg wet	330						
Azobenzene/Diphenyldiazine	BRL		µg/kg wet	330						
Benzidine	BRL		µg/kg wet	330						
Benzo (a) anthracene	BRL		µg/kg wet	330						
Benzo (a) pyrene	BRL		µg/kg wet	330						
Benzo (b) fluoranthene	BRL		µg/kg wet	330						
Benzo (g,h,i) perylene	BRL		µg/kg wet	330						
Benzo (k) fluoranthene	BRL		µg/kg wet	330						
Benzoic acid	BRL		µg/kg wet	330						
Benzyl alcohol	BRL		µg/kg wet	330						
Bis(2-chloroethoxy)methane	BRL		µg/kg wet	330						
Bis(2-chloroethyl)ether	BRL		µg/kg wet	330						
Bis(2-chloroisopropyl)ether	BRL		µg/kg wet	330						
Bis(2-ethylhexyl)phthalate	BRL		µg/kg wet	330						
4-Bromophenyl phenyl ether	BRL		µg/kg wet	330						
Butyl benzyl phthalate	BRL		µg/kg wet	330						
Carbazole	BRL		µg/kg wet	330						
4-Chloro-3-methylphenol	BRL		µg/kg wet	330						
4-Chloroaniline	BRL		µg/kg wet	330						
2-Chloronaphthalene	BRL		µg/kg wet	330						
2-Chlorophenol	BRL		µg/kg wet	330						
4-Chlorophenyl phenyl ether	BRL		µg/kg wet	330						
Chrysene	BRL		µg/kg wet	330						
Dibenzo (a,h) anthracene	BRL		µg/kg wet	330						
Dibenzofuran	BRL		µg/kg wet	330						
1,2-Dichlorobenzene	BRL		µg/kg wet	330						
1,3-Dichlorobenzene	BRL		µg/kg wet	330						
1,4-Dichlorobenzene	BRL		µg/kg wet	330						
3,3'-Dichlorobenzidine	BRL		µg/kg wet	330						
2,4-Dichlorophenol	BRL		µg/kg wet	330						
Diethyl phthalate	BRL		µg/kg wet	330						
Dimethyl phthalate	BRL		µg/kg wet	330						
2,4-Dimethylphenol	BRL		µg/kg wet	330						
Di-n-butyl phthalate	BRL		µg/kg wet	330						
4,6-Dinitro-2-methylphenol	BRL		µg/kg wet	330						
2,4-Dinitrophenol	BRL		µg/kg wet	330						
2,4-Dinitrotoluene	BRL		µg/kg wet	330						
2,6-Dinitrotoluene	BRL		µg/kg wet	330						
Di-n-octyl phthalate	BRL		µg/kg wet	330						
Fluoranthene	BRL		µg/kg wet	330						
Fluorene	BRL		µg/kg wet	330						
Hexachlorobenzene	BRL		µg/kg wet	330						
Hexachlorobutadiene	BRL		µg/kg wet	330						
Hexachlorocyclopentadiene	BRL		µg/kg wet	330						
Hexachloroethane	BRL		µg/kg wet	330						

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9011051 - SW846 3550B										
Blank (9011051-BLK1)										
Prepared & Analyzed: 19-Jan-09										
Indeno (1,2,3-cd) pyrene	BRL		µg/kg wet	330						
1-Methylnaphthalene	BRL		µg/kg wet	330						
Isophorone	BRL		µg/kg wet	330						
2-Methylnaphthalene	BRL		µg/kg wet	330						
2-Methylphenol	BRL		µg/kg wet	330						
3 & 4-Methylphenol	BRL		µg/kg wet	330						
Naphthalene	BRL		µg/kg wet	330						
2-Nitroaniline	BRL		µg/kg wet	330						
3-Nitroaniline	BRL		µg/kg wet	330						
4-Nitroaniline	BRL		µg/kg wet	1320						
Nitrobenzene	BRL		µg/kg wet	330						
2-Nitrophenol	BRL		µg/kg wet	330						
4-Nitrophenol	BRL		µg/kg wet	1320						
N-Nitrosodimethylamine	BRL		µg/kg wet	330						
N-Nitrosodi-n-propylamine	BRL		µg/kg wet	330						
N-Nitrosodiphenylamine	BRL		µg/kg wet	330						
Pentachlorophenol	BRL		µg/kg wet	330						
Phenanthrene	BRL		µg/kg wet	330						
Phenol	BRL		µg/kg wet	330						
Pyrene	BRL		µg/kg wet	330						
Pyridine	BRL		µg/kg wet	330						
1,2,4-Trichlorobenzene	BRL		µg/kg wet	330						
2,4,5-Trichlorophenol	BRL		µg/kg wet	330						
2,4,6-Trichlorophenol	BRL		µg/kg wet	330						
Pentachloronitrobenzene	BRL		µg/kg wet	330						
1,2,4,5-Tetrachlorobenzene	BRL		µg/kg wet	330						
Surrogate: 2-Fluorobiphenyl	*2470*		µg/kg wet		*3330*		*74*	*30-130*		
Surrogate: 2-Fluorophenol	*2510*		µg/kg wet		*3330*		*75*	*15-110*		
Surrogate: Nitrobenzene-d5	*2530*		µg/kg wet		*3330*		*76*	*30-130*		
Surrogate: Phenol-d5	*2440*		µg/kg wet		*3330*		*73*	*15-110*		
Surrogate: Terphenyl-dl4	*2280*		µg/kg wet		*3330*		*68*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*2530*		µg/kg wet		*3330*		*76*	*15-110*		
LCS (9011051-BS1)										
Prepared & Analyzed: 19-Jan-09										
Acenaphthene	2270		µg/kg wet	330	3330		68	40-130		
Acenaphthylene	2240		µg/kg wet	330	3330		67	40-130		
Aniline	772	QC2	µg/kg wet	330	3330		23	40-130		
Anthracene	2270		µg/kg wet	330	3330		68	40-130		
Atrazine	1790		µg/kg wet	330	3330		54	40-130		
Azobenzene/Diphenyldiazine	2410		µg/kg wet	330	3330		72	40-130		
Benzidine	BRL		µg/kg wet	330	3330			0-130		
Benzo (a) anthracene	2280		µg/kg wet	330	3330		68	40-130		
Benzo (a) pyrene	2350		µg/kg wet	330	3330		70	40-130		
Benzo (b) fluoranthene	2220		µg/kg wet	330	3330		67	40-130		
Benzo (g,h,i) perylene	2520		µg/kg wet	330	3330		76	40-130		
Benzo (k) fluoranthene	2550		µg/kg wet	330	3330		77	40-130		
Benzoic acid	2770		µg/kg wet	330	3330		83	19.5-130		
Benzyl alcohol	2420		µg/kg wet	330	3330		72	40-130		
Bis(2-chloroethoxy)methane	2570		µg/kg wet	330	3330		77	40-130		
Bis(2-chloroethyl)ether	2730		µg/kg wet	330	3330		82	40-130		

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9011051 - SW846 3550B										
LCS (9011051-BS1)										
Prepared & Analyzed: 19-Jan-09										
Bis(2-chloroisopropyl)ether	2490		µg/kg wet	330	3330		75	40-130		
Bis(2-ethylhexyl)phthalate	2730		µg/kg wet	330	3330		82	40-130		
4-Bromophenyl phenyl ether	2550		µg/kg wet	330	3330		77	40-130		
Butyl benzyl phthalate	2770		µg/kg wet	330	3330		83	40-130		
Carbazole	3500		µg/kg wet	330	3330		105	40-130		
4-Chloro-3-methylphenol	2540		µg/kg wet	330	3330		76	40-130		
4-Chloroaniline	1350		µg/kg wet	330	3330		41	40-130		
2-Chloronaphthalene	2200		µg/kg wet	330	3330		66	40-130		
2-Chlorophenol	2340		µg/kg wet	330	3330		70	40-130		
4-Chlorophenyl phenyl ether	2660		µg/kg wet	330	3330		80	40-130		
Chrysene	2350		µg/kg wet	330	3330		70	40-130		
Dibenzo (a,h) anthracene	2510		µg/kg wet	330	3330		75	40-130		
Dibenzofuran	2240		µg/kg wet	330	3330		67	40-130		
1,2-Dichlorobenzene	2210		µg/kg wet	330	3330		66	40-130		
1,3-Dichlorobenzene	2140		µg/kg wet	330	3330		64	40-130		
1,4-Dichlorobenzene	2170		µg/kg wet	330	3330		65	40-130		
3,3'-Dichlorobenzidine	2650		µg/kg wet	330	3330		80	40-130		
2,4-Dichlorophenol	2320		µg/kg wet	330	3330		70	40-130		
Diethyl phthalate	2680		µg/kg wet	330	3330		81	40-130		
Dimethyl phthalate	2620		µg/kg wet	330	3330		79	40-130		
2,4-Dimethylphenol	2210		µg/kg wet	330	3330		66	40-130		
Di-n-butyl phthalate	2770		µg/kg wet	330	3330		83	40-130		
4,6-Dinitro-2-methylphenol	2530		µg/kg wet	330	3330		76	40-130		
2,4-Dinitrophenol	2650		µg/kg wet	330	3330		79	40-130		
2,4-Dinitrotoluene	2400		µg/kg wet	330	3330		72	40-130		
2,6-Dinitrotoluene	2410		µg/kg wet	330	3330		72	40-130		
Di-n-octyl phthalate	2810		µg/kg wet	330	3330		84	40-130		
Fluoranthene	2420		µg/kg wet	330	3330		73	40-130		
Fluorene	2430		µg/kg wet	330	3330		73	40-130		
Hexachlorobenzene	2320		µg/kg wet	330	3330		70	40-130		
Hexachlorobutadiene	2230		µg/kg wet	330	3330		67	40-130		
Hexachlorocyclopentadiene	2110		µg/kg wet	330	3330		63	40-130		
Hexachloroethane	2260		µg/kg wet	330	3330		68	40-130		
Indeno (1,2,3-cd) pyrene	2460		µg/kg wet	330	3330		74	40-130		
1-Methylnaphthalene	2300		µg/kg wet	330	3330		69	40-140		
Isophorone	2180		µg/kg wet	330	3330		65	40-130		
2-Methylnaphthalene	2250		µg/kg wet	330	3330		68	40-130		
2-Methylphenol	2460		µg/kg wet	330	3330		74	40-130		
3 & 4-Methylphenol	2530		µg/kg wet	330	3330		76	40-130		
Naphthalene	2240		µg/kg wet	330	3330		67	40-130		
2-Nitroaniline	2420		µg/kg wet	330	3330		72	40-130		
3-Nitroaniline	2010		µg/kg wet	330	3330		60	40-130		
4-Nitroaniline	2450		µg/kg wet	1320	3330		74	40-130		
Nitrobenzene	2250		µg/kg wet	330	3330		67	40-130		
2-Nitrophenol	2330		µg/kg wet	330	3330		70	40-130		
4-Nitrophenol	3090		µg/kg wet	1320	3330		93	40-130		
N-Nitrosodimethylamine	2050		µg/kg wet	330	3330		62	40-130		
N-Nitrosodi-n-propylamine	2630		µg/kg wet	330	3330		79	40-130		
N-Nitrosodiphenylamine	2800		µg/kg wet	330	3330		84	40-130		

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9011051 - SW846 3550B										
LCS (9011051-BS1)										
Prepared & Analyzed: 19-Jan-09										
Pentachlorophenol	3060		µg/kg wet	330	3330		92	40-130		
Phenanthrene	2440		µg/kg wet	330	3330		73	40-130		
Phenol	2380		µg/kg wet	330	3330		71	40-130		
Pyrene	2290		µg/kg wet	330	3330		69	40-130		
Pyridine	431		µg/kg wet	330	3330		13	0-130		
1,2,4-Trichlorobenzene	2190		µg/kg wet	330	3330		66	40-130		
2,4,5-Trichlorophenol	2470		µg/kg wet	330	3330		74	40-130		
2,4,6-Trichlorophenol	2240		µg/kg wet	330	3330		67	40-130		
Pentachloronitrobenzene	2390		µg/kg wet	330	3330		72	40-140		
1,2,4,5-Tetrachlorobenzene	2050		µg/kg wet	330	3330		62	40-140		
Surrogate: 2-Fluorobiphenyl	*2320*		µg/kg wet		*3330*		*70*	*30-130*		
Surrogate: 2-Fluorophenol	*2190*		µg/kg wet		*3330*		*66*	*15-110*		
Surrogate: Nitrobenzene-d5	*2350*		µg/kg wet		*3330*		*70*	*30-130*		
Surrogate: Phenol-d5	*2140*		µg/kg wet		*3330*		*64*	*15-110*		
Surrogate: Terphenyl-dl4	*2140*		µg/kg wet		*3330*		*64*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*2660*		µg/kg wet		*3330*		*80*	*15-110*		
Duplicate (9011051-DUP1)	**Source: SA89909-04**									
Prepared & Analyzed: 19-Jan-09										
Acenaphthene	BRL		µg/kg dry	182		BRL				50
Acenaphthylene	BRL		µg/kg dry	182		BRL				50
Aniline	BRL		µg/kg dry	182		BRL				50
Anthracene	BRL		µg/kg dry	182		BRL				50
Atrazine	BRL		µg/kg dry	182		BRL				50
Azobenzene/Diphenyldiazine	BRL		µg/kg dry	182		BRL				50
Benzidine	BRL		µg/kg dry	182		BRL				50
Benzo (a) anthracene	BRL		µg/kg dry	182		BRL				50
Benzo (a) pyrene	BRL		µg/kg dry	182		BRL				50
Benzo (b) fluoranthene	BRL		µg/kg dry	182		BRL				50
Benzo (g,h,i) perylene	BRL		µg/kg dry	182		BRL				50
Benzo (k) fluoranthene	BRL		µg/kg dry	182		BRL				50
Benzoic acid	BRL		µg/kg dry	182		BRL				50
Benzyl alcohol	BRL		µg/kg dry	182		BRL				50
Bis(2-chloroethoxy)methane	BRL		µg/kg dry	182		BRL				50
Bis(2-chloroethyl)ether	BRL		µg/kg dry	182		BRL				50
Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	182		BRL				50
Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	182		BRL				50
4-Bromophenyl phenyl ether	BRL		µg/kg dry	182		BRL				50
Butyl benzyl phthalate	BRL		µg/kg dry	182		BRL				50
Carbazole	BRL		µg/kg dry	182		BRL				50
4-Chloro-3-methylphenol	BRL		µg/kg dry	182		BRL				50
4-Chloroaniline	BRL		µg/kg dry	182		BRL				50
2-Chloronaphthalene	BRL		µg/kg dry	182		BRL				50
2-Chlorophenol	BRL		µg/kg dry	182		BRL				50
4-Chlorophenyl phenyl ether	BRL		µg/kg dry	182		BRL				50
Chrysene	BRL		µg/kg dry	182		BRL				50
Dibenzo (a,h) anthracene	BRL		µg/kg dry	182		BRL				50
Dibenzofuran	BRL		µg/kg dry	182		BRL				50
1,2-Dichlorobenzene	BRL		µg/kg dry	182		BRL				50
1,3-Dichlorobenzene	BRL		µg/kg dry	182		BRL				50
1,4-Dichlorobenzene	BRL		µg/kg dry	182		BRL				50

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9011051 - SW846 3550B										
Duplicate (9011051-DUP1)	**Source: SA89909-04**									
Prepared & Analyzed: 19-Jan-09										
3,3'-Dichlorobenzidine	BRL		µg/kg dry	182		BRL				50
2,4-Dichlorophenol	BRL		µg/kg dry	182		BRL				50
Diethyl phthalate	BRL		µg/kg dry	182		BRL				50
Dimethyl phthalate	BRL		µg/kg dry	182		BRL				50
2,4-Dimethylphenol	BRL		µg/kg dry	182		BRL				50
Di-n-butyl phthalate	BRL		µg/kg dry	182		BRL				50
4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	182		BRL				50
2,4-Dinitrophenol	BRL		µg/kg dry	182		BRL				50
2,4-Dinitrotoluene	BRL		µg/kg dry	182		BRL				50
2,6-Dinitrotoluene	BRL		µg/kg dry	182		BRL				50
Di-n-octyl phthalate	BRL		µg/kg dry	182		BRL				50
Fluoranthene	BRL		µg/kg dry	182		BRL				50
Fluorene	BRL		µg/kg dry	182		BRL				50
Hexachlorobenzene	BRL		µg/kg dry	182		BRL				50
Hexachlorobutadiene	BRL		µg/kg dry	182		BRL				50
Hexachlorocyclopentadiene	BRL		µg/kg dry	182		BRL				50
Hexachloroethane	BRL		µg/kg dry	182		BRL				50
Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	182		BRL				50
1-Methylnaphthalene	BRL		µg/kg dry	182		BRL				50
Isophorone	BRL		µg/kg dry	182		BRL				50
2-Methylnaphthalene	BRL		µg/kg dry	182		BRL				50
2-Methylphenol	BRL		µg/kg dry	182		BRL				50
3 & 4-Methylphenol	BRL		µg/kg dry	182		BRL				50
Naphthalene	BRL		µg/kg dry	182		BRL				50
2-Nitroaniline	BRL		µg/kg dry	182		BRL				50
3-Nitroaniline	BRL		µg/kg dry	182		BRL				50
4-Nitroaniline	BRL		µg/kg dry	727		BRL				50
Nitrobenzene	BRL		µg/kg dry	182		BRL				50
2-Nitrophenol	BRL		µg/kg dry	182		BRL				50
4-Nitrophenol	BRL		µg/kg dry	727		BRL				50
N-Nitrosodimethylamine	BRL		µg/kg dry	182		BRL				50
N-Nitrosodi-n-propylamine	BRL		µg/kg dry	182		BRL				50
N-Nitrosodiphenylamine	BRL		µg/kg dry	182		BRL				50
Pentachlorophenol	BRL		µg/kg dry	182		BRL				50
Phenanthrene	BRL		µg/kg dry	182		BRL				50
Phenol	BRL		µg/kg dry	182		BRL				50
Pyrene	BRL		µg/kg dry	182		BRL				50
Pyridine	BRL		µg/kg dry	182		BRL				50
1,2,4-Trichlorobenzene	BRL		µg/kg dry	182		BRL				50
2,4,5-Trichlorophenol	BRL		µg/kg dry	182		BRL				50
2,4,6-Trichlorophenol	BRL		µg/kg dry	182		BRL				50
Pentachloronitrobenzene	BRL		µg/kg dry	182		BRL				50
1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	182		BRL				50
Surrogate: 2-Fluorobiphenyl	*1140*		µg/kg dry		*1840*		*62*	*30-130*		
Surrogate: 2-Fluorophenol	*1090*		µg/kg dry		*1840*		*60*	*15-110*		
Surrogate: Nitrobenzene-d5	*1070*		µg/kg dry		*1840*		*58*	*30-130*		
Surrogate: Phenol-d5	*1080*		µg/kg dry		*1840*		*59*	*15-110*		
Surrogate: Terphenyl-d14	*1100*		µg/kg dry		*1840*		*60*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*1220*		µg/kg dry		*1840*		*66*	*15-110*		

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9011051 - SW846 3550B										
Matrix Spike (9011051-MS1)	**Source: SA89909-04**									
Prepared & Analyzed: 19-Jan-09										
Acenaphthene	1050		µg/kg dry	184	1850	BRL	56	40-140		
Benzo (b) fluoranthene	1180		µg/kg dry	184	1850	BRL	64	40-140		
Benzo (k) fluoranthene	1140		µg/kg dry	184	1850	BRL	61	40-140		
4-Chloro-3-methylphenol	1040		µg/kg dry	184	1850	BRL	56	30-130		
2-Chlorophenol	984		µg/kg dry	184	1850	BRL	53	30-130		
Chrysene	1160		µg/kg dry	184	1850	BRL	63	40-140		
1,4-Dichlorobenzene	930		µg/kg dry	184	1850	BRL	50	40-140		
Indeno (1,2,3-cd) pyrene	1140		µg/kg dry	184	1850	BRL	61	40-140		
Naphthalene	951		µg/kg dry	184	1850	BRL	51	40-140		
4-Nitrophenol	1770		µg/kg dry	735	1850	BRL	96	30-130		
N-Nitrosodi-n-propylamine	1150		µg/kg dry	184	1850	BRL	62	40-140		
Pentachlorophenol	1300		µg/kg dry	184	1850	BRL	70	30-130		
Phenol	1040		µg/kg dry	184	1850	BRL	56	30-130		
Pyrene	1150		µg/kg dry	184	1850	BRL	62	40-140		
1,2,4-Trichlorobenzene	924		µg/kg dry	184	1850	BRL	50	40-140		
Surrogate: 2-Fluorobiphenyl	*996*		µg/kg dry		*1850*		*54*	*30-130*		
Surrogate: 2-Fluorophenol	*901*		µg/kg dry		*1850*		*49*	*15-110*		
Surrogate: Nitrobenzene-d5	*970*		µg/kg dry		*1850*		*52*	*30-130*		
Surrogate: Phenol-d5	*887*		µg/kg dry		*1850*		*48*	*15-110*		
Surrogate: Terphenyl-dl4	*1060*		µg/kg dry		*1850*		*57*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*1180*		µg/kg dry		*1850*		*63*	*15-110*		
Matrix Spike Dup (9011051-MSD1)	**Source: SA89909-04**									
Prepared & Analyzed: 19-Jan-09										
Acenaphthene	1250		µg/kg dry	181	1830	BRL	68	40-140	19	30
Benzo (b) fluoranthene	1160		µg/kg dry	181	1830	BRL	63	40-140	0.8	30
Benzo (k) fluoranthene	1450		µg/kg dry	181	1830	BRL	79	40-140	25	30
4-Chloro-3-methylphenol	1290		µg/kg dry	181	1830	BRL	70	30-130	23	30
2-Chlorophenol	1160		µg/kg dry	181	1830	BRL	63	30-130	18	30
Chrysene	1280		µg/kg dry	181	1830	BRL	70	40-140	11	30
1,4-Dichlorobenzene	1070		µg/kg dry	181	1830	BRL	58	40-140	15	30
Indeno (1,2,3-cd) pyrene	1280		µg/kg dry	181	1830	BRL	70	40-140	13	30
Naphthalene	1140		µg/kg dry	181	1830	BRL	62	40-140	19	30
4-Nitrophenol	2220		µg/kg dry	726	1830	BRL	121	30-130	24	30
N-Nitrosodi-n-propylamine	1380		µg/kg dry	181	1830	BRL	75	40-140	19	30
Pentachlorophenol	1530		µg/kg dry	181	1830	BRL	83	30-130	17	30
Phenol	1230		µg/kg dry	181	1830	BRL	67	30-130	18	30
Pyrene	1320		µg/kg dry	181	1830	BRL	72	40-140	15	30
1,2,4-Trichlorobenzene	1090		µg/kg dry	181	1830	BRL	60	40-140	18	30
Surrogate: 2-Fluorobiphenyl	*1160*		µg/kg dry		*1830*		*63*	*30-130*		
Surrogate: 2-Fluorophenol	*975*		µg/kg dry		*1830*		*53*	*15-110*		
Surrogate: Nitrobenzene-d5	*1120*		µg/kg dry		*1830*		*61*	*30-130*		
Surrogate: Phenol-d5	*991*		µg/kg dry		*1830*		*54*	*15-110*		
Surrogate: Terphenyl-dl4	*1160*		µg/kg dry		*1830*		*63*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*1290*		µg/kg dry		*1830*		*70*	*15-110*		

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9011137 - SW846 3550B										
Blank (9011137-BLK1)										
Prepared: 20-Jan-09 Analyzed: 21-Jan-09										
PCB 1016	BRL		µg/kg wet	20.0						
PCB 1221	BRL		µg/kg wet	20.0						
PCB 1232	BRL		µg/kg wet	20.0						
PCB 1242	BRL		µg/kg wet	20.0						
PCB 1248	BRL		µg/kg wet	20.0						
PCB 1254	BRL		µg/kg wet	20.0						
PCB 1260	BRL		µg/kg wet	20.0						
PCB 1262	BRL		µg/kg wet	20.0						
PCB 1268	BRL		µg/kg wet	20.0						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*16.7*		µg/kg wet		*20.0*		*84*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*10.2*		µg/kg wet		*20.0*		*51*	*30-150*		
LCS (9011137-BS1)										
Prepared: 20-Jan-09 Analyzed: 21-Jan-09										
PCB 1016	230		µg/kg wet	20.0	250		92	40-140		
PCB 1260	220		µg/kg wet	20.0	250		88	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*16.6*		µg/kg wet		*20.0*		*83*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*10.1*		µg/kg wet		*20.0*		*50*	*30-150*		
LCS Dup (9011137-BSD1)										
Prepared: 20-Jan-09 Analyzed: 21-Jan-09										
PCB 1016	230		µg/kg wet	20.0	250		92	40-140	0.3	30
PCB 1260	232		µg/kg wet	20.0	250		93	40-140	5	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*16.6*		µg/kg wet		*20.0*		*83*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*10.4*		µg/kg wet		*20.0*		*52*	*30-150*		
Duplicate (9011137-DUP1) **Source: SA89879-17**										
Prepared: 20-Jan-09 Analyzed: 21-Jan-09										
PCB 1016	BRL		µg/kg dry	21.7		BRL				40
PCB 1221	BRL		µg/kg dry	21.7		BRL				40
PCB 1232	BRL		µg/kg dry	21.7		BRL				40
PCB 1242	BRL		µg/kg dry	21.7		BRL				40
PCB 1248	BRL		µg/kg dry	21.7		BRL				40
PCB 1254	BRL		µg/kg dry	21.7		BRL				40
PCB 1260	BRL		µg/kg dry	21.7		BRL				40
PCB 1262	BRL		µg/kg dry	21.7		BRL				40
PCB 1268	BRL		µg/kg dry	21.7		BRL				40
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*19.0*		µg/kg dry		*21.7*		*87*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*13.4*		µg/kg dry		*21.7*		*62*	*30-150*		
Matrix Spike (9011137-MS1) **Source: SA89879-17**										
Prepared: 20-Jan-09 Analyzed: 21-Jan-09										
PCB 1016	241		µg/kg dry	20.5	256	BRL	94	40-140		
PCB 1260	235		µg/kg dry	20.5	256	BRL	92	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*18.3*		µg/kg dry		*20.5*		*89*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*11.7*		µg/kg dry		*20.5*		*57*	*30-150*		
Matrix Spike Dup (9011137-MSD1) **Source: SA89879-17**										
Prepared: 20-Jan-09 Analyzed: 21-Jan-09										
PCB 1016	252		µg/kg dry	21.0	262	BRL	96	40-140	2	50
PCB 1260	245		µg/kg dry	21.0	262	BRL	93	40-140	2	50
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*19.2*		µg/kg dry		*21.0*		*91*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*11.7*		µg/kg dry		*21.0*		*56*	*30-150*		
Batch 9011138 - SW846 3550B										

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9011138 - SW846 3550B										
Blank (9011138-BLK1)										
Prepared: 20-Jan-09 Analyzed: 21-Jan-09										
2,4,5-T	BRL		µg/kg wet	6.70						
2,4,5-T [2C]	BRL		µg/kg wet	6.70						
2,4,5-TP (Silvex)	BRL		µg/kg wet	6.70						
2,4,5-TP (Silvex) [2C]	BRL		µg/kg wet	6.70						
2,4-D	BRL		µg/kg wet	6.70						
2,4-D [2C]	BRL		µg/kg wet	6.70						
2,4-DB	BRL		µg/kg wet	6.70						
2,4-DB [2C]	BRL		µg/kg wet	6.70						
Dalapon	BRL		µg/kg wet	6.70						
Dalapon [2C]	BRL		µg/kg wet	6.70						
Dicamba	BRL		µg/kg wet	6.70						
Dicamba [2C]	BRL		µg/kg wet	6.70						
Dichlorprop	BRL		µg/kg wet	6.70						
Dichlorprop [2C]	BRL		µg/kg wet	6.70						
Dinoseb	BRL		µg/kg wet	6.70						
Dinoseb [2C]	BRL		µg/kg wet	6.70						
MCPA	BRL		µg/kg wet	670						
MCPA [2C]	BRL		µg/kg wet	670						
MCPB	BRL		µg/kg wet	670						
MCPB [2C]	BRL		µg/kg wet	670						
MCPP	BRL		µg/kg wet	670						
MCPP [2C]	BRL		µg/kg wet	670						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*14.2*		µg/kg wet		*13.3*		*106*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [	*13.5*		µg/kg wet		*13.3*		*101*	*30-150*		
LCS (9011138-BS1)										
Prepared: 20-Jan-09 Analyzed: 21-Jan-09										
2,4,5-T	25.7		µg/kg wet	6.70	33.3		77	40-140		
2,4,5-T [2C]	30.4		µg/kg wet	6.70	33.3		91	40-140		
2,4,5-TP (Silvex)	26.1		µg/kg wet	6.70	33.3		78	40-140		
2,4,5-TP (Silvex) [2C]	30.3		µg/kg wet	6.70	33.3		91	40-140		
2,4-D	26.7		µg/kg wet	6.70	33.3		80	40-140		
2,4-D [2C]	25.9		µg/kg wet	6.70	33.3		78	40-140		
2,4-DB	27.9		µg/kg wet	6.70	33.3		84	40-140		
2,4-DB [2C]	27.7		µg/kg wet	6.70	33.3		83	40-140		
Dalapon	22.8		µg/kg wet	6.70	33.3		68	40-140		
Dalapon [2C]	21.3		µg/kg wet	6.70	33.3		64	40-140		
Dicamba	27.0		µg/kg wet	6.70	33.3		81	40-140		
Dicamba [2C]	26.8		µg/kg wet	6.70	33.3		80	40-140		
Dichlorprop	28.7		µg/kg wet	6.70	33.3		86	40-140		
Dichlorprop [2C]	30.2		µg/kg wet	6.70	33.3		91	40-140		
Dinoseb	27.7		µg/kg wet	6.70	33.3		83	40-140		
Dinoseb [2C]	28.5		µg/kg wet	6.70	33.3		86	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*13.3*		µg/kg wet		*13.3*		*100*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [	*14.3*		µg/kg wet		*13.3*		*107*	*30-150*		
LCS (9011138-BS2)										
Prepared: 20-Jan-09 Analyzed: 21-Jan-09										
MCPA	11100		µg/kg wet	670	10000		111	40-140		
MCPA [2C]	11900		µg/kg wet	670	10000		119	40-140		
MCPB	11500		µg/kg wet	670	10000		115	40-140		

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9011138 - SW846 3550B										
LCS (9011138-BS2)										
Prepared: 20-Jan-09 Analyzed: 21-Jan-09										
MCPB [2C]	11000		µg/kg wet	670	10000		110	40-140		
MCPP	10300		µg/kg wet	670	10000		103	40-140		
MCPP [2C]	12300		µg/kg wet	670	10000		123	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*14.7*		µg/kg wet		*13.3*		*110*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [:	*15.9*		µg/kg wet		*13.3*		*119*	*30-150*		
LCS Dup (9011138-BSD1)										
Prepared: 20-Jan-09 Analyzed: 21-Jan-09										
2,4,5-T	25.5		µg/kg wet	6.70	33.3		77	40-140	0.5	25
2,4,5-T [2C]	28.1		µg/kg wet	6.70	33.3		84	40-140	8	25
2,4,5-TP (Silvex)	26.4		µg/kg wet	6.70	33.3		79	40-140	1	25
2,4,5-TP (Silvex) [2C]	28.1		µg/kg wet	6.70	33.3		84	40-140	7	25
2,4-D	23.7		µg/kg wet	6.70	33.3		71	40-140	12	25
2,4-D [2C]	24.4		µg/kg wet	6.70	33.3		73	40-140	6	25
2,4-DB	27.3		µg/kg wet	6.70	33.3		82	40-140	2	25
2,4-DB [2C]	29.5		µg/kg wet	6.70	33.3		89	40-140	7	25
Dalapon	19.7		µg/kg wet	6.70	33.3		59	40-140	14	25
Dalapon [2C]	20.6		µg/kg wet	6.70	33.3		62	40-140	3	25
Dicamba	26.9		µg/kg wet	6.70	33.3		81	40-140	0.2	25
Dicamba [2C]	24.9		µg/kg wet	6.70	33.3		75	40-140	7	25
Dichlorprop	27.7		µg/kg wet	6.70	33.3		83	40-140	4	25
Dichlorprop [2C]	27.7		µg/kg wet	6.70	33.3		83	40-140	9	25
Dinoseb	27.7		µg/kg wet	6.70	33.3		83	40-140	0.2	25
Dinoseb [2C]	27.6		µg/kg wet	6.70	33.3		83	40-140	3	25
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*13.4*		µg/kg wet		*13.3*		*100*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [:	*13.2*		µg/kg wet		*13.3*		*99*	*30-150*		
LCS Dup (9011138-BSD2)										
Prepared: 20-Jan-09 Analyzed: 21-Jan-09										
MCPA	11400		µg/kg wet	670	10000		114	40-140	2	25
MCPA [2C]	12600		µg/kg wet	670	10000		126	40-140	5	25
MCPB	11800		µg/kg wet	670	10000		118	40-140	3	25
MCPB [2C]	10700		µg/kg wet	670	10000		107	40-140	2	25
MCPP	10700		µg/kg wet	670	10000		107	40-140	3	25
MCPP [2C]	10200		µg/kg wet	670	10000		102	40-140	18	25
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*14.8*		µg/kg wet		*13.3*		*111*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [:	*14.3*		µg/kg wet		*13.3*		*108*	*30-150*		
Duplicate (9011138-DUP1) **Source: SA89909-04**										
Prepared: 20-Jan-09 Analyzed: 21-Jan-09										
2,4,5-T	BRL		µg/kg dry	6.70		BRL				30
2,4,5-T [2C]	BRL		µg/kg dry	6.70		BRL				30
2,4,5-TP (Silvex)	BRL		µg/kg dry	6.70		BRL				30
2,4,5-TP (Silvex) [2C]	BRL		µg/kg dry	6.70		BRL				30
2,4-D	BRL		µg/kg dry	6.70		BRL				30
2,4-D [2C]	BRL		µg/kg dry	6.70		BRL				30
2,4-DB	BRL		µg/kg dry	6.70		BRL				30
2,4-DB [2C]	BRL		µg/kg dry	6.70		BRL				30
Dalapon	BRL		µg/kg dry	6.70		BRL				30
Dalapon [2C]	BRL		µg/kg dry	6.70		BRL				30
Dicamba	BRL		µg/kg dry	6.70		BRL				30
Dicamba [2C]	BRL		µg/kg dry	6.70		BRL				30

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9011138 - SW846 3550B										
Duplicate (9011138-DUP1) **Source: SA89909-04**										
Prepared: 20-Jan-09 Analyzed: 21-Jan-09										
Dichlorprop	BRL		µg/kg dry	6.70		BRL				30
Dichlorprop [2C]	BRL		µg/kg dry	6.70		BRL				30
Dinoseb	BRL		µg/kg dry	6.70		BRL				30
Dinoseb [2C]	BRL		µg/kg dry	6.70		BRL				30
MCPA	BRL		µg/kg dry	670		BRL				30
MCPA [2C]	BRL		µg/kg dry	670		BRL				30
MCPB	BRL		µg/kg dry	670		BRL				30
MCPB [2C]	BRL		µg/kg dry	670		BRL				30
MCPP	BRL		µg/kg dry	670		BRL				30
MCPP [2C]	BRL		µg/kg dry	670		BRL				30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*8.00*		µg/kg dry		*14.7*		*54*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [:	*7.56*		µg/kg dry		*14.7*		*51*	*30-150*		

Extractable Petroleum Hydrocarbons - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9011052 - SW846 3550B										
Blank (9011052-BLK1)										
Prepared: 19-Jan-09 Analyzed: 21-Jan-09										
Gasoline	BRL		mg/kg wet	13.3						
Fuel Oil #2	BRL		mg/kg wet	13.3						
Fuel Oil #4	BRL		mg/kg wet	13.3						
Fuel Oil #6	BRL		mg/kg wet	13.3						
Motor Oil	BRL		mg/kg wet	13.3						
Aviation Fuel	BRL		mg/kg wet	13.3						
Unidentified	BRL		mg/kg wet	13.3						
Other Oil	BRL		mg/kg wet	13.3						
Total Petroleum Hydrocarbons	BRL		mg/kg wet	13.3						
C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg wet	13.3						
Surrogate: 1-Chlorooctadecane	*2.83*		mg/kg wet		*3.33*		*85*	*50-150*		
LCS (9011052-BS1)										
Prepared: 19-Jan-09 Analyzed: 21-Jan-09										
C9-C36 Aliphatic Hydrocarbons	75.6		mg/kg wet	13.3	93.3		81	60-120		
Surrogate: 1-Chlorooctadecane	*2.86*		mg/kg wet		*3.33*		*86*	*50-150*		
Duplicate (9011052-DUP1) **Source: SA89911-22**										
Prepared: 19-Jan-09 Analyzed: 21-Jan-09										
Gasoline	BRL		mg/kg dry	29.2		BRL				50
Fuel Oil #2	BRL		mg/kg dry	29.2		BRL				50
Fuel Oil #4	BRL		mg/kg dry	29.2		BRL				50
Fuel Oil #6	BRL		mg/kg dry	29.2		BRL				50
Motor Oil	BRL		mg/kg dry	29.2		BRL				50
Aviation Fuel	BRL		mg/kg dry	29.2		BRL				50
Unidentified	42.1		mg/kg dry	29.2		65.9			44	50
Other Oil	Calculated as		mg/kg dry	29.2		BRL				50
Total Petroleum Hydrocarbons	42.1		mg/kg dry	29.2		65.9			44	50
C9-C36 Aliphatic Hydrocarbons	42.1		mg/kg dry	29.2		65.9			44	50
Surrogate: 1-Chlorooctadecane	*3.41*		mg/kg dry		*3.65*		*93*	*50-150*		
Matrix Spike (9011052-MS1) **Source: SA89911-22**										
Prepared: 19-Jan-09 Analyzed: 21-Jan-09										
C9-C36 Aliphatic Hydrocarbons	92.7	QM2	mg/kg dry	14.0	98.0	65.9	27	50-150		
Surrogate: 1-Chlorooctadecane	*2.87*		mg/kg dry		*3.50*		*82*	*50-150*		
Matrix Spike Dup (9011052-MSD1) **Source: SA89911-22**										
Prepared: 19-Jan-09 Analyzed: 21-Jan-09										
C9-C36 Aliphatic Hydrocarbons	97.1	QM2	mg/kg dry	14.2	99.9	65.9	31	50-150	13	30
Surrogate: 1-Chlorooctadecane	*2.65*		mg/kg dry		*3.57*		*74*	*50-150*		

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

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010943 - SW846 3050B										
Blank (9010943-BLK1)										
Prepared: 16-Jan-09 Analyzed: 20-Jan-09										
Selenium	BRL		mg/kg wet	1.44						
Lead	BRL		mg/kg wet	1.44						
Cadmium	BRL		mg/kg wet	0.481						
Arsenic	BRL		mg/kg wet	1.44						
Chromium	BRL		mg/kg wet	0.962						
Silver	BRL		mg/kg wet	1.44						
Barium	BRL		mg/kg wet	0.962						
Duplicate (9010943-DUP1) **Source: SA89870-01**										
Prepared: 16-Jan-09 Analyzed: 20-Jan-09										
Selenium	3.14		mg/kg dry	1.45		3.05			3	20
Lead	11.1		mg/kg dry	1.45		11.4			2	20
Silver	BRL		mg/kg dry	1.45		BRL				20
Cadmium	0.562		mg/kg dry	0.484		0.512			9	20
Chromium	11.5		mg/kg dry	0.968		11.1			4	20
Arsenic	5.25		mg/kg dry	1.45		6.45			20	20
Barium	24.1		mg/kg dry	0.968		21.4			12	20
Matrix Spike (9010943-MS1) **Source: SA89892-04**										
Prepared: 16-Jan-09 Analyzed: 20-Jan-09										
Selenium	108		mg/kg dry	1.47	122	1.83	87	75-125		
Lead	111		mg/kg dry	1.47	122	5.79	86	75-125		
Silver	97.7		mg/kg dry	1.47	122	BRL	80	75-125		
Arsenic	114		mg/kg dry	1.47	122	8.05	87	75-125		
Chromium	128		mg/kg dry	0.980	122	14.8	92	75-125		
Cadmium	108		mg/kg dry	0.490	122	0.376	88	75-125		
Barium	158		mg/kg dry	0.980	122	36.5	99	75-125		
Matrix Spike Dup (9010943-MSD1) **Source: SA89892-04**										
Prepared: 16-Jan-09 Analyzed: 20-Jan-09										
Lead	106		mg/kg dry	1.39	115	5.79	87	75-125	5	20
Selenium	104		mg/kg dry	1.39	115	1.83	89	75-125	4	20
Cadmium	104		mg/kg dry	0.462	115	0.376	90	75-125	4	20
Arsenic	110		mg/kg dry	1.39	115	8.05	88	75-125	4	20
Silver	94.3		mg/kg dry	1.39	115	BRL	82	75-125	4	20
Chromium	122		mg/kg dry	0.923	115	14.8	93	75-125	4	20
Barium	153		mg/kg dry	0.923	115	36.5	101	75-125	3	20
Post Spike (9010943-PS1) **Source: SA89892-04**										
Prepared: 16-Jan-09 Analyzed: 20-Jan-09										
Lead	124		mg/kg dry	1.59	133	5.79	89	80-120		
Selenium	121		mg/kg dry	1.59	133	1.83	90	80-120		
Chromium	137		mg/kg dry	1.06	133	14.8	92	80-120		
Silver	117		mg/kg dry	1.59	133	BRL	89	80-120		
Arsenic	127		mg/kg dry	1.59	133	8.05	90	80-120		
Cadmium	122		mg/kg dry	0.530	133	0.376	92	80-120		
Barium	153		mg/kg dry	1.06	133	36.5	88	80-120		
Reference (9010943-SRM1)										
Prepared: 16-Jan-09 Analyzed: 20-Jan-09										
Selenium	145		mg/kg wet	1.50	144		101	76.6-123.1		
Lead	49.1		mg/kg wet	1.50	43.2		114	78.8-120.9		

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

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010943 - SW846 3050B										
Reference (9010943-SRM1)										
Prepared: 16-Jan-09 Analyzed: 20-Jan-09										
Chromium	119		mg/kg wet	1.00	119		100	79.7-120.3		
Cadmium	30.2		mg/kg wet	0.500	30.5		99	80.9-119.3		
Silver	14.4		mg/kg wet	1.50	15.1		95	66.4-133.6		
Arsenic	51.2		mg/kg wet	1.50	52.2		98	77.6-123.1		
Barium	105		mg/kg wet	1.00	99.5		105	79.8-119.7		
Reference (9010943-SRM2)										
Prepared: 16-Jan-09 Analyzed: 20-Jan-09										
Lead	44.8		mg/kg wet	1.50	43.5		103	78.8-120.9		
Selenium	152		mg/kg wet	1.50	145		105	76.6-123.1		
Silver	15.3		mg/kg wet	1.50	15.2		100	66.4-133.6		
Arsenic	53.4		mg/kg wet	1.50	52.6		102	77.6-123.1		
Chromium	125		mg/kg wet	1.00	119		104	79.7-120.3		
Cadmium	31.3		mg/kg wet	0.500	30.7		102	80.9-119.3		
Barium	109		mg/kg wet	1.00	100		109	79.8-119.7		
Batch 9010944 - EPA200/SW7000 Series										
Blank (9010944-BLK1)										
Prepared: 16-Jan-09 Analyzed: 21-Jan-09										
Mercury	BRL		mg/kg wet	0.0261						
Duplicate (9010944-DUP1) **Source: SA89870-01**										
Prepared: 16-Jan-09 Analyzed: 21-Jan-09										
Mercury	0.0145	J	mg/kg dry	0.0324		BRL				20
Matrix Spike (9010944-MS1) **Source: SA89892-04**										
Prepared: 16-Jan-09 Analyzed: 21-Jan-09										
Mercury	0.537	QM7	mg/kg dry	0.0291	0.404	BRL	133	75-125		
Matrix Spike Dup (9010944-MSD1) **Source: SA89892-04**										
Prepared: 16-Jan-09 Analyzed: 21-Jan-09										
Mercury	0.507		mg/kg dry	0.0299	0.415	BRL	122	75-125	6	20
Reference (9010944-SRM1)										
Prepared: 16-Jan-09 Analyzed: 21-Jan-09										
Mercury	2.42		mg/kg wet	0.0300	2.17		111	71.7-128.8		

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

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9020245 - SW846 3010A										
Blank (9020245-BLK1)										
Prepared & Analyzed: 05-Feb-09										
Lead	BRL		mg/l	0.0150						
LCS (9020245-BS1)										
Prepared & Analyzed: 05-Feb-09										
Lead	2.38		mg/l	0.0150	2.50		95	85-115		
LCS Dup (9020245-BSD1)										
Prepared & Analyzed: 05-Feb-09										
Lead	2.33		mg/l	0.0150	2.50		93	85-115	2	20
Duplicate (9020245-DUP1)	**Source: SA90516-02**									
Prepared & Analyzed: 05-Feb-09										
Lead	0.662		mg/l	0.0150		0.666			0.6	20
Matrix Spike (9020245-MS1)	**Source: SA90516-01**									
Prepared & Analyzed: 05-Feb-09										
Lead	5.65		mg/l	0.0150	2.50	3.31	94	75-125		
Matrix Spike Dup (9020245-MSD1)	**Source: SA90516-01**									
Prepared & Analyzed: 05-Feb-09										
Lead	5.67		mg/l	0.0150	2.50	3.31	95	75-125	0.4	20
Post Spike (9020245-PS1)	**Source: SA90516-01**									
Prepared & Analyzed: 05-Feb-09										
Lead	5.65		mg/l	0.0150	2.50	3.31	94	75-125		
Batch 9020466 - SW846 3010A										
Blank (9020466-BLK1)										
Prepared: 06-Feb-09 Analyzed: 07-Feb-09										
Lead	BRL		mg/l	0.0150						
LCS (9020466-BS1)										
Prepared: 06-Feb-09 Analyzed: 07-Feb-09										
Lead	2.24		mg/l	0.0150	2.50		90	85-115		
LCS Dup (9020466-BSD1)										
Prepared: 06-Feb-09 Analyzed: 07-Feb-09										
Lead	2.21		mg/l	0.0150	2.50		88	85-115	1	20
Duplicate (9020466-DUP1)	**Source: SA90607-03**									
Prepared: 06-Feb-09 Analyzed: 07-Feb-09										
Lead	0.0183		mg/l	0.0150		0.0192			5	20
Matrix Spike (9020466-MS1)	**Source: SA90653-01**									
Prepared: 06-Feb-09 Analyzed: 07-Feb-09										
Lead	2.19		mg/l	0.0150	2.50	0.0179	87	75-125		
Matrix Spike Dup (9020466-MSD1)	**Source: SA90653-01**									
Prepared: 06-Feb-09 Analyzed: 07-Feb-09										
Lead	2.21		mg/l	0.0150	2.50	0.0179	88	75-125	1	20
Post Spike (9020466-PS1)	**Source: SA90653-01**									
Prepared: 06-Feb-09 Analyzed: 07-Feb-09										
Lead	2.19		mg/l	0.0150	2.50	0.0179	87	75-125		

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

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9011874 - SW846 3010A										
Blank (9011874-BLK1)										
Prepared: 29-Jan-09 Analyzed: 30-Jan-09										
Lead	BRL		mg/l	0.0075						
Arsenic	BRL		mg/l	0.0040						
Chromium	BRL		mg/l	0.0050						
Cadmium	BRL		mg/l	0.0025						
Barium	BRL		mg/l	0.0050						
LCS (9011874-BS1)										
Prepared: 29-Jan-09 Analyzed: 30-Jan-09										
Lead	1.23		mg/l	0.0075	1.25		98	85-115		
Chromium	1.24		mg/l	0.0050	1.25		99	85-115		
Arsenic	1.30		mg/l	0.0040	1.25		104	85-115		
Cadmium	1.31		mg/l	0.0025	1.25		105	85-115		
Barium	1.27		mg/l	0.0050	1.25		101	85-115		
LCS Dup (9011874-BSD1)										
Prepared: 29-Jan-09 Analyzed: 30-Jan-09										
Lead	1.22		mg/l	0.0075	1.25		98	85-115	0.8	20
Chromium	1.22		mg/l	0.0050	1.25		98	85-115	1	20
Arsenic	1.29		mg/l	0.0040	1.25		103	85-115	0.6	20
Cadmium	1.30		mg/l	0.0025	1.25		104	85-115	0.9	20
Barium	1.27		mg/l	0.0050	1.25		101	85-115	0	20
Duplicate (9011874-DUP1) **Source: SA89909-01**										
Prepared: 29-Jan-09 Analyzed: 30-Jan-09										
Lead	BRL		mg/l	0.0075		BRL				20
Cadmium	BRL		mg/l	0.0025		0.0002				20
Arsenic	BRL		mg/l	0.0040		BRL				20
Chromium	0.0037	J	mg/l	0.0050		BRL				20
Barium	0.0424	QR6	mg/l	0.0050		0.164			118	20
Matrix Spike (9011874-MS1) **Source: SA89553-04**										
Prepared: 29-Jan-09 Analyzed: 30-Jan-09										
Lead	1.22		mg/l	0.0075	1.25	BRL	98	75-125		
Chromium	1.25		mg/l	0.0050	1.25	0.0043	100	75-125		
Arsenic	1.30		mg/l	0.0040	1.25	BRL	104	75-125		
Cadmium	1.28		mg/l	0.0025	1.25	BRL	102	75-125		
Barium	1.36		mg/l	0.0050	1.25	0.0562	104	75-125		
Matrix Spike Dup (9011874-MSD1) **Source: SA89553-04**										
Prepared: 29-Jan-09 Analyzed: 30-Jan-09										
Lead	1.22		mg/l	0.0075	1.25	BRL	97	75-125	0.5	20
Chromium	1.23		mg/l	0.0050	1.25	0.0043	98	75-125	2	20
Arsenic	1.32		mg/l	0.0040	1.25	BRL	105	75-125	1	20
Cadmium	1.29		mg/l	0.0025	1.25	BRL	103	75-125	0.4	20
Barium	1.35		mg/l	0.0050	1.25	0.0562	104	75-125	0.6	20
Post Spike (9011874-PS1) **Source: SA89553-04**										
Prepared: 29-Jan-09 Analyzed: 30-Jan-09										
Lead	1.22		mg/l	0.0075	1.25	BRL	97	75-125		
Chromium	1.23		mg/l	0.0050	1.25	0.0043	98	75-125		
Cadmium	1.30		mg/l	0.0025	1.25	BRL	104	75-125		
Arsenic	1.34		mg/l	0.0040	1.25	BRL	107	75-125		
Barium	1.35		mg/l	0.0050	1.25	0.0562	104	75-125		

General Chemistry Parameters - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9011186 - General Preparation										
Duplicate (9011186-DUP1)	**Source: SA89905-11**									
Prepared & Analyzed: 20-Jan-09										
% Solids	85.2		%			85.4			0.2	20

Notes and Definitions

QC1	Analyte out of acceptance range.
QC2	Analyte out of acceptance range in QC spike but no reportable concentration present in sample.
QM2	The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte inherent in the sample.
QM7	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QR2	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
QR6	The RPD exceeded the QC control limits; however precision is demonstrated with acceptable RPD values for MS/MSD.
VC10	The VOC preserved soil sample is not within the 1:1 weight to volume ratio as recommended by SW846 methods 5030 and 5035 but may be within the 1:1 volume to volume ratio. This variance may affect the final reporting limit.
BRL	Below Reporting Limit - Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference
J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).

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

Interpretation of Total Petroleum Hydrocarbon Report

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

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

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

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

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

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

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

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

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

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

Validated by:
Hanibal C. Tayeh, Ph.D.
Nicole Leja
Rebecca Merz

SPECTRUM ANALYTICAL, INC.
Featuring
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CHAIN OF CUSTODY RECORD

Page 1 of 1

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

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

Invoice To: PAS # 44236

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

Project Mgr.: David Brassard

P.O. No.: _____ RQN: _____

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

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

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analyses: VOC 8260	SVOC 8270	CT ETPH	PCB 8080	Herbicides	Total RCRA Metals	QA Reporting Notes: (check if needed)
01	RSB-C79	1/14/09	950	G	So	1	3	2			X	X	X	X	X	X	☐ Provide MA DEP MCP CAM Report ☐ Provide CT DEP RCP Report
02	RSB-C80		915														QA/QC Reporting Level [x] Standard ☐ No QC ☐ Other _____ * State specific reporting standards: CT
03	RSB-C81		845														
04	RSB-C82		800														
05	RSB-C26		1300														

Relinquished by:	Received by:	Date:	Time:
Patrick deVaul	[signature]	1-15-09	940
[signature]	[signature]	1-15-09	1510

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

Condition upon receipt: ☐ Iced ☐ Ambient [x] °C 2.5

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SA89909 UK

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

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

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

Project Mgr.: David Brossard

Invoice To: PAS # 44236

P.O. No.: _____ RQN: _____

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

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

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

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	VOC 8260	SVOC 8270	CT ETPH	PCB 8080	Herbicides	Total RCRA 8 Metals	SPLP Pb, As, Cd	SPLP Cr, Ba
SA89909-01	RSB-C79	1/14/09	950	G	SO	7	3	2			X	X	X	X	X	X	✓	✓
02	RSB-C80	↓	915	↓	↓	↓	↓	↓			↓	↓	↓	↓	↓	↓		
03	RSB-C81	↓	845	↓	↓	↓	↓	↓			↓	↓	↓	↓	↓	↓		
04	RSB-C82	↓	800	↓	↓	↓	↓	↓			↓	↓	↓	↓	↓	↓		
05	RSB-C26	↓	1300	↓	↓	↓	↓	↓			↓	↓	↓	↓	↓	↓		

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

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

State specific reporting standards: CT

ADDED ANALYSIS 1/28/09
See attached

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

Condition upon receipt: ☐ Iced ☐ Ambient ☒ 2.5

Relinquished by:	Received by:	Date:	Time:
Patrick dePaula	[signature]	1-15-09	9W
[signature]	Michael [signature]	1-15-09	1510

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Page 1 of 1

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

Project Mgr.: David Brassard

Invoice To: DAS # 44236

P.O. No.: _____ RQN: _____

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

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

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

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic		VOC 8260	SVOC 8270	CT ETPH	PCB 8080	Herbicides	Total RCRA 8 Metals	SPLP Pb, As, Cd	SPLP Cr, Ba	QA Reporting Notes: (check if needed)
SA89909-01	RSB-C79	1/14/09	950	G	SO	7	3	2				X	X	X	X	X	X	✓	✓	X TCLP Pb
02	RSB-C80	↓	915	↓	↓	↓	↓	↓				↓	↓	↓	↓	↓	↓			X ↓
03	RSB-C81	↓	845	↓	↓	↓	↓	↓				↓	↓	↓	↓	↓	↓			X ↓
04	RSB-C82	↓	800	↓	↓	↓	↓	↓				↓	↓	↓	↓	↓	↓			Added 2/3/09
05	RSB-C26	↓	1300	↓	↓	↓	↓	↓				↓	↓	↓	↓	↓	↓			

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

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

State specific reporting standards: CT

ADDED ANALYSIS 1/28/09 See attached

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

Condition upon receipt: ☐ Iced ☐ Ambient ☒ 2.5

Relinquished by:	Received by:	Date:	Time:
Patrick dePaula	[signature]	1-15-09	9:00
[signature]	Michael [signature]	1-15-09	1510

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Page 1 of 1

Special Handling:
- ☒ Standard TAT - 7 to 10 business days
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- Samples disposed of after 60 days unless otherwise instructed.

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

Project Mgr.: David Brossard

Invoice To: DAS # 44236

P.O. No.: _____ RQN: _____

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

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH_3OH 8=$NaHSO_3$ 9=_____ 10=_____

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

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analyses: VOC 8260	SVOC 8270	CL ETPH	PCB 8080	Herbicides	Total RCRA B Metals	SPLP Pb, As, Cd	Spec. Ba	QA Reporting Notes:
DAS 44236-01	RSB-C79	1/14/09	950	G	SO	7	3	2			X	X	X	X	X	X	X	X	Confirm w/ Spectrum Added TCLP Pb
02	RSB-C80		915																
03	RSB-C81		845																
04	RSB-C82		800																
05	RSB-C26		1300																

☐ Fax results when available to (____)
☒ E-mail to patrick.delaula@tetratech.com
EDD Format _____
Condition upon receipt: ☐ Iced ☐ Ambient ☒ °C 2.5

Relinquished by:	Received by:	Date:	Time:
Patrick delaula	[illegible]	1-15-09	900
[illegible]	Michael Fischer	1-15-09	1510

ADDED ANALYSIS 1/28/09 See attached

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Report Date:
24-Feb-09 12:30

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
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Laboratory Report

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

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

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

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

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

Authorized by:

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

Technical Reviewer's Initial:

Spectrum Analytical holds certification in the State of New York for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of New York does not offer certification for all analytes.
Please note that this report contains 20 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supercedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report is available upon request. This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

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

Please contact the Laboratory or Technical Director at 800-789-9115 with any questions regarding the data contained in this laboratory report.

CASE NARRATIVE:

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

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

SW846 8260B

Laboratory Control Samples:

9021245-BS1

Analyte out of acceptance range.

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

9021245-BSD1

Analyte out of acceptance range.

Di-isopropyl ether

Spikes:

9021245-MSD1 *Source: SA90963-03*

Analyte out of acceptance range.

Chlorobenzene

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Fridge	127RAC-OH	Methanol/Deionized Water	06-Feb-09 14:50	09-Feb-09
SA90888-01				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
Volatile Organic Compounds											
Prepared by method SW846 5035A Soil (low level)											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg wet	5.0	1	SW846 8260B	17-Feb-09	17-Feb-09	9021103	X
67-64-1	Acetone	BRL		µg/kg wet	50.0	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg wet	5.0	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg wet	5.0	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg wet	5.0	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg wet	5.0	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg wet	10.0	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg wet	50.0	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg wet	25.0	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg wet	5.0	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg wet	10.0	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg wet	5.0	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg wet	10.0	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg wet	10.0	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg wet	5.0	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg wet	5.0	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg wet	5.0	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	5,360	E	µg/kg wet	10.0	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg wet	5.0	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg wet	5.0	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg wet	5.0	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg wet	5.0	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg wet	5.0	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg wet	50.0	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg wet	5.0	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg wet	50.0	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg wet	50.0	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
103-65-1	n-Propylbenzene	BRL		µg/kg wet	5.0	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Fridge SA90888-01	127RAC-OH	Methanol/Deionized Water	06-Feb-09 14:50	09-Feb-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
Volatile Organic Compounds											
Prepared by method SW846 5035A Soil (low level)											
100-42-5	Styrene	BRL		µg/kg wet	5.0	1	SW846 8260B	17-Feb-09	17-Feb-09	9021103	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg wet	5.0	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg wet	5.0	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg wet	5.0	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg wet	5.0	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg wet	5.0	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg wet	5.0	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg wet	5.0	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg wet	5.0	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg wet	5.0	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg wet	10.0	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg wet	50.0	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg wet	5.0	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg wet	5.0	1	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg wet	5.0	1	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg wet	5.0	1	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg wet	50.0	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg wet	100	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg wet	25.0	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg wet	2000	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*95*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*99*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*125*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*106*		*70-130 %*			"	"	"	"	
Re-analysis of Volatile Organic Compounds											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg wet	50.0	50	SW846 8260B	18-Feb-09	18-Feb-09	9021245	X
67-64-1	Acetone	BRL		µg/kg wet	500	50	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg wet	50.0	50	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg wet	50.0	50	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg wet	50.0	50	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg wet	50.0	50	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg wet	50.0	50	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg wet	50.0	50	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg wet	100	50	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg wet	500	50	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg wet	50.0	50	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg wet	50.0	50	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg wet	50.0	50	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg wet	250	50	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg wet	50.0	50	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg wet	50.0	50	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Fridge SA90888-01	127RAC-OH	Methanol/Deionized Water	06-Feb-09 14:50	09-Feb-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
Volatile Organic Compounds											
Prepared by method SW846 5030 Soil (high level)											
Re-analysis of Volatile Organic Compounds											
75-00-3	Chloroethane	BRL		µg/kg wet	100	50	SW846 8260B	18-Feb-09	18-Feb-09	9021245	X
67-66-3	Chloroform	BRL		µg/kg wet	50.0	50	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg wet	100	50	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg wet	50.0	50	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg wet	50.0	50	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg wet	100	50	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg wet	50.0	50	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg wet	50.0	50	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg wet	50.0	50	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg wet	50.0	50	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg wet	50.0	50	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg wet	50.0	50	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg wet	100	50	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg wet	50.0	50	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg wet	50.0	50	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg wet	50.0	50	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg wet	50.0	50	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg wet	50.0	50	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg wet	50.0	50	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg wet	50.0	50	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg wet	50.0	50	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg wet	50.0	50	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg wet	50.0	50	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg wet	50.0	50	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg wet	50.0	50	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg wet	50.0	50	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg wet	500	50	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg wet	50.0	50	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg wet	50.0	50	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg wet	50.0	50	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg wet	500	50	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg wet	500	50	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg wet	50.0	50	"	"	"	"	X
103-65-1	n-Propylbenzene	BRL		µg/kg wet	50.0	50	"	"	"	"	X
100-42-5	Styrene	BRL		µg/kg wet	50.0	50	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg wet	50.0	50	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg wet	50.0	50	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg wet	50.0	50	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg wet	50.0	50	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg wet	50.0	50	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg wet	50.0	50	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg wet	50.0	50	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg wet	50.0	50	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg wet	50.0	50	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg wet	50.0	50	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg wet	50.0	50	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg wet	50.0	50	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg wet	50.0	50	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg wet	50.0	50	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Fridge	127RAC-OH	Methanol/Deionized Water	06-Feb-09 14:50	09-Feb-09
SA90888-01				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
Volatile Organic Compounds											
Prepared by method SW846 5030 Soil (high level)											
Re-analysis of Volatile Organic Compounds											
75-01-4	Vinyl chloride	BRL		µg/kg wet	50.0	50	SW846 8260B	18-Feb-09	18-Feb-09	9021245	X
179601-23-1	m,p-Xylene	BRL		µg/kg wet	100	50	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg wet	50.0	50	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg wet	500	50	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg wet	50.0	50	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg wet	50.0	50	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg wet	50.0	50	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg wet	50.0	50	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg wet	500	50	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg wet	1000	50	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg wet	250	50	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg wet	20000	50	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*94*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*100*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*90*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*93*		*70-130 %*			"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Shelf SA90888-02	127RAC-OH	Methanol/Deionized Water	06-Feb-09 14:50	09-Feb-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
Volatile Organic Compounds											
Prepared by method SW846 5035A Soil (low level)											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg wet	5.0	1	SW846 8260B	17-Feb-09	17-Feb-09	9021103	X
67-64-1	Acetone	BRL		µg/kg wet	50.0	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg wet	5.0	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg wet	5.0	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg wet	5.0	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg wet	5.0	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg wet	10.0	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg wet	50.0	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg wet	25.0	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg wet	5.0	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg wet	10.0	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg wet	5.0	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg wet	10.0	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg wet	10.0	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg wet	5.0	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg wet	5.0	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg wet	5.0	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg wet	10.0	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg wet	5.0	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg wet	5.0	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg wet	5.0	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg wet	5.0	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg wet	5.0	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg wet	50.0	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg wet	5.0	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg wet	50.0	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg wet	50.0	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
103-65-1	n-Propylbenzene	BRL		µg/kg wet	5.0	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Shelf SA90888-02	127RAC-OH	Methanol/Deionized Water	06-Feb-09 14:50	09-Feb-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
Volatile Organic Compounds											
Prepared by method SW846 5035A Soil (low level)											
100-42-5	Styrene	BRL		µg/kg wet	5.0	1	SW846 8260B	17-Feb-09	17-Feb-09	9021103	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg wet	5.0	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg wet	5.0	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg wet	5.0	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg wet	5.0	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg wet	5.0	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg wet	5.0	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg wet	5.0	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg wet	5.0	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg wet	5.0	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg wet	10.0	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg wet	50.0	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg wet	5.0	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg wet	5.0	1	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg wet	5.0	1	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg wet	5.0	1	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg wet	50.0	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg wet	100	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg wet	25.0	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg wet	2000	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*92*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*99*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*123*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*104*		*70-130 %*			"	"	"	"	

Volatile Organic Compounds - Quality Control

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

Volatile Organic Compounds - Quality Control

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

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9021103 - SW846 5035A Soil (low level)										
LCS (9021103-BS1)										
Prepared & Analyzed: 17-Feb-09										
Chloroethane	17.8		µg/kg wet		20.0		89	59.2-130		
Chloroform	18.1		µg/kg wet		20.0		91	70-130		
Chloromethane	17.6		µg/kg wet		20.0		88	70-130		
2-Chlorotoluene	19.9		µg/kg wet		20.0		99	70-130		
4-Chlorotoluene	19.1		µg/kg wet		20.0		95	70-130		
1,2-Dibromo-3-chloropropane	17.8		µg/kg wet		20.0		89	70-130		
Dibromochloromethane	19.5		µg/kg wet		20.0		98	63.8-130		
1,2-Dibromoethane (EDB)	19.9		µg/kg wet		20.0		99	70-130		
Dibromomethane	20.1		µg/kg wet		20.0		100	70-130		
1,2-Dichlorobenzene	20.6		µg/kg wet		20.0		103	70-130		
1,3-Dichlorobenzene	19.4		µg/kg wet		20.0		97	70-130		
1,4-Dichlorobenzene	18.9		µg/kg wet		20.0		95	70-130		
Dichlorodifluoromethane (Freon12)	17.8		µg/kg wet		20.0		89	41.8-130		
1,1-Dichloroethane	19.4		µg/kg wet		20.0		97	70-130		
1,2-Dichloroethane	20.7		µg/kg wet		20.0		104	70-130		
1,1-Dichloroethene	20.1		µg/kg wet		20.0		101	70-130		
cis-1,2-Dichloroethene	19.9		µg/kg wet		20.0		99	70-130		
trans-1,2-Dichloroethene	18.3		µg/kg wet		20.0		91	70-130		
1,2-Dichloropropane	19.4		µg/kg wet		20.0		97	70-130		
1,3-Dichloropropane	20.3		µg/kg wet		20.0		101	70-130		
2,2-Dichloropropane	20.0		µg/kg wet		20.0		100	70-130		
1,1-Dichloropropene	20.0		µg/kg wet		20.0		100	70-130		
cis-1,3-Dichloropropene	21.3		µg/kg wet		20.0		106	70-130		
trans-1,3-Dichloropropene	20.5		µg/kg wet		20.0		103	70-130		
Ethylbenzene	18.8		µg/kg wet		20.0		94	70-130		
Hexachlorobutadiene	18.6		µg/kg wet		20.0		93	68.3-130		
2-Hexanone (MBK)	18.8		µg/kg wet		20.0		94	70-130		
Isopropylbenzene	16.2		µg/kg wet		20.0		81	70-130		
4-Isopropyltoluene	20.6		µg/kg wet		20.0		103	70-130		
Methyl tert-butyl ether	21.3		µg/kg wet		20.0		107	70-130		
4-Methyl-2-pentanone (MIBK)	19.3		µg/kg wet		20.0		96	53.1-132		
Methylene chloride	18.3		µg/kg wet		20.0		92	70-130		
Naphthalene	20.8		µg/kg wet		20.0		104	70-130		
n-Propylbenzene	18.2		µg/kg wet		20.0		91	70-130		
Styrene	18.6		µg/kg wet		20.0		93	70-130		
1,1,1,2-Tetrachloroethane	19.6		µg/kg wet		20.0		98	70-130		
1,1,2,2-Tetrachloroethane	21.0		µg/kg wet		20.0		105	70-130		
Tetrachloroethene	19.2		µg/kg wet		20.0		96	70-130		
Toluene	19.0		µg/kg wet		20.0		95	70-130		
1,2,3-Trichlorobenzene	19.3		µg/kg wet		20.0		96	70-130		
1,2,4-Trichlorobenzene	18.1		µg/kg wet		20.0		91	70-130		
1,3,5-Trichlorobenzene	18.8		µg/kg wet		20.0		94	70-130		
1,1,1-Trichloroethane	19.9		µg/kg wet		20.0		100	70-130		
1,1,2-Trichloroethane	20.6		µg/kg wet		20.0		103	70-130		
Trichloroethene	19.6		µg/kg wet		20.0		98	70-130		
Trichlorofluoromethane (Freon 11)	21.1		µg/kg wet		20.0		105	68.2-130		
1,2,3-Trichloropropane	24.6		µg/kg wet		20.0		123	70-130		
1,2,4-Trimethylbenzene	19.4		µg/kg wet		20.0		97	70-130		
1,3,5-Trimethylbenzene	19.2		µg/kg wet		20.0		96	70-130		

Volatile Organic Compounds - Quality Control

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

Volatile Organic Compounds - Quality Control

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

Volatile Organic Compounds - Quality Control

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

Volatile Organic Compounds - Quality Control

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

Volatile Organic Compounds - Quality Control

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

Volatile Organic Compounds - Quality Control

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

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9021245 - SW846 5030 Soil (high level)										
LCS Dup (9021245-BSD1)										
Prepared & Analyzed: 18-Feb-09										
trans-1,2-Dichloroethene	15.4		µg/kg wet		20.0		77	70-130	3	25
1,2-Dichloropropane	18.9		µg/kg wet		20.0		94	70-130	6	25
1,3-Dichloropropane	19.0		µg/kg wet		20.0		95	70-130	10	25
2,2-Dichloropropane	24.5		µg/kg wet		20.0		122	70-130	10	25
1,1-Dichloropropene	17.8		µg/kg wet		20.0		89	70-130	4	25
cis-1,3-Dichloropropene	17.9		µg/kg wet		20.0		89	70-130	3	25
trans-1,3-Dichloropropene	17.7		µg/kg wet		20.0		89	70-130	0.6	25
Ethylbenzene	21.1		µg/kg wet		20.0		105	70-130	2	25
Hexachlorobutadiene	23.6		µg/kg wet		20.0		118	68.3-130	3	50
2-Hexanone (MBK)	16.4		µg/kg wet		20.0		82	70-130	20	25
Isopropylbenzene	18.2		µg/kg wet		20.0		91	70-130	4	25
4-Isopropyltoluene	22.2		µg/kg wet		20.0		111	70-130	3	25
Methyl tert-butyl ether	18.5		µg/kg wet		20.0		92	70-130	11	25
4-Methyl-2-pentanone (MIBK)	17.0		µg/kg wet		20.0		85	53.1-132	13	50
Methylene chloride	14.5		µg/kg wet		20.0		72	70-130	12	25
Naphthalene	18.8		µg/kg wet		20.0		94	70-130	3	25
n-Propylbenzene	21.4		µg/kg wet		20.0		107	70-130	2	25
Styrene	21.7		µg/kg wet		20.0		108	70-130	3	25
1,1,1,2-Tetrachloroethane	22.2		µg/kg wet		20.0		111	70-130	5	25
1,1,2,2-Tetrachloroethane	19.6		µg/kg wet		20.0		98	70-130	15	25
Tetrachloroethene	23.1		µg/kg wet		20.0		116	70-130	0.5	25
Toluene	18.3		µg/kg wet		20.0		91	70-130	7	25
1,2,3-Trichlorobenzene	22.9		µg/kg wet		20.0		115	70-130	2	25
1,2,4-Trichlorobenzene	21.5		µg/kg wet		20.0		108	70-130	0.05	25
1,3,5-Trichlorobenzene	22.9		µg/kg wet		20.0		114	70-130	3	25
1,1,1-Trichloroethane	21.7		µg/kg wet		20.0		109	70-130	4	25
1,1,2-Trichloroethane	20.3		µg/kg wet		20.0		102	70-130	5	25
Trichloroethene	19.4		µg/kg wet		20.0		97	70-130	8	25
Trichlorofluoromethane (Freon 11)	18.5		µg/kg wet		20.0		92	68.2-130	8	50
1,2,3-Trichloropropane	22.4		µg/kg wet		20.0		112	70-130	10	25
1,2,4-Trimethylbenzene	21.8		µg/kg wet		20.0		109	70-130	2	25
1,3,5-Trimethylbenzene	21.8		µg/kg wet		20.0		109	70-130	2	25
Vinyl chloride	18.6		µg/kg wet		20.0		93	70-130	13	25
m,p-Xylene	42.8		µg/kg wet		40.0		107	70-130	0.6	25
o-Xylene	21.4		µg/kg wet		20.0		107	70-130	4	25
Tetrahydrofuran	18.4		µg/kg wet		20.0		92	70-130	15	25
Ethyl ether	16.3		µg/kg wet		20.0		81	70-130	10	50
Tert-amyl methyl ether	15.3		µg/kg wet		20.0		76	70-130	15	25
Ethyl tert-butyl ether	24.8		µg/kg wet		20.0		124	70-130	9	25
Di-isopropyl ether	12.3	QC1	µg/kg wet		20.0		62	70-130	18	25
Tert-Butanol / butyl alcohol	196		µg/kg wet		200		98	70-130	8	25
1,4-Dioxane	224		µg/kg wet		200		112	48.7-130	15	25
trans-1,4-Dichloro-2-butene	24.3		µg/kg wet		20.0		121	70-130	2	25
Ethanol	335		µg/kg wet		400		84	70-130	21	30
Surrogate: 4-Bromofluorobenzene	*28.8*		µg/kg wet		*30.0*		*96*	*70-130*		
Surrogate: Toluene-d8	*29.8*		µg/kg wet		*30.0*		*99*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*26.8*		µg/kg wet		*30.0*		*89*	*70-130*		
Surrogate: Dibromofluoromethane	*29.6*		µg/kg wet		*30.0*		*99*	*70-130*		
Matrix Spike (9021245-MS1)	**Source: SA90963-03**									
Prepared & Analyzed: 18-Feb-09										

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Volatile Organic Compounds - Quality Control

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

Notes and Definitions

E	The concentration indicated for this analyte is an estimated value. This value is considered an estimate (CLP E-flag).
QC1	Analyte out of acceptance range.
BRL	Below Reporting Limit - Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference

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

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

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

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

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

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

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

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

Validated by:
Hanibal C. Tayeh, Ph.D.
Rebecca Merz

SAT-90888 Rev

SPECTRUM ANALYTICAL, INC.
Formerly
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

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

Report To: Tetra Tech R220 Inc
150 Trumbull Street 9th Fl
Hartford, CT 06103-2428

Invoice To: ⇒ SAME

Project No.: 127RAC-01t
Site Name: Tetra Tech R220
Location: Hartford State: CT
Sampler(s): Joe Perko

Project Mgr.: Joe Perko
P.O. No.: _____ RQN: _____

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH_3OH 8=$NaHSO_4$ 9=D.I H_2O 10= _____

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

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analyses: VOCs by 8260	QA Reporting Notes: (check if needed)
90888 01	Fridge	2/6/09	14:50	G	W	HCl	3				X	
02	Shelf	↓	14:55	↓	↓	↓	↓				↓	

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

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

State specific reporting standards: Connecticut

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

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

Relinquished by:	Received by:	Date:	Time:
Joseph T. Perko III	[illegible]	2-9-09	915
[illegible]	[illegible]	2-9-09	1159