



Department of National Defence - Royal
Military College
ATTN: CANDICE CASUCCI
Environmental Sciences Group
Kingston ON K7K7B4

Date Received: 28-SEP-12
Report Date: 05-OCT-12 15:08 (MT)
Version: FINAL

Client Phone: 613-541-6000

Certificate of Analysis

Lab Work Order #: L1216448
Project P.O. #: BP15RE
Job Reference: FOX-3-MON-DLCU
C of C Numbers:
Legal Site Desc:

Comments: -10 had low sample volume and the lab experienced extraction problems due to the matrix, sample had to be re-extracted with less volume causing raised DL's GAB/LO

Gayle Braun
Senior Account Manager

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ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters		Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L1216448-1 50000 Sampled By: CLIENT on 10-SEP-12 Matrix: WATER								
Total Metals								
Arsenic (As)-Total		0.0056		0.0010	mg/L	02-OCT-12	02-OCT-12	R2447363
Cadmium (Cd)-Total		0.00030		0.00010	mg/L	02-OCT-12	02-OCT-12	R2447363
Chromium (Cr)-Total		0.0132		0.0010	mg/L	02-OCT-12	02-OCT-12	R2447363
Cobalt (Co)-Total		0.00331		0.00050	mg/L	02-OCT-12	02-OCT-12	R2447363
Copper (Cu)-Total		0.0430		0.0010	mg/L	02-OCT-12	02-OCT-12	R2447363
Lead (Pb)-Total		0.0056		0.0010	mg/L	02-OCT-12	02-OCT-12	R2447363
Mercury (Hg)-Total		<0.00010		0.00010	mg/L	01-OCT-12	02-OCT-12	R2447401
Nickel (Ni)-Total		0.0207		0.0020	mg/L	02-OCT-12	02-OCT-12	R2447363
Zinc (Zn)-Total		0.172		0.0030	mg/L	02-OCT-12	02-OCT-12	R2447363
Hydrocarbons								
F2 (C10-C16)		<100		100	ug/L	03-OCT-12	04-OCT-12	R2449281
F3 (C16-C34)		<250		250	ug/L	03-OCT-12	04-OCT-12	R2449281
F4 (C34-C50)		<250		250	ug/L	03-OCT-12	04-OCT-12	R2449281
Chrom. to baseline at nC50		YES				03-OCT-12	04-OCT-12	R2449281
Surrogate: 2-Bromobenzotrifluoride		76.1		60-140	%	03-OCT-12	04-OCT-12	R2449281
Surrogate: Octacosane		91.5		60-140	%	03-OCT-12	04-OCT-12	R2449281
Polychlorinated Biphenyls								
Aroclor 1242		<0.020		0.020	ug/L	03-OCT-12	04-OCT-12	R2449427
Aroclor 1248		<0.020		0.020	ug/L	03-OCT-12	04-OCT-12	R2449427
Aroclor 1254		<0.020		0.020	ug/L	03-OCT-12	04-OCT-12	R2449427
Aroclor 1260		<0.020		0.020	ug/L	03-OCT-12	04-OCT-12	R2449427
Total PCBs		<0.040		0.040	ug/L	03-OCT-12	04-OCT-12	R2449427
Surrogate: d14-Terphenyl		96.0		50-150	%	03-OCT-12	04-OCT-12	R2449427
L1216448-2 50001 Sampled By: CLIENT on 10-SEP-12 Matrix: WATER								
Total Metals								
Arsenic (As)-Total		0.017	DLM	0.010	mg/L	02-OCT-12	03-OCT-12	R2448191
Cadmium (Cd)-Total		0.00093	DLM	0.00090	mg/L	02-OCT-12	03-OCT-12	R2448191
Chromium (Cr)-Total		0.146	DLM	0.0050	mg/L	02-OCT-12	03-OCT-12	R2448191
Cobalt (Co)-Total		0.0337	DLM	0.0050	mg/L	02-OCT-12	03-OCT-12	R2448191
Copper (Cu)-Total		0.093	DLM	0.010	mg/L	02-OCT-12	03-OCT-12	R2448191
Lead (Pb)-Total		0.026	DLM	0.010	mg/L	02-OCT-12	03-OCT-12	R2448191
Mercury (Hg)-Total		<0.00010		0.00010	mg/L	01-OCT-12	02-OCT-12	R2447401
Nickel (Ni)-Total		0.854	DLM	0.020	mg/L	02-OCT-12	03-OCT-12	R2448191
Zinc (Zn)-Total		0.947	DLM	0.030	mg/L	02-OCT-12	03-OCT-12	R2448191
Hydrocarbons								
F2 (C10-C16)		<100		100	ug/L	03-OCT-12	04-OCT-12	R2449447
F3 (C16-C34)		<250		250	ug/L	03-OCT-12	04-OCT-12	R2449447
F4 (C34-C50)		<250		250	ug/L	03-OCT-12	04-OCT-12	R2449447
Chrom. to baseline at nC50		YES				03-OCT-12	04-OCT-12	R2449447
Surrogate: 2-Bromobenzotrifluoride		69.7		60-140	%	03-OCT-12	04-OCT-12	R2449447

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters		Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L1216448-2 50001 Sampled By: CLIENT on 10-SEP-12 Matrix: WATER								
Hydrocarbons								
Surrogate: Octacosane		80.3		60-140	%	03-OCT-12	04-OCT-12	R2449447
Polychlorinated Biphenyls								
Aroclor 1242		<0.020		0.020	ug/L	03-OCT-12	04-OCT-12	R2449427
Aroclor 1248		<0.020		0.020	ug/L	03-OCT-12	04-OCT-12	R2449427
Aroclor 1254		<0.020		0.020	ug/L	03-OCT-12	04-OCT-12	R2449427
Aroclor 1260		<0.020		0.020	ug/L	03-OCT-12	04-OCT-12	R2449427
Total PCBs		<0.040		0.040	ug/L	03-OCT-12	04-OCT-12	R2449427
Surrogate: d14-Terphenyl		100.9		50-150	%	03-OCT-12	04-OCT-12	R2449427
L1216448-3 50002 Sampled By: CLIENT on 10-SEP-12 Matrix: WATER								
Total Metals								
Arsenic (As)-Total		0.0100		0.0010	mg/L	02-OCT-12	02-OCT-12	R2447363
Cadmium (Cd)-Total		0.00021		0.00010	mg/L	02-OCT-12	02-OCT-12	R2447363
Chromium (Cr)-Total		0.0075		0.0010	mg/L	02-OCT-12	02-OCT-12	R2447363
Cobalt (Co)-Total		0.00120		0.00050	mg/L	02-OCT-12	02-OCT-12	R2447363
Copper (Cu)-Total		0.0262		0.0010	mg/L	02-OCT-12	02-OCT-12	R2447363
Lead (Pb)-Total		0.0077		0.0010	mg/L	02-OCT-12	02-OCT-12	R2447363
Mercury (Hg)-Total		<0.00010		0.00010	mg/L	01-OCT-12	02-OCT-12	R2447401
Nickel (Ni)-Total		0.0115		0.0020	mg/L	02-OCT-12	02-OCT-12	R2447363
Zinc (Zn)-Total		0.270		0.0030	mg/L	02-OCT-12	02-OCT-12	R2447363
Hydrocarbons								
F2 (C10-C16)		<100		100	ug/L	03-OCT-12	04-OCT-12	R2449281
F3 (C16-C34)		<250		250	ug/L	03-OCT-12	04-OCT-12	R2449281
F4 (C34-C50)		<250		250	ug/L	03-OCT-12	04-OCT-12	R2449281
Chrom. to baseline at nC50		YES				03-OCT-12	04-OCT-12	R2449281
Surrogate: 2-Bromobenzotrifluoride		73.1		60-140	%	03-OCT-12	04-OCT-12	R2449281
Surrogate: Octacosane		84.0		60-140	%	03-OCT-12	04-OCT-12	R2449281
Polychlorinated Biphenyls								
Aroclor 1242		<0.020		0.020	ug/L	03-OCT-12	04-OCT-12	R2449427
Aroclor 1248		<0.020		0.020	ug/L	03-OCT-12	04-OCT-12	R2449427
Aroclor 1254		<0.020		0.020	ug/L	03-OCT-12	04-OCT-12	R2449427
Aroclor 1260		<0.020		0.020	ug/L	03-OCT-12	04-OCT-12	R2449427
Total PCBs		<0.040		0.040	ug/L	03-OCT-12	04-OCT-12	R2449427
Surrogate: d14-Terphenyl		105.2		50-150	%	03-OCT-12	04-OCT-12	R2449427
L1216448-4 50003 Sampled By: CLIENT on 10-SEP-12 Matrix: WATER								
Total Metals								
Arsenic (As)-Total		0.0011		0.0010	mg/L	02-OCT-12	02-OCT-12	R2447363
Cadmium (Cd)-Total		0.00169		0.00010	mg/L	02-OCT-12	02-OCT-12	R2447363
Chromium (Cr)-Total		0.0156		0.0010	mg/L	02-OCT-12	02-OCT-12	R2447363

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters		Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L1216448-4 50003 Sampled By: CLIENT on 10-SEP-12 Matrix: WATER								
Total Metals								
Cobalt (Co)-Total		0.0763		0.00050	mg/L	02-OCT-12	02-OCT-12	R2447363
Copper (Cu)-Total		0.0180		0.0010	mg/L	02-OCT-12	02-OCT-12	R2447363
Lead (Pb)-Total		0.0022		0.0010	mg/L	02-OCT-12	02-OCT-12	R2447363
Mercury (Hg)-Total		<0.00010		0.00010	mg/L	01-OCT-12	02-OCT-12	R2447401
Nickel (Ni)-Total		0.216		0.0020	mg/L	02-OCT-12	02-OCT-12	R2447363
Zinc (Zn)-Total		0.0929		0.0030	mg/L	02-OCT-12	02-OCT-12	R2447363
Hydrocarbons								
F2 (C10-C16)		<100		100	ug/L	03-OCT-12	04-OCT-12	R2449281
F3 (C16-C34)		<250		250	ug/L	03-OCT-12	04-OCT-12	R2449281
F4 (C34-C50)		<250		250	ug/L	03-OCT-12	04-OCT-12	R2449281
Chrom. to baseline at nC50		YES				03-OCT-12	04-OCT-12	R2449281
Surrogate: 2-Bromobenzotrifluoride		70.5		60-140	%	03-OCT-12	04-OCT-12	R2449281
Surrogate: Octacosane		88.8		60-140	%	03-OCT-12	04-OCT-12	R2449281
Polychlorinated Biphenyls								
Aroclor 1242		<0.020		0.020	ug/L	03-OCT-12	04-OCT-12	R2449427
Aroclor 1248		<0.020		0.020	ug/L	03-OCT-12	04-OCT-12	R2449427
Aroclor 1254		<0.020		0.020	ug/L	03-OCT-12	04-OCT-12	R2449427
Aroclor 1260		<0.020		0.020	ug/L	03-OCT-12	04-OCT-12	R2449427
Total PCBs		<0.040		0.040	ug/L	03-OCT-12	04-OCT-12	R2449427
Surrogate: d14-Terphenyl		102.4		50-150	%	03-OCT-12	04-OCT-12	R2449427
L1216448-5 50004 Sampled By: CLIENT on 10-SEP-12 Matrix: WATER								
Total Metals								
Arsenic (As)-Total		0.064	DLM	0.010	mg/L	02-OCT-12	03-OCT-12	R2448191
Cadmium (Cd)-Total		0.00148	DLM	0.00090	mg/L	02-OCT-12	03-OCT-12	R2448191
Chromium (Cr)-Total		0.149	DLM	0.0050	mg/L	02-OCT-12	03-OCT-12	R2448191
Cobalt (Co)-Total		0.0867	DLM	0.0050	mg/L	02-OCT-12	03-OCT-12	R2448191
Copper (Cu)-Total		0.195	DLM	0.010	mg/L	02-OCT-12	03-OCT-12	R2448191
Lead (Pb)-Total		0.024	DLM	0.010	mg/L	02-OCT-12	03-OCT-12	R2448191
Mercury (Hg)-Total		<0.00010		0.00010	mg/L	01-OCT-12	02-OCT-12	R2447401
Nickel (Ni)-Total		0.528	DLM	0.020	mg/L	02-OCT-12	03-OCT-12	R2448191
Zinc (Zn)-Total		0.522	DLM	0.030	mg/L	02-OCT-12	03-OCT-12	R2448191
Hydrocarbons								
F2 (C10-C16)		<100		100	ug/L	03-OCT-12	04-OCT-12	R2449281
F3 (C16-C34)		<250		250	ug/L	03-OCT-12	04-OCT-12	R2449281
F4 (C34-C50)		<250		250	ug/L	03-OCT-12	04-OCT-12	R2449281
Chrom. to baseline at nC50		YES				03-OCT-12	04-OCT-12	R2449281
Surrogate: 2-Bromobenzotrifluoride		70.4		60-140	%	03-OCT-12	04-OCT-12	R2449281
Surrogate: Octacosane		81.6		60-140	%	03-OCT-12	04-OCT-12	R2449281
Polychlorinated Biphenyls								
Aroclor 1242		<0.020		0.020	ug/L	03-OCT-12	04-OCT-12	R2449427

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters		Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L1216448-5 50004 Sampled By: CLIENT on 10-SEP-12 Matrix: WATER Polychlorinated Biphenyls Aroclor 1248 Aroclor 1254 Aroclor 1260 Total PCBs Surrogate: d14-Terphenyl								
		<0.020		0.020	ug/L	03-OCT-12	04-OCT-12	R2449427
		<0.020		0.020	ug/L	03-OCT-12	04-OCT-12	R2449427
		<0.020		0.020	ug/L	03-OCT-12	04-OCT-12	R2449427
		<0.040		0.040	ug/L	03-OCT-12	04-OCT-12	R2449427
		92.4		50-150	%	03-OCT-12	04-OCT-12	R2449427
L1216448-6 50005 Sampled By: CLIENT on 10-SEP-12 Matrix: WATER Total Metals Arsenic (As)-Total Cadmium (Cd)-Total Chromium (Cr)-Total Cobalt (Co)-Total Copper (Cu)-Total Lead (Pb)-Total Mercury (Hg)-Total Nickel (Ni)-Total Zinc (Zn)-Total Hydrocarbons F2 (C10-C16) F3 (C16-C34) F4 (C34-C50) Chrom. to baseline at nC50 Surrogate: 2-Bromobenzotrifluoride Surrogate: Octacosane Polychlorinated Biphenyls Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260 Total PCBs Surrogate: d14-Terphenyl								
		<0.0010		0.0010	mg/L	02-OCT-12	03-OCT-12	R2448191
		<0.00010		0.00010	mg/L	02-OCT-12	03-OCT-12	R2448191
		<0.0010		0.0010	mg/L	02-OCT-12	03-OCT-12	R2448191
		<0.00050		0.00050	mg/L	02-OCT-12	03-OCT-12	R2448191
		<0.0010		0.0010	mg/L	02-OCT-12	03-OCT-12	R2448191
		<0.0010		0.0010	mg/L	02-OCT-12	03-OCT-12	R2448191
		<0.00010		0.00010	mg/L	01-OCT-12	02-OCT-12	R2447405
		<0.0020		0.0020	mg/L	02-OCT-12	03-OCT-12	R2448191
		<0.0030		0.0030	mg/L	02-OCT-12	03-OCT-12	R2448191
		<100		100	ug/L	03-OCT-12	04-OCT-12	R2449281
		<250		250	ug/L	03-OCT-12	04-OCT-12	R2449281
		<250		250	ug/L	03-OCT-12	04-OCT-12	R2449281
		YES				03-OCT-12	04-OCT-12	R2449281
		74.1		60-140	%	03-OCT-12	04-OCT-12	R2449281
		88.0		60-140	%	03-OCT-12	04-OCT-12	R2449281
		<0.020		0.020	ug/L	03-OCT-12	04-OCT-12	R2449427
		<0.020		0.020	ug/L	03-OCT-12	04-OCT-12	R2449427
		<0.020		0.020	ug/L	03-OCT-12	04-OCT-12	R2449427
		<0.020		0.020	ug/L	03-OCT-12	04-OCT-12	R2449427
		<0.040		0.040	ug/L	03-OCT-12	04-OCT-12	R2449427
		117.9		50-150	%	03-OCT-12	04-OCT-12	R2449427
L1216448-7 50006 Sampled By: CLIENT on 10-SEP-12 Matrix: WATER Total Metals Arsenic (As)-Total Cadmium (Cd)-Total Chromium (Cr)-Total Cobalt (Co)-Total Copper (Cu)-Total Lead (Pb)-Total								
		<0.010	DLM	0.010	mg/L	02-OCT-12	03-OCT-12	R2448191
		<0.00090	DLM	0.00090	mg/L	02-OCT-12	03-OCT-12	R2448191
		0.0099	DLM	0.0050	mg/L	02-OCT-12	03-OCT-12	R2448191
		<0.0050	DLM	0.0050	mg/L	02-OCT-12	03-OCT-12	R2448191
		0.062	DLM	0.010	mg/L	02-OCT-12	03-OCT-12	R2448191
		0.010	DLM	0.010	mg/L	02-OCT-12	03-OCT-12	R2448191

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters		Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L1216448-7	50006							
	Sampled By: CLIENT on 10-SEP-12							
	Matrix: WATER							
	Total Metals							
	Mercury (Hg)-Total	<0.00010		0.00010	mg/L	01-OCT-12	02-OCT-12	R2447405
	Nickel (Ni)-Total	0.032	DLM	0.020	mg/L	02-OCT-12	03-OCT-12	R2448191
	Zinc (Zn)-Total	0.064	DLM	0.030	mg/L	02-OCT-12	03-OCT-12	R2448191
	Hydrocarbons							
	F2 (C10-C16)	<100		100	ug/L	03-OCT-12	04-OCT-12	R2449281
	F3 (C16-C34)	<250		250	ug/L	03-OCT-12	04-OCT-12	R2449281
	F4 (C34-C50)	<250		250	ug/L	03-OCT-12	04-OCT-12	R2449281
	Chrom. to baseline at nC50	YES				03-OCT-12	04-OCT-12	R2449281
	Surrogate: 2-Bromobenzotrifluoride	77.4		60-140	%	03-OCT-12	04-OCT-12	R2449281
	Surrogate: Octacosane	86.1		60-140	%	03-OCT-12	04-OCT-12	R2449281
	Polychlorinated Biphenyls							
	Aroclor 1242	<0.020		0.020	ug/L	03-OCT-12	04-OCT-12	R2448252
	Aroclor 1248	<0.020		0.020	ug/L	03-OCT-12	04-OCT-12	R2448252
	Aroclor 1254	<0.020		0.020	ug/L	03-OCT-12	04-OCT-12	R2448252
	Aroclor 1260	<0.020		0.020	ug/L	03-OCT-12	04-OCT-12	R2448252
	Total PCBs	<0.040		0.040	ug/L	03-OCT-12	04-OCT-12	R2448252
	Surrogate: d14-Terphenyl	91.2		50-150	%	03-OCT-12	04-OCT-12	R2448252
L1216448-8	50007							
	Sampled By: CLIENT on 10-SEP-12							
	Matrix: WATER							
	Total Metals							
	Arsenic (As)-Total	0.0058		0.0010	mg/L	02-OCT-12	03-OCT-12	R2448191
	Cadmium (Cd)-Total	0.00114		0.00010	mg/L	02-OCT-12	03-OCT-12	R2448191
	Chromium (Cr)-Total	0.0168		0.0010	mg/L	02-OCT-12	03-OCT-12	R2448191
	Cobalt (Co)-Total	0.0158		0.00050	mg/L	02-OCT-12	03-OCT-12	R2448191
	Copper (Cu)-Total	0.0362		0.0010	mg/L	02-OCT-12	03-OCT-12	R2448191
	Lead (Pb)-Total	0.0014		0.0010	mg/L	02-OCT-12	03-OCT-12	R2448191
	Mercury (Hg)-Total	<0.00010		0.00010	mg/L	01-OCT-12	02-OCT-12	R2447405
	Nickel (Ni)-Total	0.110		0.0020	mg/L	02-OCT-12	03-OCT-12	R2448191
	Zinc (Zn)-Total	2.11		0.0030	mg/L	02-OCT-12	03-OCT-12	R2448191
	Hydrocarbons							
	F2 (C10-C16)	<100		100	ug/L	03-OCT-12	04-OCT-12	R2449281
	F3 (C16-C34)	<250		250	ug/L	03-OCT-12	04-OCT-12	R2449281
	F4 (C34-C50)	<250		250	ug/L	03-OCT-12	04-OCT-12	R2449281
	Chrom. to baseline at nC50	YES				03-OCT-12	04-OCT-12	R2449281
	Surrogate: 2-Bromobenzotrifluoride	78.1		60-140	%	03-OCT-12	04-OCT-12	R2449281
	Surrogate: Octacosane	85.2		60-140	%	03-OCT-12	04-OCT-12	R2449281
	Polychlorinated Biphenyls							
	Aroclor 1242	<0.020		0.020	ug/L	03-OCT-12	04-OCT-12	R2448252
	Aroclor 1248	<0.020		0.020	ug/L	03-OCT-12	04-OCT-12	R2448252
	Aroclor 1254	<0.020		0.020	ug/L	03-OCT-12	04-OCT-12	R2448252
	Aroclor 1260	<0.020		0.020	ug/L	03-OCT-12	04-OCT-12	R2448252

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters		Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L1216448-8 50007 Sampled By: CLIENT on 10-SEP-12 Matrix: WATER								
	Polychlorinated Biphenyls							
	Total PCBs	<0.040		0.040	ug/L	03-OCT-12	04-OCT-12	R2448252
	Surrogate: d14-Terphenyl	109.1		50-150	%	03-OCT-12	04-OCT-12	R2448252
L1216448-9 50008 Sampled By: CLIENT on 10-SEP-12 Matrix: WATER	Total Metals							
	Arsenic (As)-Total	0.0052		0.0010	mg/L	02-OCT-12	03-OCT-12	R2448191
	Cadmium (Cd)-Total	0.00120		0.00010	mg/L	02-OCT-12	03-OCT-12	R2448191
	Chromium (Cr)-Total	0.0211		0.0010	mg/L	02-OCT-12	03-OCT-12	R2448191
	Cobalt (Co)-Total	0.0157		0.00050	mg/L	02-OCT-12	03-OCT-12	R2448191
	Copper (Cu)-Total	0.0268		0.0010	mg/L	02-OCT-12	03-OCT-12	R2448191
	Lead (Pb)-Total	<0.0010		0.0010	mg/L	02-OCT-12	03-OCT-12	R2448191
	Mercury (Hg)-Total	<0.00010		0.00010	mg/L	01-OCT-12	02-OCT-12	R2447405
	Nickel (Ni)-Total	0.116		0.0020	mg/L	02-OCT-12	03-OCT-12	R2448191
	Zinc (Zn)-Total	2.04		0.0030	mg/L	02-OCT-12	03-OCT-12	R2448191
	Hydrocarbons							
	F2 (C10-C16)	<100		100	ug/L	03-OCT-12	04-OCT-12	R2449447
	F3 (C16-C34)	<250		250	ug/L	03-OCT-12	04-OCT-12	R2449447
	F4 (C34-C50)	<250		250	ug/L	03-OCT-12	04-OCT-12	R2449447
	Chrom. to baseline at nC50	YES				03-OCT-12	04-OCT-12	R2449447
	Surrogate: 2-Bromobenzotrifluoride	60.8		60-140	%	03-OCT-12	04-OCT-12	R2449447
	Surrogate: Octacosane	76.5		60-140	%	03-OCT-12	04-OCT-12	R2449447
	Polychlorinated Biphenyls							
	Aroclor 1242	<0.020		0.020	ug/L	03-OCT-12	04-OCT-12	R2448252
	Aroclor 1248	<0.020		0.020	ug/L	03-OCT-12	04-OCT-12	R2448252
	Aroclor 1254	<0.020		0.020	ug/L	03-OCT-12	04-OCT-12	R2448252
	Aroclor 1260	<0.020		0.020	ug/L	03-OCT-12	04-OCT-12	R2448252
	Total PCBs	<0.040		0.040	ug/L	03-OCT-12	04-OCT-12	R2448252
	Surrogate: d14-Terphenyl	108.9		50-150	%	03-OCT-12	04-OCT-12	R2448252
L1216448-10 50009 Sampled By: CLIENT on 10-SEP-12 Matrix: WATER	Total Metals							
	Mercury (Hg)-Total	<0.00080	DLM	0.00010	mg/L	02-OCT-12	02-OCT-12	R2447869
	Hydrocarbons							
	F2 (C10-C16)	250		100	ug/L	04-OCT-12	04-OCT-12	R2449026
	F3 (C16-C34)	650		250	ug/L	04-OCT-12	04-OCT-12	R2449026
	F4 (C34-C50)	<250		250	ug/L	04-OCT-12	04-OCT-12	R2449026
	Chrom. to baseline at nC50	YES				04-OCT-12	04-OCT-12	R2449026
	Surrogate: 2-Bromobenzotrifluoride	46.2	SOL:PP	60-140	%	04-OCT-12	04-OCT-12	R2449026
	Surrogate: Octacosane	84.1		60-140	%	04-OCT-12	04-OCT-12	R2449026
	Polychlorinated Biphenyls							
	Aroclor 1242	<0.40	DLIV	0.40	ug/L	03-OCT-12	04-OCT-12	R2448252

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters		Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L1216448-10 50009 Sampled By: CLIENT on 10-SEP-12 Matrix: WATER								
Polychlorinated Biphenyls								
Aroclor 1248		<0.40	DLIV	0.40	ug/L	03-OCT-12	04-OCT-12	R2448252
Aroclor 1254		<0.40	DLIV	0.40	ug/L	03-OCT-12	04-OCT-12	R2448252
Aroclor 1260		<0.40	DLIV	0.40	ug/L	03-OCT-12	04-OCT-12	R2448252
Total PCBs		<0.80	DLIV	0.80	ug/L	03-OCT-12	04-OCT-12	R2448252
Surrogate: d14-Terphenyl		102.6		50-150	%	03-OCT-12	04-OCT-12	R2448252
L1216448-11 19320 Sampled By: CLIENT on 10-SEP-12 Matrix: SOIL								
Physical Tests								
% Moisture		7.02		0.10	%	02-OCT-12	02-OCT-12	R2448054
Metals								
Arsenic (As)		10.7		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Cadmium (Cd)		<0.50		0.50	ug/g	02-OCT-12	04-OCT-12	R2449289
Chromium (Cr)		68.9		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Cobalt (Co)		8.5		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Copper (Cu)		59.4		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Lead (Pb)		50.8		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Mercury (Hg)		0.012		0.010	mg/kg	02-OCT-12	03-OCT-12	R2448748
Nickel (Ni)		28.0		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Zinc (Zn)		133		5.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Polychlorinated Biphenyls								
Aroclor 1242		<0.010		0.010	mg/kg	03-OCT-12	04-OCT-12	R2449048
Aroclor 1248		<0.010		0.010	mg/kg	03-OCT-12	04-OCT-12	R2449048
Aroclor 1254		0.050		0.010	mg/kg	03-OCT-12	04-OCT-12	R2449048
Aroclor 1260		0.023		0.010	mg/kg	03-OCT-12	04-OCT-12	R2449048
Total PCBs		0.073		0.020	mg/kg	03-OCT-12	04-OCT-12	R2449048
Surrogate: d14-Terphenyl		127.8		50-150	%	03-OCT-12	04-OCT-12	R2449048
L1216448-12 19321 Sampled By: CLIENT on 10-SEP-12 Matrix: SOIL								
Physical Tests								
% Moisture		5.20		0.10	%	01-OCT-12	01-OCT-12	R2447165
Hydrocarbons								
F1 (C6-C10)		<5.0	ABL	5.0	ug/g	01-OCT-12	03-OCT-12	R2448085
F2 (C10-C16)		<10		10	ug/g	05-OCT-12	05-OCT-12	R2450221
F3 (C16-C34)		76		50	ug/g	05-OCT-12	05-OCT-12	R2450221
F4 (C34-C50)		<50		50	ug/g	05-OCT-12	05-OCT-12	R2450221
Total Hydrocarbons (C6-C50)		76		50	ug/g		05-OCT-12	
Chrom. to baseline at nC50		YES				05-OCT-12	05-OCT-12	R2450221
Surrogate: 2-Bromobenzotrifluoride		80.1		60-140	%	05-OCT-12	05-OCT-12	R2450221
Surrogate: 3,4-Dichlorotoluene		104.4		50-140	%	01-OCT-12	03-OCT-12	R2448085
Surrogate: Octacosane		97.4		60-140	%	05-OCT-12	05-OCT-12	R2450221
Report Remarks : Analysis compromised due to type of sample jar received. Losses may have occurred according to 511 Regulation. Sample has								

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters		Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L1216448-12	19321 Sampled By: CLIENT on 10-SEP-12 Matrix: SOIL headspace.							
L1216448-13	19322 Sampled By: CLIENT on 10-SEP-12 Matrix: SOIL Physical Tests % Moisture Metals Arsenic (As) Cadmium (Cd) Chromium (Cr) Cobalt (Co) Copper (Cu) Lead (Pb) Mercury (Hg) Nickel (Ni) Zinc (Zn) Polychlorinated Biphenyls Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260 Total PCBs Surrogate: d14-Terphenyl	11.7		0.10	%	01-OCT-12	01-OCT-12	R2447165
		14.7		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
		<0.50		0.50	ug/g	02-OCT-12	04-OCT-12	R2449289
		83.5		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
		8.6		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
		46.6		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
		33.5		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
		<0.010		0.010	mg/kg	02-OCT-12	03-OCT-12	R2448748
		32.2		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
		112		5.0	ug/g	02-OCT-12	04-OCT-12	R2449289
		<0.010		0.010	mg/kg	03-OCT-12	04-OCT-12	R2449048
		<0.010		0.010	mg/kg	03-OCT-12	04-OCT-12	R2449048
		0.011		0.010	mg/kg	03-OCT-12	04-OCT-12	R2449048
		<0.010		0.010	mg/kg	03-OCT-12	04-OCT-12	R2449048
		<0.020		0.020	mg/kg	03-OCT-12	04-OCT-12	R2449048
		127.9		50-150	%	03-OCT-12	04-OCT-12	R2449048
L1216448-14	19323 Sampled By: CLIENT on 10-SEP-12 Matrix: SOIL Physical Tests % Moisture Hydrocarbons F1 (C6-C10) F2 (C10-C16) F3 (C16-C34) F4 (C34-C50) Total Hydrocarbons (C6-C50) Chrom. to baseline at nC50 Surrogate: 2-Bromobenzotrifluoride Surrogate: 3,4-Dichlorotoluene Surrogate: Octacosane Report Remarks : Analysis compromised due to type of sample jar received. Loses may have occurred according to 511 Regulation. Sample has headspace.	13.1	ABL	0.10	%	01-OCT-12	01-OCT-12	R2447165
		<5.0		5.0	ug/g	01-OCT-12	03-OCT-12	R2448085
		<10		10	ug/g	05-OCT-12	05-OCT-12	R2450221
		<50		50	ug/g	05-OCT-12	05-OCT-12	R2450221
		<50		50	ug/g	05-OCT-12	05-OCT-12	R2450221
		<50		50	ug/g		05-OCT-12	
		YES				05-OCT-12	05-OCT-12	R2450221
		84.0		60-140	%	05-OCT-12	05-OCT-12	R2450221
		85.7		50-140	%	01-OCT-12	03-OCT-12	R2448085
		99.3		60-140	%	05-OCT-12	05-OCT-12	R2450221
L1216448-15	19324 Sampled By: CLIENT on 10-SEP-12 Matrix: SOIL Physical Tests % Moisture	12.5		0.10	%	01-OCT-12	01-OCT-12	R2447165

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters		Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L1216448-15 19324 Sampled By: CLIENT on 10-SEP-12 Matrix: SOIL								
Physical Tests								
Metals								
Arsenic (As)		12.6		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Cadmium (Cd)		<0.50		0.50	ug/g	02-OCT-12	04-OCT-12	R2449289
Chromium (Cr)		75.1		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Cobalt (Co)		8.9		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Copper (Cu)		32.3		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Lead (Pb)		5.6		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Mercury (Hg)		<0.010		0.010	mg/kg	02-OCT-12	03-OCT-12	R2448748
Nickel (Ni)		30.2		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Zinc (Zn)		74.2		5.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Polychlorinated Biphenyls								
Aroclor 1242		<0.010		0.010	mg/kg	03-OCT-12	04-OCT-12	R2449048
Aroclor 1248		<0.010		0.010	mg/kg	03-OCT-12	04-OCT-12	R2449048
Aroclor 1254		<0.010		0.010	mg/kg	03-OCT-12	04-OCT-12	R2449048
Aroclor 1260		<0.010		0.010	mg/kg	03-OCT-12	04-OCT-12	R2449048
Total PCBs		<0.020		0.020	mg/kg	03-OCT-12	04-OCT-12	R2449048
Surrogate: d14-Terphenyl		129.4		50-150	%	03-OCT-12	04-OCT-12	R2449048
L1216448-16 19325 Sampled By: CLIENT on 10-SEP-12 Matrix: SOIL								
Physical Tests								
% Moisture		12.3		0.10	%	01-OCT-12	01-OCT-12	R2447165
Hydrocarbons								
F1 (C6-C10)		<5.0	ABL	5.0	ug/g	01-OCT-12	03-OCT-12	R2448085
F2 (C10-C16)		<10		10	ug/g	05-OCT-12	05-OCT-12	R2450221
F3 (C16-C34)		<50		50	ug/g	05-OCT-12	05-OCT-12	R2450221
F4 (C34-C50)		<50		50	ug/g	05-OCT-12	05-OCT-12	R2450221
Total Hydrocarbons (C6-C50)		<50		50	ug/g		05-OCT-12	
Chrom. to baseline at nC50		YES				05-OCT-12	05-OCT-12	R2450221
Surrogate: 2-Bromobenzotrifluoride		81.3		60-140	%	05-OCT-12	05-OCT-12	R2450221
Surrogate: 3,4-Dichlorotoluene		104.3		50-140	%	01-OCT-12	03-OCT-12	R2448085
Surrogate: Octacosane		94.4		60-140	%	05-OCT-12	05-OCT-12	R2450221
Report Remarks : Analysis compromised due to type of sample jar received. Loses may have occurred according to 511 Regulation. Sample has headspace.								
L1216448-17 19326 Sampled By: CLIENT on 10-SEP-12 Matrix: SOIL								
Physical Tests								
% Moisture		12.4		0.10	%	01-OCT-12	01-OCT-12	R2447165
Metals								
Arsenic (As)		13.2		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Cadmium (Cd)		<0.50		0.50	ug/g	02-OCT-12	04-OCT-12	R2449289
Chromium (Cr)		65.6		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters		Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L1216448-17 19326 Sampled By: CLIENT on 10-SEP-12 Matrix: SOIL								
Metals								
Cobalt (Co)		7.9		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Copper (Cu)		31.6		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Lead (Pb)		5.3		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Mercury (Hg)		<0.010		0.010	mg/kg	02-OCT-12	03-OCT-12	R2448748
Nickel (Ni)		25.8		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Zinc (Zn)		72.5		5.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Polychlorinated Biphenyls								
Aroclor 1242		<0.010		0.010	mg/kg	03-OCT-12	04-OCT-12	R2449048
Aroclor 1248		<0.010		0.010	mg/kg	03-OCT-12	04-OCT-12	R2449048
Aroclor 1254		<0.010		0.010	mg/kg	03-OCT-12	04-OCT-12	R2449048
Aroclor 1260		<0.010		0.010	mg/kg	03-OCT-12	04-OCT-12	R2449048
Total PCBs		<0.020		0.020	mg/kg	03-OCT-12	04-OCT-12	R2449048
Surrogate: d14-Terphenyl		129.1		50-150	%	03-OCT-12	04-OCT-12	R2449048
L1216448-18 19327 Sampled By: CLIENT on 10-SEP-12 Matrix: SOIL								
Physical Tests								
% Moisture		12.9		0.10	%	01-OCT-12	01-OCT-12	R2447165
Hydrocarbons								
F1 (C6-C10)		<5.0	ABL	5.0	ug/g	01-OCT-12	03-OCT-12	R2448085
F2 (C10-C16)		<10		10	ug/g	05-OCT-12	05-OCT-12	R2450221
F3 (C16-C34)		<50		50	ug/g	05-OCT-12	05-OCT-12	R2450221
F4 (C34-C50)		<50		50	ug/g	05-OCT-12	05-OCT-12	R2450221
Total Hydrocarbons (C6-C50)		<50		50	ug/g		05-OCT-12	
Chrom. to baseline at nC50		YES				05-OCT-12	05-OCT-12	R2450221
Surrogate: 2-Bromobenzotrifluoride		78.8		60-140	%	05-OCT-12	05-OCT-12	R2450221
Surrogate: 3,4-Dichlorotoluene		110.8		50-140	%	01-OCT-12	03-OCT-12	R2448085
Surrogate: Octacosane		94.6		60-140	%	05-OCT-12	05-OCT-12	R2450221
Report Remarks : Analysis compromised due to type of sample jar received. Loses may have occurred according to 511 Regulation. Sample has headspace.								
L1216448-19 19328 Sampled By: CLIENT on 10-SEP-12 Matrix: SOIL								
Physical Tests								
% Moisture		10.7		0.10	%	01-OCT-12	01-OCT-12	R2447162
Metals								
Arsenic (As)		15.9		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Cadmium (Cd)		<0.50		0.50	ug/g	02-OCT-12	04-OCT-12	R2449289
Chromium (Cr)		69.0		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Cobalt (Co)		8.7		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Copper (Cu)		34.4		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Lead (Pb)		6.3		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Mercury (Hg)		<0.010		0.010	mg/kg	02-OCT-12	03-OCT-12	R2448748

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters		Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L1216448-19 19328 Sampled By: CLIENT on 10-SEP-12 Matrix: SOIL Metals Nickel (Ni) Zinc (Zn) Polychlorinated Biphenyls Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260 Total PCBs Surrogate: d14-Terphenyl								
		28.1		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
		73.0		5.0	ug/g	02-OCT-12	04-OCT-12	R2449289
		<0.010		0.010	mg/kg	03-OCT-12	04-OCT-12	R2449048
		<0.010		0.010	mg/kg	03-OCT-12	04-OCT-12	R2449048
		<0.010		0.010	mg/kg	03-OCT-12	04-OCT-12	R2449048
		<0.010		0.010	mg/kg	03-OCT-12	04-OCT-12	R2449048
		<0.020		0.020	mg/kg	03-OCT-12	04-OCT-12	R2449048
		116.0		50-150	%	03-OCT-12	04-OCT-12	R2449048
L1216448-20 19329 Sampled By: CLIENT on 10-SEP-12 Matrix: SOIL Physical Tests % Moisture Hydrocarbons F1 (C6-C10) F2 (C10-C16) F3 (C16-C34) F4 (C34-C50) Total Hydrocarbons (C6-C50) Chrom. to baseline at nC50 Surrogate: 2-Bromobenzotrifluoride Surrogate: 3,4-Dichlorotoluene Surrogate: Octacosane Report Remarks : Analysis compromised due to type of sample jar received. Loses may have occurred according to 511 Regulation. Sample has headspace.								
		11.7		0.10	%	01-OCT-12	01-OCT-12	R2447162
		<5.0	ABL	5.0	ug/g	01-OCT-12	03-OCT-12	R2448085
		<10		10	ug/g	05-OCT-12	05-OCT-12	R2450221
		<50		50	ug/g	05-OCT-12	05-OCT-12	R2450221
		<50		50	ug/g	05-OCT-12	05-OCT-12	R2450221
		<50		50	ug/g		05-OCT-12	
		YES				05-OCT-12	05-OCT-12	R2450221
		78.8		60-140	%	05-OCT-12	05-OCT-12	R2450221
		112.9		50-140	%	01-OCT-12	03-OCT-12	R2448085
		93.8		60-140	%	05-OCT-12	05-OCT-12	R2450221
		Report Remarks : Analysis compromised due to type of sample jar received. Loses may have occurred according to 511 Regulation. Sample has headspace.						
L1216448-21 19330 Sampled By: CLIENT on 10-SEP-12 Matrix: SOIL Physical Tests % Moisture Metals Arsenic (As) Cadmium (Cd) Chromium (Cr) Cobalt (Co) Copper (Cu) Lead (Pb) Mercury (Hg) Nickel (Ni) Zinc (Zn) Polychlorinated Biphenyls Aroclor 1242								
		10.9		0.10	%	02-OCT-12	02-OCT-12	R2448054
		14.4		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
		<0.50		0.50	ug/g	02-OCT-12	04-OCT-12	R2449289
		64.9		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
		8.0		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
		30.9		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
		6.8		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
		<0.010		0.010	mg/kg	02-OCT-12	03-OCT-12	R2448748
		26.6		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
		70.2		5.0	ug/g	02-OCT-12	04-OCT-12	R2449289
		<0.010		0.010	mg/kg	03-OCT-12	04-OCT-12	R2449048

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters		Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L1216448-21 19330 Sampled By: CLIENT on 10-SEP-12 Matrix: SOIL Polychlorinated Biphenyls	Aroclor 1248	<0.010		0.010	mg/kg	03-OCT-12	04-OCT-12	R2449048
	Aroclor 1254	<0.010		0.010	mg/kg	03-OCT-12	04-OCT-12	R2449048
	Aroclor 1260	<0.010		0.010	mg/kg	03-OCT-12	04-OCT-12	R2449048
	Total PCBs	<0.020		0.020	mg/kg	03-OCT-12	04-OCT-12	R2449048
	Surrogate: d14-Terphenyl	129.5		50-150	%	03-OCT-12	04-OCT-12	R2449048
L1216448-22 19331 Sampled By: CLIENT on 10-SEP-12 Matrix: SOIL Physical Tests	% Moisture	10.8		0.10	%	01-OCT-12	01-OCT-12	R2447162
	Hydrocarbons							
	F1 (C6-C10)	<5.0	ABL	5.0	ug/g	01-OCT-12	03-OCT-12	R2448085
	F2 (C10-C16)	<10		10	ug/g	05-OCT-12	05-OCT-12	R2450221
	F3 (C16-C34)	<50		50	ug/g	05-OCT-12	05-OCT-12	R2450221
	F4 (C34-C50)	<50		50	ug/g	05-OCT-12	05-OCT-12	R2450221
	Total Hydrocarbons (C6-C50)	<50		50	ug/g		05-OCT-12	
	Chrom. to baseline at nC50	YES				05-OCT-12	05-OCT-12	R2450221
	Surrogate: 2-Bromobenzotrifluoride	85.5		60-140	%	05-OCT-12	05-OCT-12	R2450221
	Surrogate: 3,4-Dichlorotoluene	111.6		50-140	%	01-OCT-12	03-OCT-12	R2448085
	Surrogate: Octacosane	100.3		60-140	%	05-OCT-12	05-OCT-12	R2450221
	Report Remarks : Analysis compromised due to type of sample jar received. Loses may have occurred according to 511 Regulation. Sample has headspace.							
	L1216448-23 19332 Sampled By: CLIENT on 10-SEP-12 Matrix: SOIL Physical Tests	% Moisture	6.68		0.10	%	02-OCT-12	02-OCT-12
Metals								
Arsenic (As)		10.5		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Cadmium (Cd)		<0.50		0.50	ug/g	02-OCT-12	04-OCT-12	R2449289
Chromium (Cr)		68.4		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Cobalt (Co)		7.6		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Copper (Cu)		28.0		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Lead (Pb)		5.1		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Mercury (Hg)		<0.010		0.010	mg/kg	02-OCT-12	03-OCT-12	R2448748
Nickel (Ni)		25.6		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Zinc (Zn)		62.0		5.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Polychlorinated Biphenyls								
Aroclor 1242		<0.010		0.010	mg/kg	03-OCT-12	04-OCT-12	R2449048
Aroclor 1248		<0.010		0.010	mg/kg	03-OCT-12	04-OCT-12	R2449048
Aroclor 1254		<0.010		0.010	mg/kg	03-OCT-12	04-OCT-12	R2449048
Aroclor 1260		<0.010		0.010	mg/kg	03-OCT-12	04-OCT-12	R2449048
Total PCBs		<0.020		0.020	mg/kg	03-OCT-12	04-OCT-12	R2449048

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters		Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L1216448-23	19332							
	Sampled By: CLIENT on 10-SEP-12							
Matrix: SOIL								
Polychlorinated Biphenyls								
Surrogate: d14-Terphenyl		115.5		50-150	%	03-OCT-12	04-OCT-12	R2449048
L1216448-24	19333							
	Sampled By: CLIENT on 10-SEP-12							
	Matrix: SOIL							
	Physical Tests							
	% Moisture	6.63		0.10	%	02-OCT-12	02-OCT-12	R2448054
	Hydrocarbons							
	F1 (C6-C10)	<5.0	ABL	5.0	ug/g	01-OCT-12	03-OCT-12	R2448085
	F2 (C10-C16)	<10		10	ug/g	05-OCT-12	05-OCT-12	R2450221
	F3 (C16-C34)	<50		50	ug/g	05-OCT-12	05-OCT-12	R2450221
	F4 (C34-C50)	<50		50	ug/g	05-OCT-12	05-OCT-12	R2450221
	Total Hydrocarbons (C6-C50)	<50		50	ug/g		05-OCT-12	
	Chrom. to baseline at nC50	YES				05-OCT-12	05-OCT-12	R2450221
	Surrogate: 2-Bromobenzotrifluoride	81.4		60-140	%	05-OCT-12	05-OCT-12	R2450221
	Surrogate: 3,4-Dichlorotoluene	119.7		50-140	%	01-OCT-12	03-OCT-12	R2448085
	Surrogate: Octacosane	96.3		60-140	%	05-OCT-12	05-OCT-12	R2450221
	Report Remarks : Analysis compromised due to type of sample jar received. Loses may have occurred according to 511 Regulation. Sample has headspace.							
L1216448-25	19334							
	Sampled By: CLIENT on 10-SEP-12							
	Matrix: SOIL							
	Physical Tests							
	% Moisture	8.73		0.10	%	02-OCT-12	02-OCT-12	R2448054
	Metals							
	Arsenic (As)	13.5		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
	Cadmium (Cd)	<0.50		0.50	ug/g	02-OCT-12	04-OCT-12	R2449289
	Chromium (Cr)	72.9		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
	Cobalt (Co)	8.0		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
	Copper (Cu)	31.4		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
	Lead (Pb)	6.3		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
	Mercury (Hg)	<0.010		0.010	mg/kg	02-OCT-12	03-OCT-12	R2448748
	Nickel (Ni)	27.0		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
	Zinc (Zn)	78.2		5.0	ug/g	02-OCT-12	04-OCT-12	R2449289
	Polychlorinated Biphenyls							
	Aroclor 1242	<0.010		0.010	mg/kg	03-OCT-12	04-OCT-12	R2449048
	Aroclor 1248	<0.010		0.010	mg/kg	03-OCT-12	04-OCT-12	R2449048
	Aroclor 1254	<0.010		0.010	mg/kg	03-OCT-12	04-OCT-12	R2449048
	Aroclor 1260	<0.010		0.010	mg/kg	03-OCT-12	04-OCT-12	R2449048
	Total PCBs	<0.020		0.020	mg/kg	03-OCT-12	04-OCT-12	R2449048
	Surrogate: d14-Terphenyl	123.6		50-150	%	03-OCT-12	04-OCT-12	R2449048
L1216448-26	19335							
	Sampled By: CLIENT on 10-SEP-12							
Matrix: SOIL								
Physical Tests								

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters		Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L1216448-26 19335 Sampled By: CLIENT on 10-SEP-12 Matrix: SOIL								
Physical Tests								
% Moisture		7.36		0.10	%	02-OCT-12	02-OCT-12	R2448054
Hydrocarbons								
F1 (C6-C10)		<5.0	ABL	5.0	ug/g	01-OCT-12	03-OCT-12	R2448085
F2 (C10-C16)		<10		10	ug/g	05-OCT-12	05-OCT-12	R2450221
F3 (C16-C34)		<50		50	ug/g	05-OCT-12	05-OCT-12	R2450221
F4 (C34-C50)		<50		50	ug/g	05-OCT-12	05-OCT-12	R2450221
Total Hydrocarbons (C6-C50)		<50		50	ug/g		05-OCT-12	
Chrom. to baseline at nC50		YES				05-OCT-12	05-OCT-12	R2450221
Surrogate: 2-Bromobenzotrifluoride		80.7		60-140	%	05-OCT-12	05-OCT-12	R2450221
Surrogate: 3,4-Dichlorotoluene		132.5		50-140	%	01-OCT-12	03-OCT-12	R2448085
Surrogate: Octacosane		97.7		60-140	%	05-OCT-12	05-OCT-12	R2450221
Report Remarks : Analysis compromised due to type of sample jar received. Loses may have occurred according to 511 Regulation. Sample has headspace.								
L1216448-27 19336 Sampled By: CLIENT on 10-SEP-12 Matrix: SOIL								
Physical Tests								
% Moisture		10.2		0.10	%	02-OCT-12	02-OCT-12	R2448054
Metals								
Arsenic (As)		10.0		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Cadmium (Cd)		<0.50		0.50	ug/g	02-OCT-12	04-OCT-12	R2449289
Chromium (Cr)		68.9		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Cobalt (Co)		8.7		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Copper (Cu)		29.2		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Lead (Pb)		16.0		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Mercury (Hg)		<0.010		0.010	mg/kg	02-OCT-12	03-OCT-12	R2448748
Nickel (Ni)		29.8		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Zinc (Zn)		72.3		5.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Polychlorinated Biphenyls								
Aroclor 1242		<0.010		0.010	mg/kg	03-OCT-12	04-OCT-12	R2449048
Aroclor 1248		<0.010		0.010	mg/kg	03-OCT-12	04-OCT-12	R2449048
Aroclor 1254		<0.010		0.010	mg/kg	03-OCT-12	04-OCT-12	R2449048
Aroclor 1260		<0.010		0.010	mg/kg	03-OCT-12	04-OCT-12	R2449048
Total PCBs		<0.020		0.020	mg/kg	03-OCT-12	04-OCT-12	R2449048
Surrogate: d14-Terphenyl		126.8		50-150	%	03-OCT-12	04-OCT-12	R2449048
L1216448-28 19337 Sampled By: CLIENT on 10-SEP-12 Matrix: SOIL								
Physical Tests								
% Moisture		10.6		0.10	%	02-OCT-12	02-OCT-12	R2448054
Hydrocarbons								
F1 (C6-C10)		<5.0	ABL	5.0	ug/g	01-OCT-12	03-OCT-12	R2448085
F2 (C10-C16)		<10		10	ug/g	05-OCT-12	05-OCT-12	R2450221

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters		Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L1216448-28 19337 Sampled By: CLIENT on 10-SEP-12 Matrix: SOIL								
Hydrocarbons								
F3 (C16-C34)		<50		50	ug/g	05-OCT-12	05-OCT-12	R2450221
F4 (C34-C50)		<50		50	ug/g	05-OCT-12	05-OCT-12	R2450221
Total Hydrocarbons (C6-C50)		<50		50	ug/g		05-OCT-12	
Chrom. to baseline at nC50		YES				05-OCT-12	05-OCT-12	R2450221
Surrogate: 2-Bromobenzotrifluoride		81.3		60-140	%	05-OCT-12	05-OCT-12	R2450221
Surrogate: 3,4-Dichlorotoluene		112.7		50-140	%	01-OCT-12	03-OCT-12	R2448085
Surrogate: Octacosane		106.1		60-140	%	05-OCT-12	05-OCT-12	R2450221
Report Remarks : Analysis compromised due to type of sample jar received. Loses may have occurred according to 511 Regulation. Sample has headspace.								
L1216448-29 19338 Sampled By: CLIENT on 10-SEP-12 Matrix: SOIL								
Physical Tests								
% Moisture		11.0		0.10	%	02-OCT-12	02-OCT-12	R2448054
Metals								
Arsenic (As)		13.7		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Cadmium (Cd)		<0.50		0.50	ug/g	02-OCT-12	04-OCT-12	R2449289
Chromium (Cr)		75.8		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Cobalt (Co)		9.5		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Copper (Cu)		34.6		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Lead (Pb)		6.8		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Mercury (Hg)		<0.010		0.010	mg/kg	02-OCT-12	03-OCT-12	R2448748
Nickel (Ni)		32.3		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Zinc (Zn)		78.7		5.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Polychlorinated Biphenyls								
Aroclor 1242		<0.010		0.010	mg/kg	03-OCT-12	04-OCT-12	R2449048
Aroclor 1248		<0.010		0.010	mg/kg	03-OCT-12	04-OCT-12	R2449048
Aroclor 1254		<0.010		0.010	mg/kg	03-OCT-12	04-OCT-12	R2449048
Aroclor 1260		<0.010		0.010	mg/kg	03-OCT-12	04-OCT-12	R2449048
Total PCBs		<0.020		0.020	mg/kg	03-OCT-12	04-OCT-12	R2449048
Surrogate: d14-Terphenyl		127.5		50-150	%	03-OCT-12	04-OCT-12	R2449048
L1216448-30 19339 Sampled By: CLIENT on 10-SEP-12 Matrix: SOIL								
Physical Tests								
% Moisture		9.45		0.10	%	02-OCT-12	02-OCT-12	R2448065
Hydrocarbons								
F1 (C6-C10)		<5.0	ABL	5.0	ug/g	01-OCT-12	02-OCT-12	R2448195
F2 (C10-C16)		<10		10	ug/g	05-OCT-12	05-OCT-12	R2449964
F3 (C16-C34)		<50		50	ug/g	05-OCT-12	05-OCT-12	R2449964
F4 (C34-C50)		<50		50	ug/g	05-OCT-12	05-OCT-12	R2449964
Total Hydrocarbons (C6-C50)		<50		50	ug/g		05-OCT-12	
Chrom. to baseline at nC50		YES				05-OCT-12	05-OCT-12	R2449964

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters		Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L1216448-30 19339 Sampled By: CLIENT on 10-SEP-12 Matrix: SOIL								
Hydrocarbons								
Surrogate: 2-Bromobenzotrifluoride		80.8		60-140	%	05-OCT-12	05-OCT-12	R2449964
Surrogate: 3,4-Dichlorotoluene		76.6		50-140	%	01-OCT-12	02-OCT-12	R2448195
Surrogate: Octacosane		94.3		60-140	%	05-OCT-12	05-OCT-12	R2449964
Report Remarks : Analysis compromised due to type of sample jar received. Loses may have occurred according to 511 Regulation. Sample has headspace.								
L1216448-31 19340 Sampled By: CLIENT on 10-SEP-12 Matrix: SOIL								
Physical Tests								
% Moisture		11.8		0.10	%	02-OCT-12	02-OCT-12	R2448065
Metals								
Arsenic (As)		12.3		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Cadmium (Cd)		<0.50		0.50	ug/g	02-OCT-12	04-OCT-12	R2449289
Chromium (Cr)		70.3		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Cobalt (Co)		8.8		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Copper (Cu)		33.7		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Lead (Pb)		6.3		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Mercury (Hg)		<0.010		0.010	mg/kg	02-OCT-12	03-OCT-12	R2448748
Nickel (Ni)		29.6		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Zinc (Zn)		70.6		5.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Polychlorinated Biphenyls								
Aroclor 1242		<0.010		0.010	mg/kg	03-OCT-12	04-OCT-12	R2449048
Aroclor 1248		<0.010		0.010	mg/kg	03-OCT-12	04-OCT-12	R2449048
Aroclor 1254		<0.010		0.010	mg/kg	03-OCT-12	04-OCT-12	R2449048
Aroclor 1260		<0.010		0.010	mg/kg	03-OCT-12	04-OCT-12	R2449048
Total PCBs		<0.020		0.020	mg/kg	03-OCT-12	04-OCT-12	R2449048
Surrogate: d14-Terphenyl		126.0		50-150	%	03-OCT-12	04-OCT-12	R2449048
L1216448-32 19341 Sampled By: CLIENT on 10-SEP-12 Matrix: SOIL								
Physical Tests								
% Moisture		13.6		0.10	%	02-OCT-12	02-OCT-12	R2448065
Hydrocarbons								
F1 (C6-C10)		<5.0	ABL	5.0	ug/g	01-OCT-12	02-OCT-12	R2448195
F2 (C10-C16)		<10		10	ug/g	05-OCT-12	05-OCT-12	R2449964
F3 (C16-C34)		<50		50	ug/g	05-OCT-12	05-OCT-12	R2449964
F4 (C34-C50)		<50		50	ug/g	05-OCT-12	05-OCT-12	R2449964
Total Hydrocarbons (C6-C50)		<50		50	ug/g		05-OCT-12	
Chrom. to baseline at nC50		YES				05-OCT-12	05-OCT-12	R2449964
Surrogate: 2-Bromobenzotrifluoride		78.9		60-140	%	05-OCT-12	05-OCT-12	R2449964
Surrogate: 3,4-Dichlorotoluene		95.8		50-140	%	01-OCT-12	02-OCT-12	R2448195
Surrogate: Octacosane		91.4		60-140	%	05-OCT-12	05-OCT-12	R2449964
Report Remarks : Analysis compromised due to type of sample jar received. Loses may have occurred according to 511 Regulation. Sample has headspace.								

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters		Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L1216448-32	19341 Sampled By: CLIENT on 10-SEP-12 Matrix: SOIL							
L1216448-33	19342 Sampled By: CLIENT on 10-SEP-12 Matrix: SOIL							
Physical Tests								
% Moisture		12.1		0.10	%	02-OCT-12	02-OCT-12	R2448065
Metals								
Arsenic (As)		17.4		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Cadmium (Cd)		<0.50		0.50	ug/g	02-OCT-12	04-OCT-12	R2449289
Chromium (Cr)		77.6		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Cobalt (Co)		10.2		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Copper (Cu)		46.9		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Lead (Pb)		7.4		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Mercury (Hg)		<0.010		0.010	mg/kg	02-OCT-12	03-OCT-12	R2448748
Nickel (Ni)		35.2		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Zinc (Zn)		80.2		5.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Polychlorinated Biphenyls								
Aroclor 1242		<0.010		0.010	mg/kg	03-OCT-12	04-OCT-12	R2449048
Aroclor 1248		<0.010		0.010	mg/kg	03-OCT-12	04-OCT-12	R2449048
Aroclor 1254		<0.010		0.010	mg/kg	03-OCT-12	04-OCT-12	R2449048
Aroclor 1260		<0.010		0.010	mg/kg	03-OCT-12	04-OCT-12	R2449048
Total PCBs		<0.020		0.020	mg/kg	03-OCT-12	04-OCT-12	R2449048
Surrogate: d14-Terphenyl		123.2		50-150	%	03-OCT-12	04-OCT-12	R2449048
L1216448-34	19343 Sampled By: CLIENT on 10-SEP-12 Matrix: SOIL							
Physical Tests								
% Moisture		11.7		0.10	%	02-OCT-12	02-OCT-12	R2448065
Hydrocarbons								
F1 (C6-C10)		<5.0	ABL	5.0	ug/g	01-OCT-12	03-OCT-12	R2448195
F2 (C10-C16)		<10		10	ug/g	05-OCT-12	05-OCT-12	R2449964
F3 (C16-C34)		<50		50	ug/g	05-OCT-12	05-OCT-12	R2449964
F4 (C34-C50)		<50		50	ug/g	05-OCT-12	05-OCT-12	R2449964
Total Hydrocarbons (C6-C50)		<50		50	ug/g		05-OCT-12	
Chrom. to baseline at nC50		YES				05-OCT-12	05-OCT-12	R2449964
Surrogate: 2-Bromobenzotrifluoride		77.2		60-140	%	05-OCT-12	05-OCT-12	R2449964
Surrogate: 3,4-Dichlorotoluene		80.5		50-140	%	01-OCT-12	03-OCT-12	R2448195
Surrogate: Octacosane		91.0		60-140	%	05-OCT-12	05-OCT-12	R2449964
Report Remarks : Analysis compromised due to type of sample jar received. Losses may have occurred according to 511 Regulation. Sample has headspace.								
L1216448-35	19344 Sampled By: CLIENT on 10-SEP-12 Matrix: SOIL							
Physical Tests								
% Moisture		10.2		0.10	%	02-OCT-12	02-OCT-12	R2448065
Metals								

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters		Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L1216448-35 19344 Sampled By: CLIENT on 10-SEP-12 Matrix: SOIL								
Metals								
Arsenic (As)		11.2		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Cadmium (Cd)		<0.50		0.50	ug/g	02-OCT-12	04-OCT-12	R2449289
Chromium (Cr)		72.0		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Cobalt (Co)		9.2		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Copper (Cu)		31.9		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Lead (Pb)		5.8		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Mercury (Hg)		<0.010		0.010	mg/kg	02-OCT-12	03-OCT-12	R2448748
Nickel (Ni)		30.7		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Zinc (Zn)		75.2		5.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Polychlorinated Biphenyls								
Aroclor 1242		<0.010		0.010	mg/kg	03-OCT-12	04-OCT-12	R2449048
Aroclor 1248		<0.010		0.010	mg/kg	03-OCT-12	04-OCT-12	R2449048
Aroclor 1254		<0.010		0.010	mg/kg	03-OCT-12	04-OCT-12	R2449048
Aroclor 1260		<0.010		0.010	mg/kg	03-OCT-12	04-OCT-12	R2449048
Total PCBs		<0.020		0.020	mg/kg	03-OCT-12	04-OCT-12	R2449048
Surrogate: d14-Terphenyl		125.3		50-150	%	03-OCT-12	04-OCT-12	R2449048
L1216448-36 19345 Sampled By: CLIENT on 10-SEP-12 Matrix: SOIL								
Physical Tests								
% Moisture		8.91		0.10	%	02-OCT-12	02-OCT-12	R2448065
Hydrocarbons								
F1 (C6-C10)		<5.0	ABL	5.0	ug/g	01-OCT-12	03-OCT-12	R2448195
F2 (C10-C16)		<10		10	ug/g	05-OCT-12	05-OCT-12	R2449964
F3 (C16-C34)		<50		50	ug/g	05-OCT-12	05-OCT-12	R2449964
F4 (C34-C50)		<50		50	ug/g	05-OCT-12	05-OCT-12	R2449964
Total Hydrocarbons (C6-C50)		<50		50	ug/g		05-OCT-12	
Chrom. to baseline at nC50		YES				05-OCT-12	05-OCT-12	R2449964
Surrogate: 2-Bromobenzotrifluoride		80.2		60-140	%	05-OCT-12	05-OCT-12	R2449964
Surrogate: 3,4-Dichlorotoluene		91.6		50-140	%	01-OCT-12	03-OCT-12	R2448195
Surrogate: Octacosane		92.6		60-140	%	05-OCT-12	05-OCT-12	R2449964
Report Remarks : Analysis compromised due to type of sample jar received. Loses may have occurred according to 511 Regulation. Sample has headspace.								
L1216448-37 19346 Sampled By: CLIENT on 10-SEP-12 Matrix: SOIL								
Physical Tests								
% Moisture		9.43		0.10	%	02-OCT-12	02-OCT-12	R2448065
Metals								
Arsenic (As)		11.3		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Cadmium (Cd)		<0.50		0.50	ug/g	02-OCT-12	04-OCT-12	R2449289
Chromium (Cr)		68.3		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Cobalt (Co)		8.6		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters		Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L1216448-37 19346 Sampled By: CLIENT on 10-SEP-12 Matrix: SOIL								
Metals								
Copper (Cu)		30.4		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Lead (Pb)		5.6		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Mercury (Hg)		<0.010		0.010	mg/kg	02-OCT-12	03-OCT-12	R2448748
Nickel (Ni)		28.4		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Zinc (Zn)		67.6		5.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Polychlorinated Biphenyls								
Aroclor 1242		<0.010		0.010	mg/kg	03-OCT-12	04-OCT-12	R2449048
Aroclor 1248		<0.010		0.010	mg/kg	03-OCT-12	04-OCT-12	R2449048
Aroclor 1254		<0.010		0.010	mg/kg	03-OCT-12	04-OCT-12	R2449048
Aroclor 1260		<0.010		0.010	mg/kg	03-OCT-12	04-OCT-12	R2449048
Total PCBs		<0.020		0.020	mg/kg	03-OCT-12	04-OCT-12	R2449048
Surrogate: d14-Terphenyl		126.3		50-150	%	03-OCT-12	04-OCT-12	R2449048
L1216448-38 19347A Sampled By: CLIENT on 10-SEP-12 Matrix: SOIL								
Physical Tests								
% Moisture		9.91		0.10	%	02-OCT-12	02-OCT-12	R2448065
Hydrocarbons								
F1 (C6-C10)		<5.0	ABL	5.0	ug/g	01-OCT-12	03-OCT-12	R2448195
F2 (C10-C16)		<10		10	ug/g	05-OCT-12	05-OCT-12	R2449964
F3 (C16-C34)		<50		50	ug/g	05-OCT-12	05-OCT-12	R2449964
F4 (C34-C50)		<50		50	ug/g	05-OCT-12	05-OCT-12	R2449964
Total Hydrocarbons (C6-C50)		<50		50	ug/g		05-OCT-12	
Chrom. to baseline at nC50		YES				05-OCT-12	05-OCT-12	R2449964
Surrogate: 2-Bromobenzotrifluoride		84.6		60-140	%	05-OCT-12	05-OCT-12	R2449964
Surrogate: 3,4-Dichlorotoluene		80.5		50-140	%	01-OCT-12	03-OCT-12	R2448195
Surrogate: Octacosane		102.2		60-140	%	05-OCT-12	05-OCT-12	R2449964
Report Remarks : Analysis compromised due to type of sample jar received. Loses may have occurred according to 511 Regulation. Sample has headspace.								
L1216448-39 19348 Sampled By: CLIENT on 10-SEP-12 Matrix: SOIL								
Physical Tests								
% Moisture		12.7		0.10	%	02-OCT-12	02-OCT-12	R2448065
Metals								
Arsenic (As)		16.3		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Cadmium (Cd)		<0.50		0.50	ug/g	02-OCT-12	04-OCT-12	R2449289
Chromium (Cr)		72.8		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Cobalt (Co)		10.0		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Copper (Cu)		36.5		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Lead (Pb)		6.5		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Mercury (Hg)		<0.010		0.010	mg/kg	02-OCT-12	03-OCT-12	R2448748
Nickel (Ni)		33.3		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters		Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L1216448-39 19348 Sampled By: CLIENT on 10-SEP-12 Matrix: SOIL Metals Zinc (Zn) Polychlorinated Biphenyls Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260 Total PCBs Surrogate: d14-Terphenyl								
		73.4		5.0	ug/g	02-OCT-12	04-OCT-12	R2449289
		<0.010		0.010	mg/kg	03-OCT-12	04-OCT-12	R2449048
		<0.010		0.010	mg/kg	03-OCT-12	04-OCT-12	R2449048
		<0.010		0.010	mg/kg	03-OCT-12	04-OCT-12	R2449048
		<0.010		0.010	mg/kg	03-OCT-12	04-OCT-12	R2449048
		<0.020		0.020	mg/kg	03-OCT-12	04-OCT-12	R2449048
		128.2		50-150	%	03-OCT-12	04-OCT-12	R2449048
L1216448-40 19349 Sampled By: CLIENT on 10-SEP-12 Matrix: SOIL Physical Tests % Moisture Hydrocarbons F1 (C6-C10) F2 (C10-C16) F3 (C16-C34) F4 (C34-C50) Total Hydrocarbons (C6-C50) Chrom. to baseline at nC50 Surrogate: 2-Bromobenzotrifluoride Surrogate: 3,4-Dichlorotoluene Surrogate: Octacosane Report Remarks : Analysis compromised due to type of sample jar received. Loses may have occurred according to 511 Regulation. Sample has headspace.								
		12.3		0.10	%	02-OCT-12	02-OCT-12	R2448065
		<5.0	ABL	5.0	ug/g	01-OCT-12	03-OCT-12	R2448195
		<10		10	ug/g	05-OCT-12	05-OCT-12	R2449964
		<50		50	ug/g	05-OCT-12	05-OCT-12	R2449964
		<50		50	ug/g	05-OCT-12	05-OCT-12	R2449964
		<50		50	ug/g		05-OCT-12	
		YES				05-OCT-12	05-OCT-12	R2449964
		75.8		60-140	%	05-OCT-12	05-OCT-12	R2449964
		69.9		50-140	%	01-OCT-12	03-OCT-12	R2448195
		88.5		60-140	%	05-OCT-12	05-OCT-12	R2449964
		Report Remarks : Analysis compromised due to type of sample jar received. Loses may have occurred according to 511 Regulation. Sample has headspace.						
L1216448-41 19350 Sampled By: CLIENT on 10-SEP-12 Matrix: SOIL Physical Tests % Moisture Metals Arsenic (As) Cadmium (Cd) Chromium (Cr) Cobalt (Co) Copper (Cu) Lead (Pb) Mercury (Hg) Nickel (Ni) Zinc (Zn) Polychlorinated Biphenyls Aroclor 1242 Aroclor 1248								
		11.8		0.10	%	02-OCT-12	02-OCT-12	R2448065
		21.0		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
		<0.50		0.50	ug/g	02-OCT-12	04-OCT-12	R2449289
		80.8		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
		10.9		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
		46.6		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
		7.1		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
		<0.010		0.010	mg/kg	02-OCT-12	03-OCT-12	R2448748
		35.6		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
		75.8		5.0	ug/g	02-OCT-12	04-OCT-12	R2449289
		<0.010		0.010	mg/kg	03-OCT-12	04-OCT-12	R2449048
		<0.010		0.010	mg/kg	03-OCT-12	04-OCT-12	R2449048

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters		Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L1216448-41	19350							
Sampled By:	CLIENT on 10-SEP-12							
Matrix:	SOIL							
Polychlorinated Biphenyls								
Aroclor 1254		<0.010		0.010	mg/kg	03-OCT-12	04-OCT-12	R2449048
Aroclor 1260		<0.010		0.010	mg/kg	03-OCT-12	04-OCT-12	R2449048
Total PCBs		<0.020		0.020	mg/kg	03-OCT-12	04-OCT-12	R2449048
Surrogate: d14-Terphenyl		124.0		50-150	%	03-OCT-12	04-OCT-12	R2449048
L1216448-42	19351							
Sampled By:	CLIENT on 10-SEP-12							
Matrix:	SOIL							
Physical Tests								
% Moisture		11.5		0.10	%	02-OCT-12	02-OCT-12	R2448065
Hydrocarbons								
F1 (C6-C10)		<5.0	ABL	5.0	ug/g	01-OCT-12	03-OCT-12	R2448195
F2 (C10-C16)		<10		10	ug/g	05-OCT-12	05-OCT-12	R2449964
F3 (C16-C34)		<50		50	ug/g	05-OCT-12	05-OCT-12	R2449964
F4 (C34-C50)		<50		50	ug/g	05-OCT-12	05-OCT-12	R2449964
Total Hydrocarbons (C6-C50)		<50		50	ug/g		05-OCT-12	
Chrom. to baseline at nC50		YES				05-OCT-12	05-OCT-12	R2449964
Surrogate: 2-Bromobenzotrifluoride		77.5		60-140	%	05-OCT-12	05-OCT-12	R2449964
Surrogate: 3,4-Dichlorotoluene		84.5		50-140	%	01-OCT-12	03-OCT-12	R2448195
Surrogate: Octacosane		90.0		60-140	%	05-OCT-12	05-OCT-12	R2449964
Report Remarks : Analysis compromised due to type of sample jar received. Loses may have occurred according to 511 Regulation. Sample has headspace.								
L1216448-43	19352							
Sampled By:	CLIENT on 10-SEP-12							
Matrix:	SOIL							
Physical Tests								
% Moisture		13.0		0.10	%	02-OCT-12	02-OCT-12	R2448065
Metals								
Arsenic (As)		18.7		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Cadmium (Cd)		<0.50		0.50	ug/g	02-OCT-12	04-OCT-12	R2449289
Chromium (Cr)		79.2		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Cobalt (Co)		9.7		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Copper (Cu)		43.2		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Lead (Pb)		7.4		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Mercury (Hg)		<0.010		0.010	mg/kg	02-OCT-12	03-OCT-12	R2448748
Nickel (Ni)		36.8		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Zinc (Zn)		75.4		5.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Polychlorinated Biphenyls								
Aroclor 1242		<0.010		0.010	mg/kg	03-OCT-12	04-OCT-12	R2449048
Aroclor 1248		<0.010		0.010	mg/kg	03-OCT-12	04-OCT-12	R2449048
Aroclor 1254		<0.010		0.010	mg/kg	03-OCT-12	04-OCT-12	R2449048
Aroclor 1260		<0.010		0.010	mg/kg	03-OCT-12	04-OCT-12	R2449048
Total PCBs		<0.020		0.020	mg/kg	03-OCT-12	04-OCT-12	R2449048
Surrogate: d14-Terphenyl		126.9		50-150	%	03-OCT-12	04-OCT-12	R2449048

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters		Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L1216448-43 19352 Sampled By: CLIENT on 10-SEP-12 Matrix: SOIL Polychlorinated Biphenyls								
L1216448-44 19353 Sampled By: CLIENT on 10-SEP-12 Matrix: SOIL Physical Tests % Moisture Hydrocarbons F1 (C6-C10) F2 (C10-C16) F3 (C16-C34) F4 (C34-C50) Total Hydrocarbons (C6-C50) Chrom. to baseline at nC50 Surrogate: 2-Bromobenzotrifluoride Surrogate: 3,4-Dichlorotoluene Surrogate: Octacosane Report Remarks : Analysis compromised due to type of sample jar received. Loses may have occurred according to 511 Regulation. Sample has headspace.		13.5	ABL	0.10	%	02-OCT-12	02-OCT-12	R2448065
		<5.0		5.0	ug/g	01-OCT-12	03-OCT-12	R2448195
		<10		10	ug/g	05-OCT-12	05-OCT-12	R2449964
		<50		50	ug/g	05-OCT-12	05-OCT-12	R2449964
		<50		50	ug/g	05-OCT-12	05-OCT-12	R2449964
		<50		50	ug/g		05-OCT-12	
		YES				05-OCT-12	05-OCT-12	R2449964
		81.1		60-140	%	05-OCT-12	05-OCT-12	R2449964
		79.7		50-140	%	01-OCT-12	03-OCT-12	R2448195
		93.4		60-140	%	05-OCT-12	05-OCT-12	R2449964
L1216448-45 19354 Sampled By: CLIENT on 10-SEP-12 Matrix: SOIL Physical Tests % Moisture Metals Arsenic (As) Cadmium (Cd) Chromium (Cr) Cobalt (Co) Copper (Cu) Lead (Pb) Mercury (Hg) Nickel (Ni) Zinc (Zn) Polychlorinated Biphenyls Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260 Total PCBs Surrogate: d14-Terphenyl		14.9		0.10	%	02-OCT-12	02-OCT-12	R2448065
		11.5		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
		<0.50		0.50	ug/g	02-OCT-12	04-OCT-12	R2449289
		65.6		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
		7.7		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
		30.5		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
		5.6		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
		<0.010		0.010	mg/kg	02-OCT-12	03-OCT-12	R2448748
		26.9		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
		72.3		5.0	ug/g	02-OCT-12	04-OCT-12	R2449289
		<0.010		0.010	mg/kg	03-OCT-12	04-OCT-12	R2449048
		<0.010		0.010	mg/kg	03-OCT-12	04-OCT-12	R2449048
		<0.010		0.010	mg/kg	03-OCT-12	04-OCT-12	R2449048
		<0.010		0.010	mg/kg	03-OCT-12	04-OCT-12	R2449048
		<0.020		0.020	mg/kg	03-OCT-12	04-OCT-12	R2449048
		128.8		50-150	%	03-OCT-12	04-OCT-12	R2449048
L1216448-46 19355 Sampled By: CLIENT on 10-SEP-12 Matrix: SOIL Physical Tests % Moisture		13.2		0.10	%	02-OCT-12	02-OCT-12	R2448065

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L1216448-46 19355 Sampled By: CLIENT on 10-SEP-12 Matrix: SOIL Physical Tests Hydrocarbons F1 (C6-C10) F2 (C10-C16) F3 (C16-C34) F4 (C34-C50) Total Hydrocarbons (C6-C50) Chrom. to baseline at nC50 Surrogate: 2-Bromobenzotrifluoride Surrogate: 3,4-Dichlorotoluene Surrogate: Octacosane Report Remarks : Analysis compromised due to type of sample jar received. Loses may have occurred according to 511 Regulation. Sample has headspace.	<5.0 <10 <50 <50 <50 YES 77.5 87.6 90.0	ABL	5.0 10 50 50 50 60-140 50-140 60-140	ug/g ug/g ug/g ug/g ug/g % % %	01-OCT-12 05-OCT-12 05-OCT-12 05-OCT-12 05-OCT-12 05-OCT-12 01-OCT-12 05-OCT-12	03-OCT-12 05-OCT-12 05-OCT-12 05-OCT-12 05-OCT-12 05-OCT-12 03-OCT-12 05-OCT-12	R2448195 R2449964 R2449964 R2449964 R2449964 R2449964 R2448195 R2449964
L1216448-47 19356 Sampled By: CLIENT on 10-SEP-12 Matrix: SOIL Physical Tests % Moisture Metals Arsenic (As) Cadmium (Cd) Chromium (Cr) Cobalt (Co) Copper (Cu) Lead (Pb) Mercury (Hg) Nickel (Ni) Zinc (Zn) Polychlorinated Biphenyls Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260 Total PCBs Surrogate: d14-Terphenyl	8.45 10.7 <0.50 61.5 7.9 27.7 6.8 <0.010 24.9 62.5 <0.010 <0.010 <0.010 <0.010 <0.020 117.6		0.10 1.0 0.50 1.0 1.0 1.0 1.0 0.010 1.0 5.0 0.010 0.010 0.010 0.010 0.020 50-150	% ug/g ug/g ug/g ug/g ug/g ug/g mg/kg ug/g ug/g mg/kg mg/kg mg/kg mg/kg mg/kg %	02-OCT-12 02-OCT-12 02-OCT-12 02-OCT-12 02-OCT-12 02-OCT-12 02-OCT-12 02-OCT-12 02-OCT-12 02-OCT-12 04-OCT-12 04-OCT-12 04-OCT-12 04-OCT-12 04-OCT-12 04-OCT-12	02-OCT-12 04-OCT-12 04-OCT-12 04-OCT-12 04-OCT-12 04-OCT-12 04-OCT-12 03-OCT-12 04-OCT-12 04-OCT-12 05-OCT-12 05-OCT-12 05-OCT-12 05-OCT-12 05-OCT-12 05-OCT-12	R2448065 R2449289 R2449289 R2449289 R2449289 R2449289 R2449289 R2448748 R2449289 R2449289 R2449971 R2449971 R2449971 R2449971 R2449971 R2449971
L1216448-48 19357 Sampled By: CLIENT on 10-SEP-12 Matrix: SOIL Physical Tests % Moisture Hydrocarbons F1 (C6-C10) F2 (C10-C16) F3 (C16-C34)	8.90 <5.0 <10 <50	ABL	0.10 5.0 10 50	% ug/g ug/g ug/g	02-OCT-12 01-OCT-12 05-OCT-12 05-OCT-12	02-OCT-12 03-OCT-12 05-OCT-12 05-OCT-12	R2448065 R2448195 R2449964 R2449964

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters		Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L1216448-48 19357 Sampled By: CLIENT on 10-SEP-12 Matrix: SOIL Hydrocarbons F4 (C34-C50) Total Hydrocarbons (C6-C50) Chrom. to baseline at nC50 Surrogate: 2-Bromobenzotrifluoride Surrogate: 3,4-Dichlorotoluene Surrogate: Octacosane Report Remarks : Analysis compromised due to type of sample jar received. Loses may have occurred according to 511 Regulation. Sample has headspace.		 <50 <50 YES 81.3 123.0 93.4		 50 50 60-140 50-140 60-140	 ug/g ug/g % % %	 05-OCT-12 05-OCT-12 05-OCT-12 05-OCT-12 01-OCT-12 05-OCT-12	 05-OCT-12 05-OCT-12 05-OCT-12 05-OCT-12 03-OCT-12 05-OCT-12	 R2449964 R2449964 R2449964 R2448195 R2449964
L1216448-49 19358 Sampled By: CLIENT on 10-SEP-12 Matrix: SOIL Physical Tests % Moisture Metals Arsenic (As) Cadmium (Cd) Chromium (Cr) Cobalt (Co) Copper (Cu) Lead (Pb) Mercury (Hg) Nickel (Ni) Zinc (Zn) Polychlorinated Biphenyls Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260 Total PCBs Surrogate: d14-Terphenyl		 11.5 13.5 <0.50 71.6 9.2 37.0 9.6 <0.010 30.5 70.1 <0.010 <0.010 <0.010 <0.010 <0.020 110.5		 0.10 1.0 0.50 1.0 1.0 1.0 1.0 1.0 0.010 1.0 5.0 0.010 0.010 0.010 0.010 0.020 50-150	 % ug/g ug/g ug/g ug/g ug/g ug/g mg/kg ug/g ug/g mg/kg mg/kg mg/kg mg/kg mg/kg %	 02-OCT-12 02-OCT-12 02-OCT-12 02-OCT-12 02-OCT-12 02-OCT-12 02-OCT-12 02-OCT-12 02-OCT-12 02-OCT-12 04-OCT-12 04-OCT-12 04-OCT-12 04-OCT-12 04-OCT-12 04-OCT-12	 02-OCT-12 04-OCT-12 04-OCT-12 04-OCT-12 04-OCT-12 04-OCT-12 04-OCT-12 03-OCT-12 04-OCT-12 04-OCT-12 05-OCT-12 05-OCT-12 05-OCT-12 05-OCT-12 05-OCT-12 05-OCT-12	 R2448065 R2449289 R2449289 R2449289 R2449289 R2449289 R2449289 R2448748 R2449289 R2449289 R2449971 R2449971 R2449971 R2449971 R2449971 R2449971
L1216448-50 19359 Sampled By: CLIENT on 10-SEP-12 Matrix: SOIL Physical Tests % Moisture Hydrocarbons F1 (C6-C10) F2 (C10-C16) F3 (C16-C34) F4 (C34-C50) Total Hydrocarbons (C6-C50) Chrom. to baseline at nC50 Surrogate: 2-Bromobenzotrifluoride		 10.5 <5.0 <10 <50 <50 <50 YES 84.9	 ABL	 0.10 5.0 10 50 50 50 60-140	 % ug/g ug/g ug/g ug/g ug/g % %	 02-OCT-12 01-OCT-12 05-OCT-12 05-OCT-12 05-OCT-12 05-OCT-12 05-OCT-12 05-OCT-12	 02-OCT-12 03-OCT-12 05-OCT-12 05-OCT-12 05-OCT-12 05-OCT-12 05-OCT-12 05-OCT-12	 R2448063 R2448195 R2449964 R2449964 R2449964 R2449964 R2449964 R2449964

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters		Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L1216448-50 19359 Sampled By: CLIENT on 10-SEP-12 Matrix: SOIL								
Hydrocarbons								
Surrogate: 3,4-Dichlorotoluene		65.7		50-140	%	01-OCT-12	03-OCT-12	R2448195
Surrogate: Octacosane		102.2		60-140	%	05-OCT-12	05-OCT-12	R2449964
Report Remarks : Analysis compromised due to type of sample jar received. Loses may have occurred according to 511 Regulation. Sample has headspace.								
L1216448-51 19360 Sampled By: CLIENT on 10-SEP-12 Matrix: SOIL								
Physical Tests								
% Moisture		10.8		0.10	%	02-OCT-12	02-OCT-12	R2448063
Metals								
Arsenic (As)		10.0		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Cadmium (Cd)		<0.50		0.50	ug/g	02-OCT-12	04-OCT-12	R2449289
Chromium (Cr)		60.4		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Cobalt (Co)		7.5		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Copper (Cu)		23.0		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Lead (Pb)		7.1		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Mercury (Hg)		<0.010		0.010	mg/kg	02-OCT-12	03-OCT-12	R2448748
Nickel (Ni)		24.3		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Zinc (Zn)		61.3		5.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Polychlorinated Biphenyls								
Aroclor 1242		<0.010		0.010	mg/kg	04-OCT-12	05-OCT-12	R2449971
Aroclor 1248		<0.010		0.010	mg/kg	04-OCT-12	05-OCT-12	R2449971
Aroclor 1254		<0.010		0.010	mg/kg	04-OCT-12	05-OCT-12	R2449971
Aroclor 1260		<0.010		0.010	mg/kg	04-OCT-12	05-OCT-12	R2449971
Total PCBs		<0.020		0.020	mg/kg	04-OCT-12	05-OCT-12	R2449971
Surrogate: d14-Terphenyl		129.0		50-150	%	04-OCT-12	05-OCT-12	R2449971
L1216448-52 19361 Sampled By: CLIENT on 10-SEP-12 Matrix: SOIL								
Physical Tests								
% Moisture		15.6		0.10	%	02-OCT-12	02-OCT-12	R2448063
Hydrocarbons								
F1 (C6-C10)		<5.0	ABL	5.0	ug/g	01-OCT-12	03-OCT-12	R2448195
F2 (C10-C16)		<10		10	ug/g	05-OCT-12	05-OCT-12	R2449964
F3 (C16-C34)		<50		50	ug/g	05-OCT-12	05-OCT-12	R2449964
F4 (C34-C50)		<50		50	ug/g	05-OCT-12	05-OCT-12	R2449964
Total Hydrocarbons (C6-C50)		<50		50	ug/g		05-OCT-12	
Chrom. to baseline at nC50		YES				05-OCT-12	05-OCT-12	R2449964
Surrogate: 2-Bromobenzotrifluoride		78.4		60-140	%	05-OCT-12	05-OCT-12	R2449964
Surrogate: 3,4-Dichlorotoluene		87.9		50-140	%	01-OCT-12	03-OCT-12	R2448195
Surrogate: Octacosane		97.6		60-140	%	05-OCT-12	05-OCT-12	R2449964
Report Remarks : Analysis compromised due to type of sample jar received. Loses may have occurred according to 511 Regulation. Sample has headspace.								
19362								

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters		Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L1216448-53 19362 Sampled By: CLIENT on 10-SEP-12 Matrix: SOIL								
Physical Tests								
% Moisture		14.4		0.10	%	02-OCT-12	02-OCT-12	R2448063
Metals								
Arsenic (As)		14.2		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Cadmium (Cd)		<0.50		0.50	ug/g	02-OCT-12	04-OCT-12	R2449289
Chromium (Cr)		66.3		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Cobalt (Co)		7.7		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Copper (Cu)		38.7		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Lead (Pb)		7.2		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Mercury (Hg)		<0.010		0.010	mg/kg	02-OCT-12	03-OCT-12	R2448748
Nickel (Ni)		25.4		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Zinc (Zn)		65.3		5.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Polychlorinated Biphenyls								
Aroclor 1242		<0.010		0.010	mg/kg	04-OCT-12	05-OCT-12	R2449971
Aroclor 1248		<0.010		0.010	mg/kg	04-OCT-12	05-OCT-12	R2449971
Aroclor 1254		<0.010		0.010	mg/kg	04-OCT-12	05-OCT-12	R2449971
Aroclor 1260		<0.010		0.010	mg/kg	04-OCT-12	05-OCT-12	R2449971
Total PCBs		<0.020		0.020	mg/kg	04-OCT-12	05-OCT-12	R2449971
Surrogate: d14-Terphenyl		112.8		50-150	%	04-OCT-12	05-OCT-12	R2449971
L1216448-54 19363 Sampled By: CLIENT on 10-SEP-12 Matrix: SOIL								
Physical Tests								
% Moisture		14.6		0.10	%	02-OCT-12	02-OCT-12	R2448063
Hydrocarbons								
F1 (C6-C10)		<5.0	ABL	5.0	ug/g	01-OCT-12	03-OCT-12	R2448195
F2 (C10-C16)		<10		10	ug/g	05-OCT-12	05-OCT-12	R2449964
F3 (C16-C34)		<50		50	ug/g	05-OCT-12	05-OCT-12	R2449964
F4 (C34-C50)		<50		50	ug/g	05-OCT-12	05-OCT-12	R2449964
Total Hydrocarbons (C6-C50)		<50		50	ug/g		05-OCT-12	
Chrom. to baseline at nC50		YES				05-OCT-12	05-OCT-12	R2449964
Surrogate: 2-Bromobenzotrifluoride		75.4		60-140	%	05-OCT-12	05-OCT-12	R2449964
Surrogate: 3,4-Dichlorotoluene		88.1		50-140	%	01-OCT-12	03-OCT-12	R2448195
Surrogate: Octacosane		91.3		60-140	%	05-OCT-12	05-OCT-12	R2449964
Report Remarks : Analysis compromised due to type of sample jar received. Loses may have occurred according to 511 Regulation. Sample has headspace.								
L1216448-55 19364 Sampled By: CLIENT on 10-SEP-12 Matrix: SOIL								
Physical Tests								
% Moisture		7.34		0.10	%	02-OCT-12	02-OCT-12	R2448063
Metals								
Arsenic (As)		5.1		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Cadmium (Cd)		<0.50		0.50	ug/g	02-OCT-12	04-OCT-12	R2449289

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters		Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L1216448-55 19364 Sampled By: CLIENT on 10-SEP-12 Matrix: SOIL								
Metals								
Chromium (Cr)		41.2		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Cobalt (Co)		5.0		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Copper (Cu)		14.8		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Lead (Pb)		4.1		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Mercury (Hg)		<0.010		0.010	mg/kg	02-OCT-12	03-OCT-12	R2448748
Nickel (Ni)		16.0		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Zinc (Zn)		51.0		5.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Polychlorinated Biphenyls								
Aroclor 1242		<0.010		0.010	mg/kg	04-OCT-12	05-OCT-12	R2449971
Aroclor 1248		<0.010		0.010	mg/kg	04-OCT-12	05-OCT-12	R2449971
Aroclor 1254		<0.010		0.010	mg/kg	04-OCT-12	05-OCT-12	R2449971
Aroclor 1260		<0.010		0.010	mg/kg	04-OCT-12	05-OCT-12	R2449971
Total PCBs		<0.020		0.020	mg/kg	04-OCT-12	05-OCT-12	R2449971
Surrogate: d14-Terphenyl		114.0		50-150	%	04-OCT-12	05-OCT-12	R2449971
L1216448-56 19365 Sampled By: CLIENT on 10-SEP-12 Matrix: SOIL								
Physical Tests								
% Moisture		8.97		0.10	%	02-OCT-12	02-OCT-12	R2448054
Hydrocarbons								
F1 (C6-C10)		<5.0	ABL	5.0	ug/g	01-OCT-12	03-OCT-12	R2448195
F2 (C10-C16)		<10		10	ug/g	02-OCT-12	02-OCT-12	R2447560
F3 (C16-C34)		<50		50	ug/g	02-OCT-12	02-OCT-12	R2447560
F4 (C34-C50)		<50		50	ug/g	02-OCT-12	02-OCT-12	R2447560
Total Hydrocarbons (C6-C50)		<50		50	ug/g		03-OCT-12	
Chrom. to baseline at nC50		YES				02-OCT-12	02-OCT-12	R2447560
Surrogate: 2-Bromobenzotrifluoride		83.8		60-140	%	02-OCT-12	02-OCT-12	R2447560
Surrogate: 3,4-Dichlorotoluene		70.6		50-140	%	01-OCT-12	03-OCT-12	R2448195
Surrogate: Octacosane		114.5		60-140	%	02-OCT-12	02-OCT-12	R2447560
Report Remarks : Analysis compromised due to type of sample jar received. Loses may have occurred according to 511 Regulation. Sample has headspace.								
L1216448-57 19366 Sampled By: CLIENT on 10-SEP-12 Matrix: SOIL								
Physical Tests								
% Moisture		10.1		0.10	%	02-OCT-12	02-OCT-12	R2448063
Metals								
Arsenic (As)		8.5		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Cadmium (Cd)		<0.50		0.50	ug/g	02-OCT-12	04-OCT-12	R2449289
Chromium (Cr)		55.6		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Cobalt (Co)		6.6		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Copper (Cu)		20.7		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Lead (Pb)		5.2		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters		Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L1216448-57 19366 Sampled By: CLIENT on 10-SEP-12 Matrix: SOIL								
Metals								
Mercury (Hg)		<0.010		0.010	mg/kg	02-OCT-12	03-OCT-12	R2448748
Nickel (Ni)		21.3		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Zinc (Zn)		63.2		5.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Polychlorinated Biphenyls								
Aroclor 1242		<0.010		0.010	mg/kg	04-OCT-12	05-OCT-12	R2449971
Aroclor 1248		<0.010		0.010	mg/kg	04-OCT-12	05-OCT-12	R2449971
Aroclor 1254		<0.010		0.010	mg/kg	04-OCT-12	05-OCT-12	R2449971
Aroclor 1260		<0.010		0.010	mg/kg	04-OCT-12	05-OCT-12	R2449971
Total PCBs		<0.020		0.020	mg/kg	04-OCT-12	05-OCT-12	R2449971
Surrogate: d14-Terphenyl		106.5		50-150	%	04-OCT-12	05-OCT-12	R2449971
L1216448-58 19367 Sampled By: CLIENT on 10-SEP-12 Matrix: SOIL								
Physical Tests								
% Moisture		9.70		0.10	%	02-OCT-12	02-OCT-12	R2448063
Hydrocarbons								
F1 (C6-C10)		<5.0	ABL	5.0	ug/g	01-OCT-12	03-OCT-12	R2448195
F2 (C10-C16)		<10		10	ug/g	05-OCT-12	05-OCT-12	R2449964
F3 (C16-C34)		<50		50	ug/g	05-OCT-12	05-OCT-12	R2449964
F4 (C34-C50)		<50		50	ug/g	05-OCT-12	05-OCT-12	R2449964
Total Hydrocarbons (C6-C50)		<50		50	ug/g		05-OCT-12	
Chrom. to baseline at nC50		YES				05-OCT-12	05-OCT-12	R2449964
Surrogate: 2-Bromobenzotrifluoride		80.3		60-140	%	05-OCT-12	05-OCT-12	R2449964
Surrogate: 3,4-Dichlorotoluene		63.7		50-140	%	01-OCT-12	03-OCT-12	R2448195
Surrogate: Octacosane		93.4		60-140	%	05-OCT-12	05-OCT-12	R2449964
Report Remarks : Analysis compromised due to type of sample jar received. Loses may have occurred according to 511 Regulation. Sample has headspace.								
L1216448-59 19368 Sampled By: CLIENT on 10-SEP-12 Matrix: SOIL								
Physical Tests								
% Moisture		18.8		0.10	%	02-OCT-12	02-OCT-12	R2448063
Metals								
Arsenic (As)		16.0		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Cadmium (Cd)		<0.50		0.50	ug/g	02-OCT-12	04-OCT-12	R2449289
Chromium (Cr)		83.7		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Cobalt (Co)		9.8		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Copper (Cu)		55.2		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Lead (Pb)		7.2		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Mercury (Hg)		<0.010		0.010	mg/kg	02-OCT-12	03-OCT-12	R2448748
Nickel (Ni)		38.3		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Zinc (Zn)		97.0		5.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Polychlorinated Biphenyls								

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters		Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L1216448-59 19368 Sampled By: CLIENT on 10-SEP-12 Matrix: SOIL Polychlorinated Biphenyls Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260 Total PCBs Surrogate: d14-Terphenyl		<0.010 <0.010 <0.010 <0.010 <0.020 107.1		0.010 0.010 0.010 0.010 0.020 50-150	mg/kg mg/kg mg/kg mg/kg mg/kg %	04-OCT-12 04-OCT-12 04-OCT-12 04-OCT-12 04-OCT-12 04-OCT-12	05-OCT-12 05-OCT-12 05-OCT-12 05-OCT-12 05-OCT-12 05-OCT-12	R2449971 R2449971 R2449971 R2449971 R2449971 R2449971
L1216448-60 19369 Sampled By: CLIENT on 10-SEP-12 Matrix: SOIL Physical Tests % Moisture Hydrocarbons F1 (C6-C10) F2 (C10-C16) F3 (C16-C34) F4 (C34-C50) Total Hydrocarbons (C6-C50) Chrom. to baseline at nC50 Surrogate: 2-Bromobenzotrifluoride Surrogate: 3,4-Dichlorotoluene Surrogate: Octacosane Report Remarks : Analysis compromised due to type of sample jar received. Losses may have occurred according to 511 Regulation. Sample has headspace.		17.5 <5.0 <10 <50 <50 <50 YES 83.2 75.0 112.0	ABL	0.10 5.0 10 50 50 50 60-140 50-140 60-140	% ug/g ug/g ug/g ug/g ug/g % % %	02-OCT-12 01-OCT-12 05-OCT-12 05-OCT-12 05-OCT-12 05-OCT-12 05-OCT-12 01-OCT-12 05-OCT-12	02-OCT-12 03-OCT-12 05-OCT-12 05-OCT-12 05-OCT-12 05-OCT-12 05-OCT-12 03-OCT-12 05-OCT-12	R2448063 R2448195 R2450221 R2450221 R2450221 R2450221 R2450221 R2448195 R2450221
L1216448-61 19370 Sampled By: CLIENT on 10-SEP-12 Matrix: SOIL Physical Tests % Moisture Metals Arsenic (As) Cadmium (Cd) Chromium (Cr) Cobalt (Co) Copper (Cu) Lead (Pb) Mercury (Hg) Nickel (Ni) Zinc (Zn) Polychlorinated Biphenyls Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260		17.9 20.5 <0.50 77.5 8.7 40.6 7.7 <0.010 31.3 74.8 <0.010 <0.010 <0.010 <0.010		0.10 1.0 0.50 1.0 1.0 1.0 1.0 0.010 1.0 5.0 0.010 0.010 0.010 0.010	% ug/g ug/g ug/g ug/g ug/g ug/g mg/kg ug/g ug/g mg/kg mg/kg mg/kg mg/kg	02-OCT-12 02-OCT-12 02-OCT-12 02-OCT-12 02-OCT-12 02-OCT-12 02-OCT-12 02-OCT-12 02-OCT-12 02-OCT-12 04-OCT-12 04-OCT-12 04-OCT-12 04-OCT-12	02-OCT-12 04-OCT-12 04-OCT-12 04-OCT-12 04-OCT-12 04-OCT-12 04-OCT-12 03-OCT-12 04-OCT-12 04-OCT-12 05-OCT-12 05-OCT-12 05-OCT-12 05-OCT-12	R2448063 R2449289 R2449289 R2449289 R2449289 R2449289 R2449289 R2448748 R2449289 R2449289 R2449971 R2449971 R2449971 R2449971

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters		Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L1216448-61 19370 Sampled By: CLIENT on 10-SEP-12 Matrix: SOIL Polychlorinated Biphenyls								
	Total PCBs	<0.020		0.020	mg/kg	04-OCT-12	05-OCT-12	R2449971
	Surrogate: d14-Terphenyl	115.3		50-150	%	04-OCT-12	05-OCT-12	R2449971
L1216448-62 19371 Sampled By: CLIENT on 10-SEP-12 Matrix: SOIL Physical Tests % Moisture Hydrocarbons F1 (C6-C10) F2 (C10-C16) F3 (C16-C34) F4 (C34-C50) Total Hydrocarbons (C6-C50) Chrom. to baseline at nC50 Surrogate: 2-Bromobenzotrifluoride Surrogate: 3,4-Dichlorotoluene Surrogate: Octacosane Report Remarks : Analysis compromised due to type of sample jar received. Loses may have occurred according to 511 Regulation. Sample has headspace.								
	% Moisture	20.9		0.10	%	02-OCT-12	02-OCT-12	R2448063
	F1 (C6-C10)	<5.0	ABL	5.0	ug/g	01-OCT-12	03-OCT-12	R2448195
	F2 (C10-C16)	<10		10	ug/g	05-OCT-12	05-OCT-12	R2450221
	F3 (C16-C34)	<50		50	ug/g	05-OCT-12	05-OCT-12	R2450221
	F4 (C34-C50)	<50		50	ug/g	05-OCT-12	05-OCT-12	R2450221
	Total Hydrocarbons (C6-C50)	<50		50	ug/g		05-OCT-12	
	Chrom. to baseline at nC50	YES				05-OCT-12	05-OCT-12	R2450221
	Surrogate: 2-Bromobenzotrifluoride	85.5		60-140	%	05-OCT-12	05-OCT-12	R2450221
	Surrogate: 3,4-Dichlorotoluene	71.1		50-140	%	01-OCT-12	03-OCT-12	R2448195
	Surrogate: Octacosane	101.6		60-140	%	05-OCT-12	05-OCT-12	R2450221
	Report Remarks : Analysis compromised due to type of sample jar received. Loses may have occurred according to 511 Regulation. Sample has headspace.							
	L1216448-63 19372 Sampled By: CLIENT on 10-SEP-12 Matrix: SOIL Physical Tests % Moisture Metals Arsenic (As) Cadmium (Cd) Chromium (Cr) Cobalt (Co) Copper (Cu) Lead (Pb) Mercury (Hg) Nickel (Ni) Zinc (Zn) Polychlorinated Biphenyls Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260 Total PCBs Surrogate: d14-Terphenyl							
% Moisture		14.1		0.10	%	02-OCT-12	02-OCT-12	R2448063
Arsenic (As)		21.5		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Cadmium (Cd)		<0.50		0.50	ug/g	02-OCT-12	04-OCT-12	R2449289
Chromium (Cr)		90.6		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Cobalt (Co)		12.3		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Copper (Cu)		55.5		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Lead (Pb)		9.6		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Mercury (Hg)		<0.010		0.010	mg/kg	02-OCT-12	03-OCT-12	R2448748
Nickel (Ni)		39.1		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Zinc (Zn)		91.6		5.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Aroclor 1242		<0.010		0.010	mg/kg	04-OCT-12	05-OCT-12	R2449971
Aroclor 1248		<0.010		0.010	mg/kg	04-OCT-12	05-OCT-12	R2449971
Aroclor 1254		<0.010		0.010	mg/kg	04-OCT-12	05-OCT-12	R2449971
Aroclor 1260		<0.010		0.010	mg/kg	04-OCT-12	05-OCT-12	R2449971
Total PCBs		<0.020		0.020	mg/kg	04-OCT-12	05-OCT-12	R2449971
Surrogate: d14-Terphenyl		115.4		50-150	%	04-OCT-12	05-OCT-12	R2449971
L1216448-64 19374A Sampled By: CLIENT on 10-SEP-12 Matrix:								

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters		Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L1216448-64 19374A Sampled By: CLIENT on 10-SEP-12 Matrix: SOIL								
Physical Tests								
% Moisture		13.8		0.10	%	02-OCT-12	02-OCT-12	R2448063
Hydrocarbons								
F1 (C6-C10)		<5.0		5.0	ug/g	01-OCT-12	04-OCT-12	R2448195
F2 (C10-C16)		<10		10	ug/g	05-OCT-12	05-OCT-12	R2450221
F3 (C16-C34)		<50		50	ug/g	05-OCT-12	05-OCT-12	R2450221
F4 (C34-C50)		<50		50	ug/g	05-OCT-12	05-OCT-12	R2450221
Total Hydrocarbons (C6-C50)		<50		50	ug/g		05-OCT-12	
Chrom. to baseline at nC50		YES				05-OCT-12	05-OCT-12	R2450221
Surrogate: 2-Bromobenzotrifluoride		81.4		60-140	%	05-OCT-12	05-OCT-12	R2450221
Surrogate: 3,4-Dichlorotoluene		122.9		50-140	%	01-OCT-12	04-OCT-12	R2448195
Surrogate: Octacosane		100.8		60-140	%	05-OCT-12	05-OCT-12	R2450221
L1216448-65 19374B Sampled By: CLIENT on 10-SEP-12 Matrix: SOIL								
Physical Tests								
% Moisture		19.4		0.10	%	02-OCT-12	02-OCT-12	R2448063
Hydrocarbons								
F1 (C6-C10)		<5.0		5.0	ug/g	01-OCT-12	04-OCT-12	R2448195
F2 (C10-C16)		<10		10	ug/g	05-OCT-12	05-OCT-12	R2450221
F3 (C16-C34)		<50		50	ug/g	05-OCT-12	05-OCT-12	R2450221
F4 (C34-C50)		<50		50	ug/g	05-OCT-12	05-OCT-12	R2450221
Total Hydrocarbons (C6-C50)		<50		50	ug/g		05-OCT-12	
Chrom. to baseline at nC50		YES				05-OCT-12	05-OCT-12	R2450221
Surrogate: 2-Bromobenzotrifluoride		77.9		60-140	%	05-OCT-12	05-OCT-12	R2450221
Surrogate: 3,4-Dichlorotoluene		122.2		50-140	%	01-OCT-12	04-OCT-12	R2448195
Surrogate: Octacosane		90.0		60-140	%	05-OCT-12	05-OCT-12	R2450221
L1216448-66 19374C Sampled By: CLIENT on 10-SEP-12 Matrix: SOIL								
Physical Tests								
% Moisture		17.3		0.10	%	02-OCT-12	02-OCT-12	R2448063
Polychlorinated Biphenyls								
Aroclor 1242		<0.010		0.010	mg/kg	04-OCT-12	05-OCT-12	R2449971
Aroclor 1248		<0.010		0.010	mg/kg	04-OCT-12	05-OCT-12	R2449971
Aroclor 1254		<0.010		0.010	mg/kg	04-OCT-12	05-OCT-12	R2449971
Aroclor 1260		<0.010		0.010	mg/kg	04-OCT-12	05-OCT-12	R2449971
Total PCBs		<0.020		0.020	mg/kg	04-OCT-12	05-OCT-12	R2449971
Surrogate: d14-Terphenyl		126.7		50-150	%	04-OCT-12	05-OCT-12	R2449971
L1216448-67 19374 Sampled By: CLIENT on 10-SEP-12 Matrix: SOIL								
Metals								
Arsenic (As)		23.9		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters		Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L1216448-67 19374 Sampled By: CLIENT on 10-SEP-12 Matrix: SOIL Metals								
	Cadmium (Cd)	<0.50		0.50	ug/g	02-OCT-12	04-OCT-12	R2449289
	Chromium (Cr)	112		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
	Cobalt (Co)	11.5		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
	Copper (Cu)	50.4		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
	Lead (Pb)	22.4		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
	Mercury (Hg)	<0.010		0.010	mg/kg	02-OCT-12	03-OCT-12	R2448748
	Nickel (Ni)	42.2		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
	Zinc (Zn)	91.4		5.0	ug/g	02-OCT-12	04-OCT-12	R2449289
L1216448-68 19375 Sampled By: CLIENT on 10-SEP-12 Matrix: SOIL Physical Tests								
	% Moisture	18.9		0.10	%	02-OCT-12	02-OCT-12	R2448063
	Hydrocarbons							
	F1 (C6-C10)	<5.0		5.0	ug/g	01-OCT-12	04-OCT-12	R2448195
	F2 (C10-C16)	<10		10	ug/g	05-OCT-12	05-OCT-12	R2450136
	F3 (C16-C34)	<50		50	ug/g	05-OCT-12	05-OCT-12	R2450136
	F4 (C34-C50)	<50		50	ug/g	05-OCT-12	05-OCT-12	R2450136
	Total Hydrocarbons (C6-C50)	<50		50	ug/g		05-OCT-12	
	Chrom. to baseline at nC50	YES				05-OCT-12	05-OCT-12	R2450136
	Surrogate: 2-Bromobenzotrifluoride	82.4		60-140	%	05-OCT-12	05-OCT-12	R2450136
	Surrogate: 3,4-Dichlorotoluene	128.7		50-140	%	01-OCT-12	04-OCT-12	R2448195
	Surrogate: Octacosane	102.7		60-140	%	05-OCT-12	05-OCT-12	R2450136
L1216448-69 19376 Sampled By: CLIENT on 10-SEP-12 Matrix: SOIL Physical Tests								
	% Moisture	19.7		0.10	%	02-OCT-12	02-OCT-12	R2448063
	Metals							
	Arsenic (As)	17.7		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
	Cadmium (Cd)	<0.50		0.50	ug/g	02-OCT-12	04-OCT-12	R2449289
	Chromium (Cr)	91.2		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
	Cobalt (Co)	10.8		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
	Copper (Cu)	42.0		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
	Lead (Pb)	8.1		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
	Mercury (Hg)	<0.010		0.010	mg/kg	02-OCT-12	03-OCT-12	R2448748
	Nickel (Ni)	38.6		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
	Zinc (Zn)	86.8		5.0	ug/g	02-OCT-12	04-OCT-12	R2449289
	Polychlorinated Biphenyls							
	Aroclor 1242	<0.010		0.010	mg/kg	04-OCT-12	05-OCT-12	R2449971
	Aroclor 1248	<0.010		0.010	mg/kg	04-OCT-12	05-OCT-12	R2449971
	Aroclor 1254	<0.010		0.010	mg/kg	04-OCT-12	05-OCT-12	R2449971

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters		Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L1216448-69 19376 Sampled By: CLIENT on 10-SEP-12 Matrix: SOIL Polychlorinated Biphenyls Aroclor 1260 Total PCBs Surrogate: d14-Terphenyl								
		<0.010		0.010	mg/kg	04-OCT-12	05-OCT-12	R2449971
		<0.020		0.020	mg/kg	04-OCT-12	05-OCT-12	R2449971
		123.4		50-150	%	04-OCT-12	05-OCT-12	R2449971
L1216448-70 19377 Sampled By: CLIENT on 10-SEP-12 Matrix: SOIL Physical Tests % Moisture Hydrocarbons F1 (C6-C10) F2 (C10-C16) F3 (C16-C34) F4 (C34-C50) Total Hydrocarbons (C6-C50) Chrom. to baseline at nC50 Surrogate: 2-Bromobenzotrifluoride Surrogate: 3,4-Dichlorotoluene Surrogate: Octacosane Report Remarks : Analysis compromised due to type of sample jar received. Loses may have occurred according to 511 Regulation. Sample has headspace.								
		18.4		0.10	%	02-OCT-12	02-OCT-12	R2448063
			ABL					
		<5.0		5.0	ug/g	02-OCT-12	03-OCT-12	R2447731
		<10		10	ug/g	05-OCT-12	05-OCT-12	R2450136
		<50		50	ug/g	05-OCT-12	05-OCT-12	R2450136
		<50		50	ug/g	05-OCT-12	05-OCT-12	R2450136
		<50		50	ug/g		05-OCT-12	
		YES				05-OCT-12	05-OCT-12	R2450136
		83.6		60-140	%	05-OCT-12	05-OCT-12	R2450136
		113.7		50-140	%	02-OCT-12	03-OCT-12	R2447731
		103.9		60-140	%	05-OCT-12	05-OCT-12	R2450136
		Report Remarks : Analysis compromised due to type of sample jar received. Loses may have occurred according to 511 Regulation. Sample has headspace.						
L1216448-71 19378 Sampled By: CLIENT on 10-SEP-12 Matrix: SOIL Physical Tests % Moisture Metals Arsenic (As) Cadmium (Cd) Chromium (Cr) Cobalt (Co) Copper (Cu) Lead (Pb) Mercury (Hg) Nickel (Ni) Zinc (Zn) Polychlorinated Biphenyls Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260 Total PCBs Surrogate: d14-Terphenyl								
		16.5		0.10	%	02-OCT-12	02-OCT-12	R2448063
		18.9		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
		<0.50		0.50	ug/g	02-OCT-12	04-OCT-12	R2449289
		110		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
		11.7		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
		51.5		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
		8.5		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
		<0.010		0.010	mg/kg	02-OCT-12	03-OCT-12	R2448748
		43.4		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
		94.8		5.0	ug/g	02-OCT-12	04-OCT-12	R2449289
		<0.010		0.010	mg/kg	04-OCT-12	05-OCT-12	R2449971
		<0.010		0.010	mg/kg	04-OCT-12	05-OCT-12	R2449971
		<0.010		0.010	mg/kg	04-OCT-12	05-OCT-12	R2449971
		<0.010		0.010	mg/kg	04-OCT-12	05-OCT-12	R2449971
		<0.020		0.020	mg/kg	04-OCT-12	05-OCT-12	R2449971
		123.6		50-150	%	04-OCT-12	05-OCT-12	R2449971
L1216448-72 19379								

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

Sample Details/Parameters		Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L1216448-72	19379 Sampled By: CLIENT on 10-SEP-12 Matrix: SOIL Physical Tests % Moisture Hydrocarbons F1 (C6-C10) F2 (C10-C16) F3 (C16-C34) F4 (C34-C50) Total Hydrocarbons (C6-C50) Chrom. to baseline at nC50 Surrogate: 2-Bromobenzotrifluoride Surrogate: 3,4-Dichlorotoluene Surrogate: Octacosane Report Remarks : Analysis compromised due to type of sample jar received. Loses may have occurred according to 511 Regulation.	19.1	ABL	0.10	%	03-OCT-12	03-OCT-12	R2448892
L1216448-73	19380A Sampled By: CLIENT on 10-SEP-12 Matrix: SOIL Physical Tests % Moisture Polychlorinated Biphenyls Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260 Total PCBs Surrogate: d14-Terphenyl	11.4		0.10	%	03-OCT-12	03-OCT-12	R2448892
L1216448-74	19381A Sampled By: CLIENT on 10-SEP-12 Matrix: SOIL Physical Tests % Moisture Polychlorinated Biphenyls Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260 Total PCBs Surrogate: d14-Terphenyl	12.1		0.10	%	03-OCT-12	03-OCT-12	R2448892
L1216448-75	19381 Sampled By: CLIENT on 10-SEP-12 Matrix: SOIL Metals Arsenic (As) Cadmium (Cd) Chromium (Cr)	20.2		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters		Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L1216448-75 19381 Sampled By: CLIENT on 10-SEP-12 Matrix: SOIL								
Metals								
Cobalt (Co)		10.6		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Copper (Cu)		46.2		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Lead (Pb)		9.1		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Mercury (Hg)		<0.010		0.010	mg/kg	02-OCT-12	03-OCT-12	R2448748
Nickel (Ni)		40.3		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Zinc (Zn)		77.9		5.0	ug/g	02-OCT-12	04-OCT-12	R2449289
L1216448-76 19381B Sampled By: CLIENT on 10-SEP-12 Matrix: SOIL								
Physical Tests								
% Moisture		13.0		0.10	%	03-OCT-12	03-OCT-12	R2448892
Hydrocarbons								
F1 (C6-C10)		<5.0	ABL	5.0	ug/g	01-OCT-12	02-OCT-12	R2449740
F2 (C10-C16)		<10		10	ug/g	05-OCT-12	05-OCT-12	R2450136
F3 (C16-C34)		<50		50	ug/g	05-OCT-12	05-OCT-12	R2450136
F4 (C34-C50)		<50		50	ug/g	05-OCT-12	05-OCT-12	R2450136
Total Hydrocarbons (C6-C50)		<50		50	ug/g		05-OCT-12	
Chrom. to baseline at nC50		YES				05-OCT-12	05-OCT-12	R2450136
Surrogate: 2-Bromobenzotrifluoride		85.4		60-140	%	05-OCT-12	05-OCT-12	R2450136
Surrogate: 3,4-Dichlorotoluene		113.0		50-140	%	01-OCT-12	02-OCT-12	R2449740
Surrogate: Octacosane		111.1		60-140	%	05-OCT-12	05-OCT-12	R2450136
Report Remarks : Analysis compromised due to type of sample jar received. Losses may have occurred according to 511 Regulation.								
L1216448-77 19381C Sampled By: CLIENT on 10-SEP-12 Matrix: SOIL								
Physical Tests								
% Moisture		16.1		0.10	%	03-OCT-12	03-OCT-12	R2448892
Hydrocarbons								
F1 (C6-C10)		<5.0	ABL	5.0	ug/g	01-OCT-12	02-OCT-12	R2449740
F2 (C10-C16)		<10		10	ug/g	05-OCT-12	05-OCT-12	R2450136
F3 (C16-C34)		<50		50	ug/g	05-OCT-12	05-OCT-12	R2450136
F4 (C34-C50)		<50		50	ug/g	05-OCT-12	05-OCT-12	R2450136
Total Hydrocarbons (C6-C50)		<50		50	ug/g		05-OCT-12	
Chrom. to baseline at nC50		YES				05-OCT-12	05-OCT-12	R2450136
Surrogate: 2-Bromobenzotrifluoride		85.7		60-140	%	05-OCT-12	05-OCT-12	R2450136
Surrogate: 3,4-Dichlorotoluene		98.1		50-140	%	01-OCT-12	02-OCT-12	R2449740
Surrogate: Octacosane		106.9		60-140	%	05-OCT-12	05-OCT-12	R2450136
Report Remarks : Analysis compromised due to type of sample jar received. Losses may have occurred according to 511 Regulation.								
L1216448-78 19382 Sampled By: CLIENT on 10-SEP-12 Matrix: SOIL								
Physical Tests								
% Moisture		16.5		0.10	%	03-OCT-12	03-OCT-12	R2448892

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters		Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L1216448-78 19382 Sampled By: CLIENT on 10-SEP-12 Matrix: SOIL								
Metals								
Arsenic (As)		10.5		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Cadmium (Cd)		<0.50		0.50	ug/g	02-OCT-12	04-OCT-12	R2449289
Chromium (Cr)		62.8		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Cobalt (Co)		7.4		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Copper (Cu)		30.9		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Lead (Pb)		7.4		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Mercury (Hg)		<0.010		0.010	mg/kg	02-OCT-12	03-OCT-12	R2448748
Nickel (Ni)		24.8		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Zinc (Zn)		61.4		5.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Polychlorinated Biphenyls								
Aroclor 1242		<0.010		0.010	mg/kg	04-OCT-12	05-OCT-12	R2449971
Aroclor 1248		<0.010		0.010	mg/kg	04-OCT-12	05-OCT-12	R2449971
Aroclor 1254		<0.010		0.010	mg/kg	04-OCT-12	05-OCT-12	R2449971
Aroclor 1260		<0.010		0.010	mg/kg	04-OCT-12	05-OCT-12	R2449971
Total PCBs		<0.020		0.020	mg/kg	04-OCT-12	05-OCT-12	R2449971
Surrogate: d14-Terphenyl		116.8		50-150	%	04-OCT-12	05-OCT-12	R2449971
L1216448-79 19383 Sampled By: CLIENT on 10-SEP-12 Matrix: SOIL								
Physical Tests								
% Moisture		22.3		0.10	%	03-OCT-12	03-OCT-12	R2448892
Hydrocarbons								
F1 (C6-C10)		<5.0	ABL	5.0	ug/g	01-OCT-12	02-OCT-12	R2449740
F2 (C10-C16)		<10		10	ug/g	05-OCT-12	05-OCT-12	R2450136
F3 (C16-C34)		<50		50	ug/g	05-OCT-12	05-OCT-12	R2450136
F4 (C34-C50)		<50		50	ug/g	05-OCT-12	05-OCT-12	R2450136
Total Hydrocarbons (C6-C50)		<50		50	ug/g		05-OCT-12	
Chrom. to baseline at nC50		YES				05-OCT-12	05-OCT-12	R2450136
Surrogate: 2-Bromobenzotrifluoride		87.2		60-140	%	05-OCT-12	05-OCT-12	R2450136
Surrogate: 3,4-Dichlorotoluene		122.5		50-140	%	01-OCT-12	02-OCT-12	R2449740
Surrogate: Octacosane		106.0		60-140	%	05-OCT-12	05-OCT-12	R2450136
Report Remarks : Analysis compromised due to type of sample jar received. Loses may have occurred according to 511 Regulation.								
L1216448-80 19384 Sampled By: CLIENT on 10-SEP-12 Matrix: SOIL								
Physical Tests								
% Moisture		21.3		0.10	%	03-OCT-12	03-OCT-12	R2448892
Metals								
Arsenic (As)		26.4		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Cadmium (Cd)		<0.50		0.50	ug/g	02-OCT-12	04-OCT-12	R2449289
Chromium (Cr)		123		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Cobalt (Co)		14.4		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Copper (Cu)		48.8		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters		Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L1216448-80 19384 Sampled By: CLIENT on 10-SEP-12 Matrix: SOIL								
Metals								
Lead (Pb)		10.7		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Mercury (Hg)		<0.010		0.010	mg/kg	02-OCT-12	03-OCT-12	R2448748
Nickel (Ni)		51.2		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Zinc (Zn)		93.2		5.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Polychlorinated Biphenyls								
Aroclor 1242		<0.010		0.010	mg/kg	04-OCT-12	05-OCT-12	R2449971
Aroclor 1248		<0.010		0.010	mg/kg	04-OCT-12	05-OCT-12	R2449971
Aroclor 1254		<0.010		0.010	mg/kg	04-OCT-12	05-OCT-12	R2449971
Aroclor 1260		<0.010		0.010	mg/kg	04-OCT-12	05-OCT-12	R2449971
Total PCBs		<0.020		0.020	mg/kg	04-OCT-12	05-OCT-12	R2449971
Surrogate: d14-Terphenyl		111.8		50-150	%	04-OCT-12	05-OCT-12	R2449971
L1216448-81 19385 Sampled By: CLIENT on 10-SEP-12 Matrix: SOIL								
Physical Tests								
% Moisture		31.3		0.10	%	03-OCT-12	03-OCT-12	R2448892
Hydrocarbons								
F1 (C6-C10)		<5.0	ABL	5.0	ug/g	01-OCT-12	02-OCT-12	R2449740
F2 (C10-C16)		<10		10	ug/g	05-OCT-12	05-OCT-12	R2450136
F3 (C16-C34)		<50		50	ug/g	05-OCT-12	05-OCT-12	R2450136
F4 (C34-C50)		<50		50	ug/g	05-OCT-12	05-OCT-12	R2450136
Total Hydrocarbons (C6-C50)		<50		50	ug/g		05-OCT-12	
Chrom. to baseline at nC50		YES				05-OCT-12	05-OCT-12	R2450136
Surrogate: 2-Bromobenzotrifluoride		83.8		60-140	%	05-OCT-12	05-OCT-12	R2450136
Surrogate: 3,4-Dichlorotoluene		124.8		50-140	%	01-OCT-12	02-OCT-12	R2449740
Surrogate: Octacosane		102.8		60-140	%	05-OCT-12	05-OCT-12	R2450136
Report Remarks : Analysis compromised due to type of sample jar received. Loses may have occurred according to 511 Regulation.								
L1216448-82 19386 Sampled By: CLIENT on 10-SEP-12 Matrix: SOIL								
Physical Tests								
% Moisture		12.7		0.10	%	03-OCT-12	03-OCT-12	R2448892
Metals								
Arsenic (As)		15.5		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Cadmium (Cd)		<0.50		0.50	ug/g	02-OCT-12	04-OCT-12	R2449289
Chromium (Cr)		88.4		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Cobalt (Co)		9.3		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Copper (Cu)		30.2		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Lead (Pb)		6.9		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Mercury (Hg)		<0.010		0.010	mg/kg	02-OCT-12	03-OCT-12	R2448748
Nickel (Ni)		34.0		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Zinc (Zn)		68.9		5.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Polychlorinated Biphenyls								

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters		Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L1216448-82 19386 Sampled By: CLIENT on 10-SEP-12 Matrix: SOIL Polychlorinated Biphenyls Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260 Total PCBs Surrogate: d14-Terphenyl		<0.010 <0.010 <0.010 <0.010 <0.020 117.6		0.010 0.010 0.010 0.010 0.020 50-150	mg/kg mg/kg mg/kg mg/kg mg/kg %	04-OCT-12 04-OCT-12 04-OCT-12 04-OCT-12 04-OCT-12 04-OCT-12	05-OCT-12 05-OCT-12 05-OCT-12 05-OCT-12 05-OCT-12 05-OCT-12	R2449971 R2449971 R2449971 R2449971 R2449971 R2449971
L1216448-83 19387A Sampled By: CLIENT on 10-SEP-12 Matrix: SOIL Physical Tests % Moisture Hydrocarbons F1 (C6-C10) F2 (C10-C16) F3 (C16-C34) F4 (C34-C50) Total Hydrocarbons (C6-C50) Chrom. to baseline at nC50 Surrogate: 2-Bromobenzotrifluoride Surrogate: 3,4-Dichlorotoluene Surrogate: Octacosane Report Remarks : Analysis compromised due to type of sample jar received. Loses may have occurred according to 511 Regulation.		14.4 <5.0 <10 <50 <50 <50 YES 84.5 120.8 102.5	ABL	0.10 5.0 10 50 50 50 60-140 50-140 60-140	% ug/g ug/g ug/g ug/g % % %	03-OCT-12 01-OCT-12 05-OCT-12 05-OCT-12 05-OCT-12 05-OCT-12 05-OCT-12 05-OCT-12 01-OCT-12 05-OCT-12	03-OCT-12 02-OCT-12 05-OCT-12 05-OCT-12 05-OCT-12 05-OCT-12 05-OCT-12 05-OCT-12 02-OCT-12 05-OCT-12	R2448892 R2449740 R2450136 R2450136 R2450136 R2450136 R2449740 R2450136
L1216448-84 19388A Sampled By: CLIENT on 10-SEP-12 Matrix: SOIL Physical Tests % Moisture Polychlorinated Biphenyls Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260 Total PCBs Surrogate: d14-Terphenyl		32.0 <0.010 <0.010 0.017 <0.010 <0.020 123.8		0.10 0.010 0.010 0.010 0.010 0.020 50-150	% mg/kg mg/kg mg/kg mg/kg mg/kg %	03-OCT-12 04-OCT-12 04-OCT-12 04-OCT-12 04-OCT-12 04-OCT-12 04-OCT-12	03-OCT-12 05-OCT-12 05-OCT-12 05-OCT-12 05-OCT-12 05-OCT-12 05-OCT-12	R2448892 R2449971 R2449971 R2449971 R2449971 R2449971 R2449971
L1216448-85 19388 Sampled By: CLIENT on 10-SEP-12 Matrix: SOIL Metals Arsenic (As) Cadmium (Cd) Chromium (Cr) Cobalt (Co) Copper (Cu)		20.6 <0.50 77.0 10.1 47.4		1.0 0.50 1.0 1.0 1.0	ug/g ug/g ug/g ug/g ug/g	02-OCT-12 02-OCT-12 02-OCT-12 02-OCT-12 02-OCT-12	04-OCT-12 04-OCT-12 04-OCT-12 04-OCT-12 04-OCT-12	R2449289 R2449289 R2449289 R2449289 R2449289

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters		Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L1216448-85 19388 Sampled By: CLIENT on 10-SEP-12 Matrix: SOIL								
Metals								
Lead (Pb)		8.3		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Mercury (Hg)		0.016		0.010	mg/kg	02-OCT-12	03-OCT-12	R2448748
Nickel (Ni)		40.5		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Zinc (Zn)		73.8		5.0	ug/g	02-OCT-12	04-OCT-12	R2449289
L1216448-86 19388B Sampled By: CLIENT on 10-SEP-12 Matrix: SOIL								
Physical Tests								
% Moisture		31.6		0.10	%	03-OCT-12	03-OCT-12	R2448892
Hydrocarbons								
F1 (C6-C10)		<5.0	ABL	5.0	ug/g	01-OCT-12	02-OCT-12	R2449740
F2 (C10-C16)		<10		10	ug/g	05-OCT-12	05-OCT-12	R2450136
F3 (C16-C34)		<50		50	ug/g	05-OCT-12	05-OCT-12	R2450136
F4 (C34-C50)		<50		50	ug/g	05-OCT-12	05-OCT-12	R2450136
Total Hydrocarbons (C6-C50)		<50		50	ug/g		05-OCT-12	
Chrom. to baseline at nC50		YES				05-OCT-12	05-OCT-12	R2450136
Surrogate: 2-Bromobenzotrifluoride		79.4		60-140	%	05-OCT-12	05-OCT-12	R2450136
Surrogate: 3,4-Dichlorotoluene		116.2		50-140	%	01-OCT-12	02-OCT-12	R2449740
Surrogate: Octacosane		100.5		60-140	%	05-OCT-12	05-OCT-12	R2450136
Report Remarks : Analysis compromised due to type of sample jar received. Loses may have occurred according to 511 Regulation.								
L1216448-87 19388C Sampled By: CLIENT on 10-SEP-12 Matrix: SOIL								
Physical Tests								
% Moisture		29.5		0.10	%	03-OCT-12	03-OCT-12	R2448892
Hydrocarbons								
F1 (C6-C10)		<5.0	ABL	5.0	ug/g	01-OCT-12	02-OCT-12	R2449740
F2 (C10-C16)		<10		10	ug/g	05-OCT-12	05-OCT-12	R2450136
F3 (C16-C34)		<50		50	ug/g	05-OCT-12	05-OCT-12	R2450136
F4 (C34-C50)		<50		50	ug/g	05-OCT-12	05-OCT-12	R2450136
Total Hydrocarbons (C6-C50)		<50		50	ug/g		05-OCT-12	
Chrom. to baseline at nC50		YES				05-OCT-12	05-OCT-12	R2450136
Surrogate: 2-Bromobenzotrifluoride		80.0		60-140	%	05-OCT-12	05-OCT-12	R2450136
Surrogate: 3,4-Dichlorotoluene		122.6		50-140	%	01-OCT-12	02-OCT-12	R2449740
Surrogate: Octacosane		104.5		60-140	%	05-OCT-12	05-OCT-12	R2450136
Report Remarks : Analysis compromised due to type of sample jar received. Loses may have occurred according to 511 Regulation.								
L1216448-88 19389 Sampled By: CLIENT on 10-SEP-12 Matrix: SOIL								
Physical Tests								
% Moisture		26.9		0.10	%	03-OCT-12	03-OCT-12	R2448892
Metals								
Arsenic (As)		18.5		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters		Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L1216448-88 19389 Sampled By: CLIENT on 10-SEP-12 Matrix: SOIL								
Metals								
Cadmium (Cd)		<0.50		0.50	ug/g	02-OCT-12	04-OCT-12	R2449289
Chromium (Cr)		79.0		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Cobalt (Co)		9.8		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Copper (Cu)		49.2		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Lead (Pb)		9.8		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Mercury (Hg)		0.012		0.010	mg/kg	02-OCT-12	03-OCT-12	R2448748
Nickel (Ni)		39.4		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Zinc (Zn)		75.5		5.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Polychlorinated Biphenyls								
Aroclor 1242		<0.010		0.010	mg/kg	04-OCT-12	05-OCT-12	R2449971
Aroclor 1248		<0.010		0.010	mg/kg	04-OCT-12	05-OCT-12	R2449971
Aroclor 1254		0.030		0.010	mg/kg	04-OCT-12	05-OCT-12	R2449971
Aroclor 1260		<0.010		0.010	mg/kg	04-OCT-12	05-OCT-12	R2449971
Total PCBs		0.030		0.020	mg/kg	04-OCT-12	05-OCT-12	R2449971
Surrogate: d14-Terphenyl		138.0		50-150	%	04-OCT-12	05-OCT-12	R2449971
L1216448-89 19390 Sampled By: CLIENT on 10-SEP-12 Matrix: SOIL								
Physical Tests								
% Moisture		18.6		0.10	%	03-OCT-12	03-OCT-12	R2448892
Metals								
Arsenic (As)		33.3		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Cadmium (Cd)		<0.50		0.50	ug/g	02-OCT-12	04-OCT-12	R2449289
Chromium (Cr)		108		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Cobalt (Co)		12.0		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Copper (Cu)		51.0		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Lead (Pb)		9.5		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Mercury (Hg)		0.011		0.010	mg/kg	02-OCT-12	03-OCT-12	R2448748
Nickel (Ni)		47.8		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Zinc (Zn)		87.3		5.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Polychlorinated Biphenyls								
Aroclor 1242		<0.010		0.010	mg/kg	04-OCT-12	05-OCT-12	R2449971
Aroclor 1248		<0.010		0.010	mg/kg	04-OCT-12	05-OCT-12	R2449971
Aroclor 1254		<0.010		0.010	mg/kg	04-OCT-12	05-OCT-12	R2449971
Aroclor 1260		<0.010		0.010	mg/kg	04-OCT-12	05-OCT-12	R2449971
Total PCBs		<0.020		0.020	mg/kg	04-OCT-12	05-OCT-12	R2449971
Surrogate: d14-Terphenyl		118.0		50-150	%	04-OCT-12	05-OCT-12	R2449971
L1216448-90 19391 Sampled By: CLIENT on 10-SEP-12 Matrix: SOIL								
Physical Tests								
% Moisture		20.9		0.10	%	03-OCT-12	03-OCT-12	R2448892
Hydrocarbons								

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters		Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L1216448-90 19391 Sampled By: CLIENT on 10-SEP-12 Matrix: SOIL								
Hydrocarbons								
F1 (C6-C10)		<5.0	ABL	5.0	ug/g	01-OCT-12	02-OCT-12	R2449740
F2 (C10-C16)		<10		10	ug/g	05-OCT-12	05-OCT-12	R2450136
F3 (C16-C34)		<50		50	ug/g	05-OCT-12	05-OCT-12	R2450136
F4 (C34-C50)		<50		50	ug/g	05-OCT-12	05-OCT-12	R2450136
Total Hydrocarbons (C6-C50)		<50		50	ug/g		05-OCT-12	
Chrom. to baseline at nC50		YES				05-OCT-12	05-OCT-12	R2450136
Surrogate: 2-Bromobenzotrifluoride		80.2		60-140	%	05-OCT-12	05-OCT-12	R2450136
Surrogate: 3,4-Dichlorotoluene		110.7		50-140	%	01-OCT-12	02-OCT-12	R2449740
Surrogate: Octacosane		102.3		60-140	%	05-OCT-12	05-OCT-12	R2450136
Report Remarks : Analysis compromised due to type of sample jar received. Loses may have occurred according to 511 Regulation.								
L1216448-91 19392 Sampled By: CLIENT on 10-SEP-12 Matrix: SOIL								
Physical Tests								
% Moisture		14.5		0.10	%	02-OCT-12	02-OCT-12	R2448064
Metals								
Arsenic (As)		27.5		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Cadmium (Cd)		<0.50		0.50	ug/g	02-OCT-12	04-OCT-12	R2449289
Chromium (Cr)		103		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Cobalt (Co)		12.3		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Copper (Cu)		56.5		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Lead (Pb)		12.3		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Mercury (Hg)		<0.010		0.010	mg/kg	02-OCT-12	03-OCT-12	R2448748
Nickel (Ni)		41.9		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Zinc (Zn)		87.6		5.0	ug/g	02-OCT-12	04-OCT-12	R2449289
Polychlorinated Biphenyls								
Aroclor 1242		<0.010		0.010	mg/kg	04-OCT-12	04-OCT-12	R2449159
Aroclor 1248		<0.010		0.010	mg/kg	04-OCT-12	04-OCT-12	R2449159
Aroclor 1254		<0.010		0.010	mg/kg	04-OCT-12	04-OCT-12	R2449159
Aroclor 1260		<0.010		0.010	mg/kg	04-OCT-12	04-OCT-12	R2449159
Total PCBs		<0.020		0.020	mg/kg	04-OCT-12	04-OCT-12	R2449159
Surrogate: d14-Terphenyl		118.8		50-150	%	04-OCT-12	04-OCT-12	R2449159
L1216448-92 19393 Sampled By: CLIENT on 10-SEP-12 Matrix: SOIL								
Physical Tests								
% Moisture		14.2		0.10	%	03-OCT-12	03-OCT-12	R2448892
Hydrocarbons								
F1 (C6-C10)		<5.0	ABL	5.0	ug/g	01-OCT-12	02-OCT-12	R2449740
F2 (C10-C16)		<10		10	ug/g	05-OCT-12	05-OCT-12	R2450136
F3 (C16-C34)		<50		50	ug/g	05-OCT-12	05-OCT-12	R2450136
F4 (C34-C50)		<50		50	ug/g	05-OCT-12	05-OCT-12	R2450136
Total Hydrocarbons (C6-C50)		<50		50	ug/g		05-OCT-12	

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters		Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L1216448-92 19393 Sampled By: CLIENT on 10-SEP-12 Matrix: SOIL Hydrocarbons Chrom. to baseline at nC50 Surrogate: 2-Bromobenzotrifluoride Surrogate: 3,4-Dichlorotoluene Surrogate: Octacosane Report Remarks : Analysis compromised due to type of sample jar received. Loses may have occurred according to 511 Regulation.		YES 80.6 107.4 109.2		 60-140 50-140 60-140	 % % %	 05-OCT-12 05-OCT-12 01-OCT-12 05-OCT-12	 05-OCT-12 05-OCT-12 02-OCT-12 05-OCT-12	 R2450136 R2450136 R2449740 R2450136
L1216448-93 19394A Sampled By: CLIENT on 10-SEP-12 Matrix: SOIL Physical Tests % Moisture Polychlorinated Biphenyls Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260 Total PCBs Surrogate: d14-Terphenyl		14.5 <0.010 <0.010 <0.010 <0.010 <0.020 109.9		0.10 0.010 0.010 0.010 0.010 0.020 50-150	% mg/kg mg/kg mg/kg mg/kg mg/kg %	02-OCT-12 04-OCT-12 04-OCT-12 04-OCT-12 04-OCT-12 04-OCT-12 04-OCT-12	02-OCT-12 04-OCT-12 04-OCT-12 04-OCT-12 04-OCT-12 04-OCT-12 04-OCT-12	R2448064 R2449159 R2449159 R2449159 R2449159 R2449159 R2449159
L1216448-94 19495A Sampled By: CLIENT on 10-SEP-12 Matrix: SOIL Physical Tests % Moisture Hydrocarbons F1 (C6-C10) F2 (C10-C16) F3 (C16-C34) F4 (C34-C50) Total Hydrocarbons (C6-C50) Chrom. to baseline at nC50 Surrogate: 2-Bromobenzotrifluoride Surrogate: 3,4-Dichlorotoluene Surrogate: Octacosane Report Remarks : Analysis compromised due to type of sample jar received. Loses may have occurred according to 511 Regulation.		11.6 <5.0 <10 <50 <50 <50 YES 79.4 114.7 101.2	ABL	0.10 5.0 10 50 50 50 60-140 50-140 60-140	% ug/g ug/g ug/g ug/g % % %	03-OCT-12 01-OCT-12 05-OCT-12 05-OCT-12 05-OCT-12 05-OCT-12 05-OCT-12 01-OCT-12 05-OCT-12	03-OCT-12 02-OCT-12 05-OCT-12 05-OCT-12 05-OCT-12 05-OCT-12 05-OCT-12 02-OCT-12 05-OCT-12	R2448892 R2449740 R2450136 R2450136 R2450136 R2450136 R2450136 R2449740 R2450136
L1216448-95 19495B Sampled By: CLIENT on 10-SEP-12 Matrix: SOIL Physical Tests % Moisture Polychlorinated Biphenyls Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260		15.9 <0.010 <0.010 <0.010 <0.010		0.10 0.010 0.010 0.010 0.010	% mg/kg mg/kg mg/kg mg/kg	02-OCT-12 04-OCT-12 04-OCT-12 04-OCT-12 04-OCT-12	02-OCT-12 04-OCT-12 04-OCT-12 04-OCT-12 04-OCT-12	R2448064 R2449159 R2449159 R2449159 R2449159

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters		Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L1216448-95 19495B Sampled By: CLIENT on 10-SEP-12 Matrix: SOIL Polychlorinated Biphenyls								
	Total PCBs	<0.020		0.020	mg/kg	04-OCT-12	04-OCT-12	R2449159
	Surrogate: d14-Terphenyl	121.3		50-150	%	04-OCT-12	04-OCT-12	R2449159
L1216448-96 19495 Sampled By: CLIENT on 10-SEP-12 Matrix: SOIL Metals								
	Arsenic (As)	24.4		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
	Cadmium (Cd)	<0.50		0.50	ug/g	02-OCT-12	04-OCT-12	R2449289
	Chromium (Cr)	104		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
	Cobalt (Co)	13.6		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
	Copper (Cu)	55.3		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
	Lead (Pb)	12.0		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
	Mercury (Hg)	<0.010		0.010	mg/kg	02-OCT-12	03-OCT-12	R2448748
	Nickel (Ni)	47.0		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
	Zinc (Zn)	96.1		5.0	ug/g	02-OCT-12	04-OCT-12	R2449289
	L1216448-97 19495C Sampled By: CLIENT on 10-SEP-12 Matrix: SOIL Physical Tests							
% Moisture		15.3		0.10	%	03-OCT-12	03-OCT-12	R2448892
Hydrocarbons								
F1 (C6-C10)		<5.0	ABL	5.0	ug/g	01-OCT-12	02-OCT-12	R2449740
F2 (C10-C16)		<10		10	ug/g	05-OCT-12	05-OCT-12	R2450136
F3 (C16-C34)		<50		50	ug/g	05-OCT-12	05-OCT-12	R2450136
F4 (C34-C50)		<50		50	ug/g	05-OCT-12	05-OCT-12	R2450136
Total Hydrocarbons (C6-C50)		<50		50	ug/g		05-OCT-12	
Chrom. to baseline at nC50		YES				05-OCT-12	05-OCT-12	R2450136
Surrogate: 2-Bromobenzotrifluoride		81.5		60-140	%	05-OCT-12	05-OCT-12	R2450136
Surrogate: 3,4-Dichlorotoluene		101.8		50-140	%	01-OCT-12	02-OCT-12	R2449740
Surrogate: Octacosane		102.2		60-140	%	05-OCT-12	05-OCT-12	R2450136
Report Remarks : Analysis compromised due to type of sample jar received. Loses may have occurred according to 511 Regulation.								
L1216448-98 19496 Sampled By: CLIENT on 10-SEP-12 Matrix: SOIL Physical Tests								
	% Moisture	13.7		0.10	%	03-OCT-12	03-OCT-12	R2448887
	Metals							
	Arsenic (As)	16.7		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
	Cadmium (Cd)	<0.50		0.50	ug/g	02-OCT-12	04-OCT-12	R2449289
	Chromium (Cr)	88.0		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
	Cobalt (Co)	10.1		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
	Copper (Cu)	36.6		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
	Lead (Pb)	7.2		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters		Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L1216448-98 19496 Sampled By: CLIENT on 10-SEP-12 Matrix: SOIL Metals Mercury (Hg) Nickel (Ni) Zinc (Zn) Polychlorinated Biphenyls Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260 Total PCBs Surrogate: d14-Terphenyl								
		<0.010		0.010	mg/kg	02-OCT-12	03-OCT-12	R2448748
		36.4		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
		76.6		5.0	ug/g	02-OCT-12	04-OCT-12	R2449289
		<0.010		0.010	mg/kg	04-OCT-12	04-OCT-12	R2449159
		<0.010		0.010	mg/kg	04-OCT-12	04-OCT-12	R2449159
		<0.010		0.010	mg/kg	04-OCT-12	04-OCT-12	R2449159
		<0.010		0.010	mg/kg	04-OCT-12	04-OCT-12	R2449159
		<0.020		0.020	mg/kg	04-OCT-12	04-OCT-12	R2449159
		125.9		50-150	%	04-OCT-12	04-OCT-12	R2449159
L1216448-99 19497 Sampled By: CLIENT on 10-SEP-12 Matrix: SOIL Physical Tests % Moisture Hydrocarbons F1 (C6-C10) F2 (C10-C16) F3 (C16-C34) F4 (C34-C50) Total Hydrocarbons (C6-C50) Chrom. to baseline at nC50 Surrogate: 2-Bromobenzotrifluoride Surrogate: 3,4-Dichlorotoluene Surrogate: Octacosane Report Remarks : Analysis compromised due to type of sample jar received. Losses may have occurred according to 511 Regulation.								
		15.8		0.10	%	03-OCT-12	03-OCT-12	R2448887
		<5.0	ABL	5.0	ug/g	01-OCT-12	02-OCT-12	R2449740
		<10		10	ug/g	05-OCT-12	05-OCT-12	R2450136
		<50		50	ug/g	05-OCT-12	05-OCT-12	R2450136
		<50		50	ug/g	05-OCT-12	05-OCT-12	R2450136
		<50		50	ug/g		05-OCT-12	
		YES				05-OCT-12	05-OCT-12	R2450136
		82.1		60-140	%	05-OCT-12	05-OCT-12	R2450136
		99.8		50-140	%	01-OCT-12	02-OCT-12	R2449740
		105.3		60-140	%	05-OCT-12	05-OCT-12	R2450136
L1216448-100 19498 Sampled By: CLIENT on 10-SEP-12 Matrix: SOIL Physical Tests % Moisture Metals Arsenic (As) Cadmium (Cd) Chromium (Cr) Cobalt (Co) Copper (Cu) Lead (Pb) Mercury (Hg) Nickel (Ni) Zinc (Zn) Polychlorinated Biphenyls Aroclor 1242								
		15.9		0.10	%	03-OCT-12	03-OCT-12	R2448887
		21.3		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
		<0.50		0.50	ug/g	02-OCT-12	04-OCT-12	R2449289
		104		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
		12.7		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
		48.9		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
		9.7		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
		<0.010		0.010	mg/kg	02-OCT-12	03-OCT-12	R2448748
		44.8		1.0	ug/g	02-OCT-12	04-OCT-12	R2449289
		103		5.0	ug/g	02-OCT-12	04-OCT-12	R2449289
		<0.010		0.010	mg/kg	04-OCT-12	04-OCT-12	R2449159

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L1216448-100 19498 Sampled By: CLIENT on 10-SEP-12 Matrix: SOIL Polychlorinated Biphenyls Aroclor 1248 Aroclor 1254 Aroclor 1260 Total PCBs Surrogate: d14-Terphenyl	<0.010 <0.010 <0.010 <0.020 121.2		0.010 0.010 0.010 0.020 50-150	mg/kg mg/kg mg/kg mg/kg %	04-OCT-12 04-OCT-12 04-OCT-12 04-OCT-12 04-OCT-12	04-OCT-12 04-OCT-12 04-OCT-12 04-OCT-12 04-OCT-12	R2449159 R2449159 R2449159 R2449159 R2449159
L1216448-101 19499 Sampled By: CLIENT on 10-SEP-12 Matrix: SOIL Physical Tests % Moisture Hydrocarbons F1 (C6-C10) F2 (C10-C16) F3 (C16-C34) F4 (C34-C50) Total Hydrocarbons (C6-C50) Chrom. to baseline at nC50 Surrogate: 2-Bromobenzotrifluoride Surrogate: 3,4-Dichlorotoluene Surrogate: Octacosane Report Remarks : Analysis compromised due to type of sample jar received. Loses may have occurred according to 511 Regulation.	17.4 <5.0 <10 <50 <50 <50 YES 85.0 99.8 107.1	ABL	0.10 5.0 10 50 50 50	% ug/g ug/g ug/g ug/g % % %	03-OCT-12 01-OCT-12 05-OCT-12 05-OCT-12 05-OCT-12 05-OCT-12 05-OCT-12 05-OCT-12 01-OCT-12 05-OCT-12	03-OCT-12 02-OCT-12 05-OCT-12 05-OCT-12 05-OCT-12 05-OCT-12 05-OCT-12 05-OCT-12 02-OCT-12 05-OCT-12	R2448887 R2449740 R2450136 R2450136 R2450136 R2450136 R2450136 R2449740 R2450136

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

QC Samples with Qualifiers & Comments:

QC Type	Description	Parameter	Qualifier	Applies to Sample Number(s)
Duplicate		F1 (C6-C10)	ABL	L1216448-30, -32, -34, -36, -38, -40, -42, -44, -46, -48, -50, -52, -54, -56, -58, -60, -62, -64, -65, -68
	Comments:	Analysis compromised due to type of sample jar received. Loses may have occurred according to 511 Regulation. Sample has headspace.		
Duplicate		F4 (C34-C50)	G	L1216448-12, -14, -16, -18, -20, -22, -24, -26, -28, -60, -62, -64, -65
	Comments:	The duplicate results are approaching the detection limits and therefore uncertainty increases.		
Duplicate		F3 (C16-C34)	J,G	L1216448-12, -14, -16, -18, -20, -22, -24, -26, -28, -60, -62, -64, -65
	Comments:	The duplicate results are approaching the detection limits and therefore uncertainty increases.		
Matrix Spike		F4 (C34-C50)	K	L1216448-12, -14, -16, -18, -20, -22, -24, -26, -28, -60, -62, -64, -65

Sample Parameter Qualifier key listed:

Qualifier	Description
ABL	Approximate Result: May Be Biased Low
DLIV	Detection Limit Adjusted: Lower Initial Volume
DLM	Detection Limit Adjusted For Sample Matrix Effects
G	QC result did not meet ALS DQO. Refer to narrative comments for further information.
J,G	QC result did not meet ALS DQO. Refer to narrative comments for further information. Duplicate expressed in terms of absolute difference.
K	Matrix Spike recovery outside ALS DQO due to sample matrix effects.
SOL:PP	Surrogate recovery outside acceptable limits due to prep process

Test Method References:

ALS Test Code	Matrix	Test Description	Method Reference**
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F1-F4-511-CALC-WT Soil F1-F4 Hydrocarbon Calculated CCME CWS-PHC DEC-2000 - PUB# 1310-S
Analytical methods used for analysis of Petroleum Hydrocarbons have been validated and comply with the Reference Method for the CWS PHC.

Hydrocarbon results are expressed on a dry weight basis.

In cases where results for both F4 and F4G are reported, the greater of the two results must be used in any application of the CWS PHC guidelines and the gravimetric heavy hydrocarbons cannot be added to the C6 to C50 hydrocarbons.
In samples where BTEX and F1 were analyzed , F1-BTEX represents a value where the sum of Benzene, Toluene, Ethylbenzene and total Xylenes has been subtracted from F1.

In samples where PAHs, F2 and F3 were analyzed, F2-Naphth represents the result where Naphthalene has been subtracted from F2. F3-PAH represents a result where the sum of Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Dibenzo(a,h)anthracene, Fluoranthene, Indeno(1,2,3-cd)pyrene, Phenanthrene, and Pyrene has been subtracted from F3.

Unless otherwise qualified, the following quality control criteria have been met for the F1 hydrocarbon range:

1. All extraction and analysis holding times were met.
2. Instrument performance showing response factors for C6 and C10 within 30% of the response factor for toluene.
3. Linearity of gasoline response within 15% throughout the calibration range.

Unless otherwise qualified, the following quality control criteria have been met for the F2-F4 hydrocarbon ranges:

1. All extraction and analysis holding times were met.
2. Instrument performance showing C10, C16 and C34 response factors within 10% of their average.
3. Instrument performance showing the C50 response factor within 30% of the average of the C10, C16 and C34 response factors.
4. Linearity of diesel or motor oil response within 15% throughout the calibration range.

F1-F4-511-CALC-WT Water F1-F4 Hydrocarbon Calculated CCME CWS-PHC DEC-2000 - PUB# 1310-L
Analytical methods used for analysis of Petroleum Hydrocarbons have been validated and comply with the Reference Method for the CWS PHC.

In cases where results for both F4 and F4G are reported, the greater of the two results must be used in any application of the CWS PHC guidelines and the gravimetric heavy hydrocarbons cannot be added to the C6 to C50 hydrocarbons.
In samples where BTEX and F1 were analyzed , F1-BTEX represents a value where the sum of Benzene, Toluene, Ethylbenzene and total Xylenes has been subtracted from F1.

In samples where PAHs, F2 and F3 were analyzed, F2-Naphth represents the result where Naphthalene has been subtracted from F2. F3-PAH represents a result where the sum of Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Dibenzo(a,h)anthracene, Fluoranthene, Indeno(1,2,3-cd)pyrene, Phenanthrene, and Pyrene has been subtracted from F3.

Unless otherwise qualified, the following quality control criteria have been met for the F1 hydrocarbon range:

1. All extraction and analysis holding times were met.
2. Instrument performance showing response factors for C6 and C10 within 30% of the response factor for toluene.
3. Linearity of gasoline response within 15% throughout the calibration range.

Unless otherwise qualified, the following quality control criteria have been met for the F2-F4 hydrocarbon ranges:

1. All extraction and analysis holding times were met.
2. Instrument performance showing C10, C16 and C34 response factors within 10% of their average.
3. Instrument performance showing the C50 response factor within 30% of the average of the C10, C16 and C34 response factors.
4. Linearity of diesel or motor oil response within 15% throughout the calibration range.

F1-HS-511-WT	Soil	F1-O.Reg 153/04 (July 2011)	E3398/CCME TIER 1-HS
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Fraction F1 is determined by extracting a soil or sediment sample as received with methanol, then analyzing by headspace-GC/FID.

Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011).

F2-F4-511-WT	Soil	F2-F4-O.Reg 153/04 (July 2011)	MOE DECPH-E3398/CCME TIER 1
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Fractions F2, F3 and F4 are determined by extracting a soil sample with a solvent mix. The solvent recovered from the extracted soil sample is dried and treated to remove polar material. The extract is analyzed by GC/FID.

Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011).

F2-F4-511-WT	Water	F2-F4-O.Reg 153/04 (July 2011)	MOE DECPH-E3398/CCME TIER 1
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Fractions F2, F3 and F4 are determined by liquid/liquid extraction with a solvent. The solvent recovered from the extracted sample is dried and treated to remove polar material. The extract is then analyzed by GC/FID.

Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011).

HG-TOT-WT	Water	Mercury (Hg)-Total	SW846 7470A
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HG-WT	Soil	Mercury by CVAA	EPA 7471
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MET-TOT-WT	Water	Metal Scan-Total	EPA 6020A
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The concentration of metals is determined on an unfiltered aqueous sample. The sample is digested with nitric acid and then analyzed directly by ICP-MS.

MET-UG/G-CCMS-WT	Soil	Metal Scan Collision Cell ICPMS	EPA 200.2/6020A
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Sample is vigorously digested with nitric acid and hydrogen peroxide. Analysis is conducted by ICP/MS.

MOISTURE-WT	Soil	% Moisture	Gravimetric: Oven Dried
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PCB-WT	Soil	Polychlorinated Biphenyls	EPA 8082
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A representative sub-sample of a soil sample is mixed with methanol and extracted with toluene using a shaker technique. An aliquot of the separated toluene is analyzed by GC/MSD.

PCB-WT	Water	Polychlorinated Biphenyls	EPA 8082
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PCBs are extracted from an aqueous sample at neutral pH with aliquots of dichloromethane using a modified separatory funnel technique. The extracts are analyzed by GC/MSD.

** ALS test methods may incorporate modifications from specified reference methods to improve performance.

The last two letters of the above test code(s) indicate the laboratory that performed analytical analysis for that test. Refer to the list below:

Laboratory Definition Code	Laboratory Location
WT	ALS ENVIRONMENTAL - WATERLOO, ONTARIO, CANADA

Chain of Custody Numbers:

Reference Information

GLOSSARY OF REPORT TERMS

Surrogates are compounds that are similar in behaviour to target analyte(s), but that do not normally occur in environmental samples. For applicable tests, surrogates are added to samples prior to analysis as a check on recovery. In reports that display the D.L. column, laboratory objectives for surrogates are listed there.

mg/kg - milligrams per kilogram based on dry weight of sample

mg/kg ww - milligrams per kilogram based on wet weight of sample

mg/kg lwt - milligrams per kilogram based on lipid weight of sample

mg/L - unit of concentration based on volume, parts per million.

< - Less than.

D.L. - The reporting limit.

N/A - Result not available. Refer to qualifier code and definition for explanation.

Test results reported relate only to the samples as received by the laboratory.

UNLESS OTHERWISE STATED, ALL SAMPLES WERE RECEIVED IN ACCEPTABLE CONDITION.

Analytical results in unsigned test reports with the DRAFT watermark are subject to change, pending final QC review.

Quality Control Report

Workorder: L1216448

Report Date: 05-OCT-12

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Client: Department of National Defence - Royal Military College
Environmental Sciences Group
Kingston ON K7K7B4

Contact: CANDICE CASUCCI

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
F2-F4-511-WT		Water						
Batch	R2449026							
WG1559986-1	CVS							
F2 (C10-C16)			101.2		%		65-135	04-OCT-12
F3 (C16-C34)			108.0		%		65-135	04-OCT-12
F4 (C34-C50)			107.5		%		65-135	04-OCT-12
WG1558324-2	LCS							
F2 (C10-C16)			93.8		%		65-135	04-OCT-12
F3 (C16-C34)			95.8		%		65-135	04-OCT-12
F4 (C34-C50)			92.9		%		65-135	04-OCT-12
WG1558324-3	LCSD	WG1558324-2						
F2 (C10-C16)		93.8	87.6		%	6.8	50	04-OCT-12
F3 (C16-C34)		95.8	89.9		%	6.3	50	04-OCT-12
F4 (C34-C50)		92.9	86.8		%	6.8	50	04-OCT-12
WG1558324-1	MB							
F2 (C10-C16)			<100		ug/L		100	04-OCT-12
F3 (C16-C34)			<250		ug/L		250	04-OCT-12
F4 (C34-C50)			<250		ug/L		250	04-OCT-12
Surrogate: Octacosane			83.0		%		60-140	04-OCT-12
Surrogate: 2-Bromobenzotrifluoride			71.6		%		60-140	04-OCT-12
Batch	R2449281							
WG1557828-1	CVS							
F2 (C10-C16)			99.7		%		65-135	04-OCT-12
F3 (C16-C34)			101.7		%		65-135	04-OCT-12
F4 (C34-C50)			101.0		%		65-135	04-OCT-12
WG1557019-2	LCS							
F2 (C10-C16)			85.7		%		65-135	04-OCT-12
F3 (C16-C34)			89.0		%		65-135	04-OCT-12
F4 (C34-C50)			78.3		%		65-135	04-OCT-12
WG1557019-3	LCSD	WG1557019-2						
F2 (C10-C16)		85.7	84.0		%	1.9	50	04-OCT-12
F3 (C16-C34)		89.0	86.8		%	2.6	50	04-OCT-12
F4 (C34-C50)		78.3	77.9		%	0.5	50	04-OCT-12
WG1557019-1	MB							
F2 (C10-C16)			<100		ug/L		100	04-OCT-12
F3 (C16-C34)			<250		ug/L		250	04-OCT-12
F4 (C34-C50)			<250		ug/L		250	04-OCT-12
Surrogate: Octacosane			83.4		%		60-140	04-OCT-12

Quality Control Report

Workorder: L1216448

Report Date: 05-OCT-12

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Client: Department of National Defence - Royal Military College
Environmental Sciences Group
Kingston ON K7K7B4

Contact: CANDICE CASUCCI

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
F2-F4-511-WT		Water						
Batch	R2449281							
WG1557019-1 MB								
Surrogate: 2-Bromobenzotrifluoride			73.2		%		60-140	04-OCT-12
Batch	R2449447							
WG1557830-1 CVS								
F2 (C10-C16)			97.5		%		65-135	04-OCT-12
F3 (C16-C34)			101.0		%		65-135	04-OCT-12
F4 (C34-C50)			100.2		%		65-135	04-OCT-12
WG1557505-2 LCS								
F2 (C10-C16)			83.0		%		65-135	04-OCT-12
F3 (C16-C34)			89.7		%		65-135	04-OCT-12
F4 (C34-C50)			90.7		%		65-135	04-OCT-12
WG1557505-3 LCSD		WG1557505-2						
F2 (C10-C16)		83.0	78.9		%	5.1	50	04-OCT-12
F3 (C16-C34)		89.7	82.2		%	8.7	50	04-OCT-12
F4 (C34-C50)		90.7	83.1		%	8.7	50	04-OCT-12
WG1557505-1 MB								
F2 (C10-C16)			<100		ug/L		100	04-OCT-12
F3 (C16-C34)			<250		ug/L		250	04-OCT-12
F4 (C34-C50)			<250		ug/L		250	04-OCT-12
Surrogate: Octacosane			91.9		%		60-140	04-OCT-12
Surrogate: 2-Bromobenzotrifluoride			72.2		%		60-140	04-OCT-12
HG-TOT-WT		Water						
Batch	R2447401							
WG1557434-4 DUP		WG1557434-3						
Mercury (Hg)-Total		<0.00010	<0.00010	RPD-NA	mg/L	N/A	20	02-OCT-12
WG1557434-2 LCS								
Mercury (Hg)-Total			99.0		%		80-120	02-OCT-12
WG1557434-1 MB								
Mercury (Hg)-Total			<0.00010		mg/L		0.0001	02-OCT-12
WG1557434-6 MS		WG1557434-5						
Mercury (Hg)-Total			97.1		%		70-130	02-OCT-12
Batch	R2447405							
WG1557442-4 DUP		WG1557442-3						
Mercury (Hg)-Total		<0.00010	<0.00010	RPD-NA	mg/L	N/A	20	02-OCT-12
WG1557442-2 LCS								
Mercury (Hg)-Total			92.5		%		80-120	02-OCT-12

Quality Control Report

Workorder: L1216448

Report Date: 05-OCT-12

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Client: Department of National Defence - Royal Military College
Environmental Sciences Group
Kingston ON K7K7B4

Contact: CANDICE CASUCCI

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
HG-TOT-WT		Water						
Batch	R2447405							
WG1557442-1 MB								
Mercury (Hg)-Total			<0.00010		mg/L		0.0001	02-OCT-12
WG1557442-6 MS		WG1557442-5						
Mercury (Hg)-Total			93.1		%		70-130	02-OCT-12
Batch	R2447869							
WG1558259-4 DUP		WG1558259-3						
Mercury (Hg)-Total		<0.00010	<0.00010	RPD-NA	mg/L	N/A	20	02-OCT-12
WG1558259-2 LCS								
Mercury (Hg)-Total			97.5		%		80-120	02-OCT-12
WG1558259-1 MB								
Mercury (Hg)-Total			<0.00010		mg/L		0.0001	02-OCT-12
WG1558259-6 MS		WG1558259-5						
Mercury (Hg)-Total			97.8		%		70-130	02-OCT-12
MET-TOT-WT		Water						
Batch	R2447363							
WG1557822-2 CVS								
Arsenic (As)-Total			105.3		%		80-120	02-OCT-12
Cadmium (Cd)-Total			113.9		%		80-120	02-OCT-12
Chromium (Cr)-Total			107.6		%		80-120	02-OCT-12
Cobalt (Co)-Total			106.2		%		80-120	02-OCT-12
Copper (Cu)-Total			106.6		%		80-120	02-OCT-12
Lead (Pb)-Total			107.9		%		80-120	02-OCT-12
Nickel (Ni)-Total			108.0		%		80-120	02-OCT-12
Zinc (Zn)-Total			106.3		%		80-120	02-OCT-12
WG1557798-4 DUP		WG1557798-3						
Arsenic (As)-Total		<0.0010	<0.0010	RPD-NA	mg/L	N/A	20	02-OCT-12
Cadmium (Cd)-Total		<0.000090	<0.000090	RPD-NA	mg/L	N/A	20	02-OCT-12
Chromium (Cr)-Total		<0.00050	<0.00050	RPD-NA	mg/L	N/A	20	02-OCT-12
Cobalt (Co)-Total		<0.00050	<0.00050	RPD-NA	mg/L	N/A	20	02-OCT-12
Copper (Cu)-Total		0.0820	0.0831		mg/L	1.3	20	02-OCT-12
Lead (Pb)-Total		<0.0010	<0.0010	RPD-NA	mg/L	N/A	20	02-OCT-12
Nickel (Ni)-Total		<0.0020	<0.0020	RPD-NA	mg/L	N/A	20	02-OCT-12
Zinc (Zn)-Total		0.0218	0.0221		mg/L	1.1	20	02-OCT-12
WG1557798-2 LCS								
Arsenic (As)-Total			107.2		%		70-130	02-OCT-12
Cadmium (Cd)-Total			110.1		%		70-130	02-OCT-12



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Environmental Sciences Group
Kingston ON K7K7B4

Contact: CANDICE CASUCCI

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-TOT-WT		Water						
Batch	R2447363							
WG1557798-2	LCS							
Chromium (Cr)-Total			108.0		%		70-130	02-OCT-12
Cobalt (Co)-Total			104.1		%		70-130	02-OCT-12
Copper (Cu)-Total			106.8		%		70-130	02-OCT-12
Lead (Pb)-Total			113.6		%		70-130	02-OCT-12
Nickel (Ni)-Total			105.2		%		70-130	02-OCT-12
Zinc (Zn)-Total			110.0		%		70-130	02-OCT-12
WG1557798-5	MS	WG1557798-3						
Arsenic (As)-Total			104.5		%		70-130	02-OCT-12
Cadmium (Cd)-Total			95.0		%		70-130	02-OCT-12
Chromium (Cr)-Total			81.2		%		70-130	02-OCT-12
Cobalt (Co)-Total			99.2		%		70-130	02-OCT-12
Copper (Cu)-Total			96.3		%		70-130	02-OCT-12
Lead (Pb)-Total			98.6		%		70-130	02-OCT-12
Nickel (Ni)-Total			100.6		%		70-130	02-OCT-12
Zinc (Zn)-Total			103.9		%		70-130	02-OCT-12
Batch	R2448191							
WG1558820-2	CVS							
Arsenic (As)-Total			98.3		%		80-120	03-OCT-12
Cadmium (Cd)-Total			103.4		%		80-120	03-OCT-12
Chromium (Cr)-Total			97.7		%		80-120	03-OCT-12
Cobalt (Co)-Total			96.3		%		80-120	03-OCT-12
Copper (Cu)-Total			97.8		%		80-120	03-OCT-12
Lead (Pb)-Total			99.5		%		80-120	03-OCT-12
Nickel (Ni)-Total			96.7		%		80-120	03-OCT-12
Zinc (Zn)-Total			93.3		%		80-120	03-OCT-12
WG1557801-4	DUP	WG1557801-3						
Arsenic (As)-Total		<0.0010	<0.0010	RPD-NA	mg/L	N/A	20	03-OCT-12
Cadmium (Cd)-Total		<0.000090	<0.000090	RPD-NA	mg/L	N/A	20	03-OCT-12
Chromium (Cr)-Total		<0.00050	<0.00050	RPD-NA	mg/L	N/A	20	03-OCT-12
Cobalt (Co)-Total		<0.00050	<0.00050	RPD-NA	mg/L	N/A	20	03-OCT-12
Copper (Cu)-Total		<0.0010	<0.0010	RPD-NA	mg/L	N/A	20	03-OCT-12
Lead (Pb)-Total		<0.0010	<0.0010	RPD-NA	mg/L	N/A	20	03-OCT-12
Nickel (Ni)-Total		<0.0020	<0.0020	RPD-NA	mg/L	N/A	20	03-OCT-12
Zinc (Zn)-Total		<0.0030	<0.0030	RPD-NA	mg/L	N/A	20	03-OCT-12

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Client: Department of National Defence - Royal Military College
Environmental Sciences Group
Kingston ON K7K7B4

Contact: CANDICE CASUCCI

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-TOT-WT	Water							
Batch	R2448191							
WG1557801-2 LCS								
Arsenic (As)-Total			94.5		%		70-130	03-OCT-12
Cadmium (Cd)-Total			98.8		%		70-130	03-OCT-12
Chromium (Cr)-Total			93.5		%		70-130	03-OCT-12
Cobalt (Co)-Total			93.9		%		70-130	03-OCT-12
Copper (Cu)-Total			93.9		%		70-130	03-OCT-12
Lead (Pb)-Total			96.6		%		70-130	03-OCT-12
Nickel (Ni)-Total			91.3		%		70-130	03-OCT-12
Zinc (Zn)-Total			91.1		%		70-130	03-OCT-12
WG1557798-1 MB								
Arsenic (As)-Total			<0.0010		mg/L		0.001	03-OCT-12
Cadmium (Cd)-Total			<0.000090		mg/L		0.00009	03-OCT-12
Chromium (Cr)-Total			<0.00050		mg/L		0.0005	03-OCT-12
Cobalt (Co)-Total			<0.00050		mg/L		0.0005	03-OCT-12
Copper (Cu)-Total			<0.0010		mg/L		0.001	03-OCT-12
Lead (Pb)-Total			<0.0010		mg/L		0.001	03-OCT-12
Nickel (Ni)-Total			<0.0020		mg/L		0.002	03-OCT-12
Zinc (Zn)-Total			<0.0030		mg/L		0.003	03-OCT-12
WG1557801-1 MB								
Arsenic (As)-Total			<0.0010		mg/L		0.001	03-OCT-12
Cadmium (Cd)-Total			<0.000090		mg/L		0.00009	03-OCT-12
Chromium (Cr)-Total			<0.00050		mg/L		0.0005	03-OCT-12
Cobalt (Co)-Total			<0.00050		mg/L		0.0005	03-OCT-12
Copper (Cu)-Total			<0.0010		mg/L		0.001	03-OCT-12
Lead (Pb)-Total			<0.0010		mg/L		0.001	03-OCT-12
Nickel (Ni)-Total			<0.0020		mg/L		0.002	03-OCT-12
Zinc (Zn)-Total			<0.0030		mg/L		0.003	03-OCT-12
WG1557801-5 MS		WG1557801-3						
Arsenic (As)-Total			96.7		%		70-130	03-OCT-12
Cadmium (Cd)-Total			97.8		%		70-130	03-OCT-12
Chromium (Cr)-Total			94.2		%		70-130	03-OCT-12
Cobalt (Co)-Total			94.3		%		70-130	03-OCT-12
Copper (Cu)-Total			94.2		%		70-130	03-OCT-12
Lead (Pb)-Total			96.4		%		70-130	03-OCT-12
Nickel (Ni)-Total			92.1		%		70-130	03-OCT-12

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Environmental Sciences Group
Kingston ON K7K7B4

Contact: CANDICE CASUCCI

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-TOT-WT	Water							
Batch	R2448191							
WG1557801-5	MS	WG1557801-3						
Zinc (Zn)-Total			93.6		%		70-130	03-OCT-12
PCB-WT	Water							
Batch	R2448252							
WG1558459-2	LCS							
Aroclor 1242			91.9		%		65-130	04-OCT-12
Aroclor 1248			97.0		%		65-130	04-OCT-12
Aroclor 1254			87.8		%		65-130	04-OCT-12
Aroclor 1260			94.9		%		65-130	04-OCT-12
WG1558459-3	LCSD	WG1558459-2						
Aroclor 1242		91.9	88.4		%	3.9	50	04-OCT-12
Aroclor 1248		97.0	97.0		%	0.0	50	04-OCT-12
Aroclor 1254		87.8	84.0		%	4.4	50	04-OCT-12
Aroclor 1260		94.9	93.5		%	1.4	50	04-OCT-12
WG1558459-1	MB							
Aroclor 1242			<0.020		ug/L		0.02	04-OCT-12
Aroclor 1248			<0.020		ug/L		0.02	04-OCT-12
Aroclor 1254			<0.020		ug/L		0.02	04-OCT-12
Aroclor 1260			<0.020		ug/L		0.02	04-OCT-12
Surrogate: d14-Terphenyl			102.3		%		50-150	04-OCT-12
Batch	R2449427							
WG1558828-1	CVS							
Aroclor 1242			88.0		%		70-130	04-OCT-12
Aroclor 1248			99.1		%		70-130	04-OCT-12
Aroclor 1254			89.1		%		70-130	04-OCT-12
Aroclor 1260			82.0		%		70-130	04-OCT-12
WG1557551-2	LCS							
Aroclor 1242			103.6		%		65-130	04-OCT-12
Aroclor 1248			87.6		%		65-130	04-OCT-12
Aroclor 1254			105.9		%		65-130	04-OCT-12
Aroclor 1260			115.2		%		65-130	04-OCT-12
WG1557551-3	LCSD	WG1557551-2						
Aroclor 1242		103.6	102.4		%	1.2	50	04-OCT-12
Aroclor 1248		87.6	87.6		%	0.0	50	04-OCT-12
Aroclor 1254		105.9	99.7		%	6.0	50	04-OCT-12

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Environmental Sciences Group
Kingston ON K7K7B4

Contact: CANDICE CASUCCI

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
PCB-WT		Water						
Batch	R2449427							
WG1557551-3	LCSD	WG1557551-2						
Aroclor 1260		115.2	107.1		%	7.3	50	04-OCT-12
WG1557551-1	MB							
Aroclor 1242			<0.020		ug/L		0.02	04-OCT-12
Aroclor 1248			<0.020		ug/L		0.02	04-OCT-12
Aroclor 1254			<0.020		ug/L		0.02	04-OCT-12
Aroclor 1260			<0.020		ug/L		0.02	04-OCT-12
Surrogate: d14-Terphenyl			129.8		%		50-150	04-OCT-12
F1-HS-511-WT		Soil						
Batch	R2447731							
WG1557838-1	CVS							
F1 (C6-C10)			99.96		%		80-120	02-OCT-12
WG1557915-4	DUP	WG1557915-3						
F1 (C6-C10)		<5.0	<5.0	RPD-NA	ug/g	N/A	50	02-OCT-12
WG1557915-2	LCS							
F1 (C6-C10)			105.8		%		80-120	02-OCT-12
WG1557915-1	MB							
F1 (C6-C10)			<5.0		ug/g		5	02-OCT-12
Surrogate: 3,4-Dichlorotoluene			123.7		%		50-140	02-OCT-12
Batch	R2448085							
WG1557837-1	CVS							
F1 (C6-C10)			115.5		%		80-120	03-OCT-12
WG1557135-4	DUP	WG1557135-3						
F1 (C6-C10)		<5.0	<5.0	RPD-NA	ug/g	N/A	50	03-OCT-12
WG1557135-2	LCS							
F1 (C6-C10)			104.5		%		80-120	03-OCT-12
WG1557135-1	MB							
F1 (C6-C10)			<5.0		ug/g		5	03-OCT-12
Surrogate: 3,4-Dichlorotoluene			139.4		%		50-140	03-OCT-12
WG1557135-7	MS	WG1557135-6						
F1 (C6-C10)			117.4		%		50-140	03-OCT-12
Batch	R2448195							
WG1558327-1	CVS							
F1 (C6-C10)			89.8		%		80-120	02-OCT-12
WG1557243-4	DUP	WG1557243-3						
F1 (C6-C10)		<5.0	<5.0	RPD-NA	ug/g	N/A	50	02-OCT-12

COMMENTS: Analysis compromised due to type of sample jar received. Loses may have occurred according to 511 Regulation. Sample has

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Contact: CANDICE CASUCCI

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
F1-HS-511-WT		Soil						
Batch	R2448195							
WG1557243-2	LCS							
F1 (C6-C10)			84.1		%		80-120	02-OCT-12
WG1557243-1	MB							
F1 (C6-C10)			<5.0		ug/g		5	02-OCT-12
Surrogate: 3,4-Dichlorotoluene			95.8		%		50-140	02-OCT-12
WG1557243-5	MS	WG1557243-3						
F1 (C6-C10)			98.9		%		50-140	02-OCT-12
COMMENTS: Analysis compromised due to type of sample jar received. Loses may have occurred according to 511 Regulation. Sample has headspace.								
WG1557243-6	MS	WG1557243-3						
F1 (C6-C10)			98.9		%		50-140	02-OCT-12
COMMENTS: Analysis compromised due to type of sample jar received. Loses may have occurred according to 511 Regulation. Sample has headspace.								
Batch	R2449740							
WG1557409-1	CVS							
F1 (C6-C10)			109.0		%		80-120	02-OCT-12
WG1557312-4	DUP	WG1557312-3						
F1 (C6-C10)		102	87.2		ug/g	16	50	02-OCT-12
WG1557312-2	LCS							
F1 (C6-C10)			118.1		%		80-120	02-OCT-12
WG1557312-1	MB							
F1 (C6-C10)			<5.0		ug/g		5	02-OCT-12
Surrogate: 3,4-Dichlorotoluene			139.5		%		50-140	02-OCT-12
WG1557312-7	MS	WG1557312-6						
F1 (C6-C10)			117.8		%		50-140	02-OCT-12
F2-F4-511-WT		Soil						
Batch	R2447560							
WG1557849-1	CVS							
F2 (C10-C16)			101.1		%		80-120	02-OCT-12
F3 (C16-C34)			101.5		%		80-120	02-OCT-12
F4 (C34-C50)			97.6		%		80-120	02-OCT-12
WG1557537-4	DUP	L1216448-56						
F2 (C10-C16)		<10	<10	RPD-NA	ug/g	N/A	40	02-OCT-12
F3 (C16-C34)		<50	<50	RPD-NA	ug/g	N/A	40	02-OCT-12
F4 (C34-C50)		<50	<50	RPD-NA	ug/g	N/A	40	02-OCT-12
WG1557537-2	LCS							
F2 (C10-C16)			95.3		%		80-120	02-OCT-12
F3 (C16-C34)			96.6		%		80-120	02-OCT-12

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Client: Department of National Defence - Royal Military College
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Kingston ON K7K7B4

Contact: CANDICE CASUCCI

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
F2-F4-511-WT		Soil						
Batch	R2447560							
WG1557537-2	LCS							
F4 (C34-C50)			93.7		%		80-120	02-OCT-12
WG1557537-3	LCSD	WG1557537-2						
F2 (C10-C16)		95.3	102.0		%	6.7	50	02-OCT-12
F3 (C16-C34)		96.6	104.8		%	8.2	50	02-OCT-12
F4 (C34-C50)		93.7	100.2		%	6.8	50	02-OCT-12
WG1557537-1	MB							
F2 (C10-C16)			<10		ug/g		10	02-OCT-12
F3 (C16-C34)			<50		ug/g		50	02-OCT-12
F4 (C34-C50)			<50		ug/g		50	02-OCT-12
Surrogate: Octacosane			106.2		%		60-140	02-OCT-12
Surrogate: 2-Bromobenzotrifluoride			84.4		%		60-140	02-OCT-12
WG1557537-5	MS	L1216448-56						
F2 (C10-C16)			95.3		%		60-140	02-OCT-12
F3 (C16-C34)			97.4		%		60-140	02-OCT-12
F4 (C34-C50)			98.2		%		60-140	02-OCT-12
Batch	R2449964							
WG1557829-1	CVS							
F2 (C10-C16)			101.4		%		80-120	05-OCT-12
F3 (C16-C34)			108.4		%		80-120	05-OCT-12
F4 (C34-C50)			107.4		%		80-120	05-OCT-12
WG1557532-4	DUP	L1216448-34						
F2 (C10-C16)		<10	<10	RPD-NA	ug/g	N/A	40	05-OCT-12
F3 (C16-C34)		<50	<50	RPD-NA	ug/g	N/A	40	05-OCT-12
F4 (C34-C50)		<50	<50	RPD-NA	ug/g	N/A	40	05-OCT-12
WG1557532-2	LCS							
F2 (C10-C16)			89.0		%		80-120	05-OCT-12
F3 (C16-C34)			101.9		%		80-120	05-OCT-12
F4 (C34-C50)			100.1		%		80-120	05-OCT-12
WG1557532-3	LCSD	WG1557532-2						
F2 (C10-C16)		89.0	88.4		%	0.7	50	05-OCT-12
F3 (C16-C34)		101.9	99.3		%	2.6	50	05-OCT-12
F4 (C34-C50)		100.1	97.5		%	2.6	50	05-OCT-12
WG1557532-1	MB							
F2 (C10-C16)			<10		ug/g		10	05-OCT-12
F3 (C16-C34)			<50		ug/g		50	05-OCT-12

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Client: Department of National Defence - Royal Military College
Environmental Sciences Group
Kingston ON K7K7B4

Contact: CANDICE CASUCCI

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
F2-F4-511-WT		Soil						
Batch	R2449964							
WG1557532-1	MB							
F4 (C34-C50)			<50		ug/g		50	05-OCT-12
Surrogate: Octacosane			99.1		%		60-140	05-OCT-12
Surrogate: 2-Bromobenzotrifluoride			85.5		%		60-140	05-OCT-12
WG1557532-5	MS	L1216448-34						
F2 (C10-C16)			87.0		%		60-140	05-OCT-12
F3 (C16-C34)			98.6		%		60-140	05-OCT-12
F4 (C34-C50)			101.0		%		60-140	05-OCT-12
Batch	R2450136							
WG1558825-1	CVS							
F2 (C10-C16)			103.4		%		80-120	05-OCT-12
F3 (C16-C34)			102.0		%		80-120	05-OCT-12
F4 (C34-C50)			102.4		%		80-120	05-OCT-12
WG1557770-4	DUP	L1216448-87						
F2 (C10-C16)		<10	<10	RPD-NA	ug/g	N/A	40	05-OCT-12
F3 (C16-C34)		<50	71	RPD-NA	ug/g	N/A	40	05-OCT-12
F4 (C34-C50)		<50	<50	RPD-NA	ug/g	N/A	40	05-OCT-12
WG1557770-2	LCS							
F2 (C10-C16)			91.1		%		80-120	05-OCT-12
F3 (C16-C34)			98.6		%		80-120	05-OCT-12
F4 (C34-C50)			94.8		%		80-120	05-OCT-12
WG1557770-3	LCSD	WG1557770-2						
F2 (C10-C16)		91.1	90.9		%	0.2	50	05-OCT-12
F3 (C16-C34)		98.6	102.4		%	3.8	50	05-OCT-12
F4 (C34-C50)		94.8	117.0		%	21	50	05-OCT-12
WG1557770-1	MB							
F2 (C10-C16)			<10		ug/g		10	05-OCT-12
F3 (C16-C34)			<50		ug/g		50	05-OCT-12
F4 (C34-C50)			<50		ug/g		50	05-OCT-12
Surrogate: Octacosane			108.1		%		60-140	05-OCT-12
Surrogate: 2-Bromobenzotrifluoride			86.7		%		60-140	05-OCT-12
WG1557770-5	MS	L1216448-87						
F2 (C10-C16)			90.0		%		60-140	05-OCT-12
F3 (C16-C34)			103.4		%		60-140	05-OCT-12
F4 (C34-C50)			113.5		%		60-140	05-OCT-12

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
F2-F4-511-WT		Soil						
Batch	R2450221							
WG1558823-1	CVS							
F2 (C10-C16)			100.2		%		80-120	05-OCT-12
F3 (C16-C34)			103.4		%		80-120	05-OCT-12
F4 (C34-C50)			103.5		%		80-120	05-OCT-12
WG1557766-4	DUP	L1216448-12						
F2 (C10-C16)		<10	<10	RPD-NA	ug/g	N/A	40	05-OCT-12
F3 (C16-C34)		76	202	J,G	ug/g	126	100	05-OCT-12
F4 (C34-C50)		<50	234	G	ug/g	N/A	40	05-OCT-12
COMMENTS: The duplicate results are approaching the detection limits and therefore uncertainty increases.								
WG1557766-2	LCS							
F2 (C10-C16)			93.2		%		80-120	05-OCT-12
F3 (C16-C34)			98.1		%		80-120	05-OCT-12
F4 (C34-C50)			93.4		%		80-120	05-OCT-12
WG1557766-3	LCSD	WG1557766-2						
F2 (C10-C16)		93.2	93.3		%	0.1	50	05-OCT-12
F3 (C16-C34)		98.1	98.0		%	0.1	50	05-OCT-12
F4 (C34-C50)		93.4	96.8		%	3.5	50	05-OCT-12
WG1557766-1	MB							
F2 (C10-C16)			<10		ug/g		10	05-OCT-12
F3 (C16-C34)			<50		ug/g		50	05-OCT-12
F4 (C34-C50)			<50		ug/g		50	05-OCT-12
Surrogate: Octacosane			96.7		%		60-140	05-OCT-12
Surrogate: 2-Bromobenzotrifluoride			82.9		%		60-140	05-OCT-12
WG1557766-5	MS	L1216448-12						
F2 (C10-C16)			94.2		%		60-140	05-OCT-12
F3 (C16-C34)			107.1		%		60-140	05-OCT-12
F4 (C34-C50)			174.6	K	%		60-140	05-OCT-12
HG-WT		Soil						
Batch	R2448748							
WG1558753-2	CRM	WT-SS-1						
Mercury (Hg)			108.2		%		70-130	03-OCT-12
WG1558753-4	DUP	WG1558753-3						
Mercury (Hg)		0.026	0.025		mg/kg	5.7	20	03-OCT-12
WG1558753-7	LCS							
Mercury (Hg)			107.5		%		70-130	03-OCT-12
WG1558753-1	MB							

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Client: Department of National Defence - Royal Military College
Environmental Sciences Group
Kingston ON K7K7B4

Contact: CANDICE CASUCCI

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
HG-WT								
Soil								
Batch	R2448748							
WG1558753-1 MB								
Mercury (Hg)			<0.010		mg/kg		0.01	03-OCT-12
WG1558753-5 MS		WG1558753-3						
Mercury (Hg)			81.9		%		70-130	03-OCT-12
MET-UG/G-CCMS-WT								
Soil								
Batch	R2449289							
WG1558841-2 CVS								
Arsenic (As)			99.5		%		70-130	04-OCT-12
Cadmium (Cd)			104.4		%		70-130	04-OCT-12
Chromium (Cr)			99.5		%		70-130	04-OCT-12
Cobalt (Co)			94.7		%		70-130	04-OCT-12
Copper (Cu)			99.2		%		70-130	04-OCT-12
Lead (Pb)			100.3		%		70-130	04-OCT-12
Nickel (Ni)			101.4		%		70-130	04-OCT-12
Zinc (Zn)			93.0		%		70-130	04-OCT-12
WG1558753-10 DUP		L1216969-1						
Arsenic (As)		5.7	5.35		ug/g	7.1	30	04-OCT-12
Cadmium (Cd)		<0.50	<0.50	RPD-NA	ug/g	N/A	30	04-OCT-12
Chromium (Cr)		17.0	15.8		ug/g	7.2	30	04-OCT-12
Cobalt (Co)		8.9	8.3		ug/g	6.0	30	04-OCT-12
Copper (Cu)		30.0	27.9		ug/g	7.1	30	04-OCT-12
Lead (Pb)		8.6	8.4		ug/g	1.7	40	04-OCT-12
Nickel (Ni)		19.9	18.6		ug/g	6.5	30	04-OCT-12
Zinc (Zn)		51.6	47.8		ug/g	7.7	30	04-OCT-12
WG1558753-4 DUP		WG1558753-3						
Arsenic (As)		5.04	4.44		ug/g	13	30	04-OCT-12
Cadmium (Cd)		<0.50	<0.50	RPD-NA	ug/g	N/A	30	04-OCT-12
Chromium (Cr)		23.8	21.7		ug/g	9.2	30	04-OCT-12
Cobalt (Co)		8.0	7.2		ug/g	10	30	04-OCT-12
Copper (Cu)		18.6	16.6		ug/g	12	30	04-OCT-12
Lead (Pb)		23.2	19.7		ug/g	17	40	04-OCT-12
Nickel (Ni)		18.4	16.4		ug/g	11	30	04-OCT-12
Zinc (Zn)		64.8	57.8		ug/g	11	30	04-OCT-12
WG1558753-6 LCS								
Arsenic (As)			101.9		%		80-120	04-OCT-12

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Client: Department of National Defence - Royal Military College
Environmental Sciences Group
Kingston ON K7K7B4

Contact: CANDICE CASUCCI

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MOISTURE-WT								
	Soil							
Batch	R2448892							
WG1558898-1	MB							
% Moisture			<0.10		%		0.1	03-OCT-12
PCB-WT								
	Soil							
Batch	R2449048							
WG1559395-1	CVS							
Aroclor 1242			93.7		%		70-130	04-OCT-12
Aroclor 1248			104.1		%		70-130	04-OCT-12
Aroclor 1254			101.0		%		70-130	04-OCT-12
Aroclor 1260			94.9		%		70-130	04-OCT-12
WG1558906-4	DUP	L1216448-11						
Aroclor 1242		<0.010	<0.010	RPD-NA	mg/kg	N/A	50	04-OCT-12
Aroclor 1248		<0.010	<0.010	RPD-NA	mg/kg	N/A	50	04-OCT-12
Aroclor 1254		0.050	0.058		mg/kg	16	50	04-OCT-12
Aroclor 1260		0.023	0.018		mg/kg	23	50	04-OCT-12
WG1558906-5	MS	L1216448-11						
Aroclor 1242			102.8		%		50-150	04-OCT-12
Aroclor 1254			102.0		%		50-150	04-OCT-12
Aroclor 1260			101.6		%		50-150	04-OCT-12
Batch	R2449159							
WG1559761-1	CVS							
Aroclor 1242			93.4		%		70-130	04-OCT-12
Aroclor 1248			102.6		%		70-130	04-OCT-12
Aroclor 1254			103.6		%		70-130	04-OCT-12
Aroclor 1260			93.6		%		70-130	04-OCT-12
WG1559136-2	LCS							
Aroclor 1242			84.4		%		65-130	04-OCT-12
Aroclor 1248			90.3		%		65-130	04-OCT-12
Aroclor 1254			80.8		%		65-130	04-OCT-12
Aroclor 1260			90.2		%		65-130	04-OCT-12
WG1559136-3	LCSD	WG1559136-2						
Aroclor 1242		84.4	85.1		%	0.9	50	04-OCT-12
Aroclor 1248		90.3	90.3		%	0.0	50	04-OCT-12
Aroclor 1254		80.8	79.0		%	2.2	50	04-OCT-12
Aroclor 1260		90.2	89.1		%	1.3	50	04-OCT-12
WG1559136-1	MB							

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Environmental Sciences Group
Kingston ON K7K7B4

Contact: CANDICE CASUCCI

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
PCB-WT		Soil						
Batch	R2449159							
WG1559136-1	MB							
Aroclor 1242			<0.010		mg/kg		0.01	04-OCT-12
Aroclor 1248			<0.010		mg/kg		0.01	04-OCT-12
Aroclor 1254			<0.010		mg/kg		0.01	04-OCT-12
Aroclor 1260			<0.010		mg/kg		0.01	04-OCT-12
Surrogate: d14-Terphenyl			116.0		%		50-150	04-OCT-12
Batch	R2449971							
WG1559755-1	CVS							
Aroclor 1242			92.9		%		70-130	05-OCT-12
Aroclor 1248			100.6		%		70-130	05-OCT-12
Aroclor 1254			101.7		%		70-130	05-OCT-12
Aroclor 1260			91.2		%		70-130	05-OCT-12
WG1559290-4	DUP	L1216448-47						
Aroclor 1242		<0.010	<0.010	RPD-NA	mg/kg	N/A	50	05-OCT-12
Aroclor 1248		<0.010	<0.010	RPD-NA	mg/kg	N/A	50	05-OCT-12
Aroclor 1254		<0.010	<0.010	RPD-NA	mg/kg	N/A	50	05-OCT-12
Aroclor 1260		<0.010	<0.010	RPD-NA	mg/kg	N/A	50	05-OCT-12
WG1559290-2	LCS							
Aroclor 1242			94.2		%		65-130	05-OCT-12
Aroclor 1248			93.7		%		65-130	05-OCT-12
Aroclor 1254			92.0		%		65-130	05-OCT-12
Aroclor 1260			99.9		%		65-130	05-OCT-12
WG1559290-3	LCSD	WG1559290-2						
Aroclor 1242		94.2	93.3		%	1.0	50	05-OCT-12
Aroclor 1248		93.7	93.7		%	0.0	50	05-OCT-12
Aroclor 1254		92.0	93.8		%	2.0	50	05-OCT-12
Aroclor 1260		99.9	99.5		%	0.5	50	05-OCT-12
WG1559290-1	MB							
Aroclor 1242			<0.010		mg/kg		0.01	05-OCT-12
Aroclor 1248			<0.010		mg/kg		0.01	05-OCT-12
Aroclor 1254			<0.010		mg/kg		0.01	05-OCT-12
Aroclor 1260			<0.010		mg/kg		0.01	05-OCT-12
Surrogate: d14-Terphenyl			86.9		%		50-150	05-OCT-12
WG1559290-5	MS	L1216448-47						
Aroclor 1242			91.3		%		50-150	05-OCT-12



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Client: Department of National Defence - Royal Military College
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Kingston ON K7K7B4

Contact: CANDICE CASUCCI

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
PCB-WT	Soil							
Batch	R2449971							
WG1559290-5	MS	L1216448-47						
Aroclor 1254			89.0		%		50-150	05-OCT-12
Aroclor 1260			97.3		%		50-150	05-OCT-12

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Legend:

Limit	ALS Control Limit (Data Quality Objectives)
DUP	Duplicate
RPD	Relative Percent Difference
N/A	Not Available
LCS	Laboratory Control Sample
SRM	Standard Reference Material
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ADE	Average Desorption Efficiency
MB	Method Blank
IRM	Internal Reference Material
CRM	Certified Reference Material
CCV	Continuing Calibration Verification
CVS	Calibration Verification Standard
LCSD	Laboratory Control Sample Duplicate

Sample Parameter Qualifier Definitions:

Qualifier	Description
ABL	Approximate Result: May Be Biased Low
G	QC result did not meet ALS DQO. Refer to narrative comments for further information.
J	Duplicate results and limits are expressed in terms of absolute difference.
K	Matrix Spike recovery outside ALS DQO due to sample matrix effects.
RPD-NA	Relative Percent Difference Not Available due to result(s) being less than detection limit.

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Client: Department of National Defence - Royal Military College
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Hold Time Exceedances:

ALS Product Description	Sample ID	Sampling Date	Date Processed	Rec. HT	Actual HT	Units	Qualifier
Physical Tests							
% Moisture	11	10-SEP-12	02-OCT-12 16:40	14	22	days	EHTR
	12	10-SEP-12	01-OCT-12 16:01	14	21	days	EHTR
	13	10-SEP-12	01-OCT-12 16:02	14	21	days	EHTR
	14	10-SEP-12	01-OCT-12 16:03	14	21	days	EHTR
	15	10-SEP-12	01-OCT-12 16:04	14	21	days	EHTR
	16	10-SEP-12	01-OCT-12 16:05	14	21	days	EHTR
	17	10-SEP-12	01-OCT-12 16:07	14	21	days	EHTR
	18	10-SEP-12	01-OCT-12 16:08	14	21	days	EHTR
	19	10-SEP-12	01-OCT-12 19:00	14	21	days	EHTR
	20	10-SEP-12	01-OCT-12 19:01	14	21	days	EHTR
	21	10-SEP-12	02-OCT-12 16:41	14	22	days	EHTR
	22	10-SEP-12	01-OCT-12 19:02	14	21	days	EHTR
	23	10-SEP-12	02-OCT-12 16:42	14	22	days	EHTR
	24	10-SEP-12	02-OCT-12 16:43	14	22	days	EHTR
	25	10-SEP-12	02-OCT-12 16:44	14	22	days	EHTR
	26	10-SEP-12	02-OCT-12 16:45	14	22	days	EHTR
	27	10-SEP-12	02-OCT-12 16:46	14	22	days	EHTR
	28	10-SEP-12	02-OCT-12 16:47	14	22	days	EHTR
	29	10-SEP-12	02-OCT-12 16:48	14	22	days	EHTR
	30	10-SEP-12	02-OCT-12 18:23	14	22	days	EHTR
	31	10-SEP-12	02-OCT-12 18:24	14	22	days	EHTR
	32	10-SEP-12	02-OCT-12 18:25	14	22	days	EHTR
	33	10-SEP-12	02-OCT-12 18:26	14	22	days	EHTR
	34	10-SEP-12	02-OCT-12 18:27	14	22	days	EHTR
	35	10-SEP-12	02-OCT-12 18:28	14	22	days	EHTR
	36	10-SEP-12	02-OCT-12 18:29	14	22	days	EHTR
	37	10-SEP-12	02-OCT-12 18:30	14	22	days	EHTR
	38	10-SEP-12	02-OCT-12 18:31	14	22	days	EHTR
	39	10-SEP-12	02-OCT-12 18:32	14	22	days	EHTR
	40	10-SEP-12	02-OCT-12 18:33	14	22	days	EHTR
	41	10-SEP-12	02-OCT-12 18:34	14	22	days	EHTR
	42	10-SEP-12	02-OCT-12 18:35	14	22	days	EHTR
	43	10-SEP-12	02-OCT-12 18:36	14	22	days	EHTR
	44	10-SEP-12	02-OCT-12 18:37	14	22	days	EHTR
	45	10-SEP-12	02-OCT-12 18:38	14	22	days	EHTR
	46	10-SEP-12	02-OCT-12 18:39	14	22	days	EHTR
	47	10-SEP-12	02-OCT-12 18:40	14	22	days	EHTR
	48	10-SEP-12	02-OCT-12 18:41	14	22	days	EHTR
	49	10-SEP-12	02-OCT-12 18:42	14	22	days	EHTR
	50	10-SEP-12	02-OCT-12 18:58	14	22	days	EHTR
	51	10-SEP-12	02-OCT-12 18:59	14	22	days	EHTR
	52	10-SEP-12	02-OCT-12 19:00	14	22	days	EHTR
	53	10-SEP-12	02-OCT-12 19:01	14	22	days	EHTR
	54	10-SEP-12	02-OCT-12 19:02	14	22	days	EHTR
	55	10-SEP-12	02-OCT-12 19:03	14	22	days	EHTR
	56	10-SEP-12	02-OCT-12 16:49	14	22	days	EHTR
	57	10-SEP-12	02-OCT-12 19:05	14	22	days	EHTR
	58	10-SEP-12	02-OCT-12 19:06	14	22	days	EHTR
	59	10-SEP-12	02-OCT-12 19:07	14	22	days	EHTR
	60	10-SEP-12	02-OCT-12 19:08	14	22	days	EHTR
	61	10-SEP-12	02-OCT-12 19:09	14	22	days	EHTR
	62	10-SEP-12	02-OCT-12 19:10	14	22	days	EHTR
	63	10-SEP-12	02-OCT-12 19:11	14	22	days	EHTR

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Client: Department of National Defence - Royal Military College
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Hold Time Exceedances:

ALS Product Description	Sample ID	Sampling Date	Date Processed	Rec. HT	Actual HT	Units	Qualifier
Physical Tests							
% Moisture	64	10-SEP-12	02-OCT-12 19:12	14	22	days	EHTR
	65	10-SEP-12	02-OCT-12 19:13	14	22	days	EHTR
	66	10-SEP-12	02-OCT-12 19:14	14	22	days	EHTR
	68	10-SEP-12	02-OCT-12 19:15	14	22	days	EHTR
	69	10-SEP-12	02-OCT-12 19:16	14	22	days	EHTR
	70	10-SEP-12	02-OCT-12 19:17	14	22	days	EHTR
	71	10-SEP-12	02-OCT-12 19:18	14	22	days	EHTR
	72	10-SEP-12	03-OCT-12 10:16	14	23	days	EHTR
	73	10-SEP-12	03-OCT-12 10:17	14	23	days	EHTR
	74	10-SEP-12	03-OCT-12 10:18	14	23	days	EHTR
	76	10-SEP-12	03-OCT-12 10:19	14	23	days	EHTR
	77	10-SEP-12	03-OCT-12 10:20	14	23	days	EHTR
	78	10-SEP-12	03-OCT-12 10:21	14	23	days	EHTR
	79	10-SEP-12	03-OCT-12 10:22	14	23	days	EHTR
	80	10-SEP-12	03-OCT-12 10:23	14	23	days	EHTR
	81	10-SEP-12	03-OCT-12 10:24	14	23	days	EHTR
	82	10-SEP-12	03-OCT-12 10:25	14	23	days	EHTR
	83	10-SEP-12	03-OCT-12 10:26	14	23	days	EHTR
	84	10-SEP-12	03-OCT-12 10:27	14	23	days	EHTR
	86	10-SEP-12	03-OCT-12 10:28	14	23	days	EHTR
	87	10-SEP-12	03-OCT-12 10:29	14	23	days	EHTR
	88	10-SEP-12	03-OCT-12 10:30	14	23	days	EHTR
	89	10-SEP-12	03-OCT-12 10:31	14	23	days	EHTR
	90	10-SEP-12	03-OCT-12 10:32	14	23	days	EHTR
	91	10-SEP-12	02-OCT-12 15:56	14	22	days	EHTR
	92	10-SEP-12	03-OCT-12 10:33	14	23	days	EHTR
	93	10-SEP-12	02-OCT-12 15:57	14	22	days	EHTR
	94	10-SEP-12	03-OCT-12 10:34	14	23	days	EHTR
	95	10-SEP-12	02-OCT-12 15:58	14	22	days	EHTR
	97	10-SEP-12	03-OCT-12 10:35	14	23	days	EHTR
	98	10-SEP-12	03-OCT-12 11:02	14	23	days	EHTR
	99	10-SEP-12	03-OCT-12 11:03	14	23	days	EHTR
	100	10-SEP-12	03-OCT-12 11:04	14	23	days	EHTR
	101	10-SEP-12	03-OCT-12 11:05	14	23	days	EHTR
Hydrocarbons							
F1-O.Reg 153/04 (July 2011)	12	10-SEP-12	01-OCT-12 12:21	14	21	days	EHTR
	14	10-SEP-12	01-OCT-12 12:22	14	21	days	EHTR
	16	10-SEP-12	01-OCT-12 12:23	14	21	days	EHTR
	18	10-SEP-12	01-OCT-12 12:24	14	21	days	EHTR
	20	10-SEP-12	01-OCT-12 12:25	14	21	days	EHTR
	22	10-SEP-12	01-OCT-12 12:26	14	21	days	EHTR
	24	10-SEP-12	01-OCT-12 12:27	14	21	days	EHTR
	26	10-SEP-12	01-OCT-12 12:28	14	21	days	EHTR
	28	10-SEP-12	01-OCT-12 12:29	14	21	days	EHTR
	30	10-SEP-12	01-OCT-12 13:22	14	21	days	EHTR
	32	10-SEP-12	01-OCT-12 13:27	14	21	days	EHTR
	34	10-SEP-12	01-OCT-12 13:28	14	21	days	EHTR
	36	10-SEP-12	01-OCT-12 13:29	14	21	days	EHTR
	38	10-SEP-12	01-OCT-12 13:30	14	21	days	EHTR
	40	10-SEP-12	01-OCT-12 13:31	14	21	days	EHTR
	42	10-SEP-12	01-OCT-12 13:32	14	21	days	EHTR

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Client: Department of National Defence - Royal Military College
Environmental Sciences Group
Kingston ON K7K7B4
Contact: CANDICE CASUCCI

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Hold Time Exceedances:

ALS Product Description	Sample ID	Sampling Date	Date Processed	Rec. HT	Actual HT	Units	Qualifier
Hydrocarbons							
F1-O.Reg 153/04 (July 2011)							
	44	10-SEP-12	01-OCT-12 13:33	14	21	days	EHTR
	46	10-SEP-12	01-OCT-12 13:34	14	21	days	EHTR
	48	10-SEP-12	01-OCT-12 13:35	14	21	days	EHTR
	50	10-SEP-12	01-OCT-12 13:36	14	21	days	EHTR
	52	10-SEP-12	01-OCT-12 13:37	14	21	days	EHTR
	54	10-SEP-12	01-OCT-12 13:38	14	21	days	EHTR
	56	10-SEP-12	01-OCT-12 13:39	14	21	days	EHTR
	58	10-SEP-12	01-OCT-12 13:40	14	21	days	EHTR
	60	10-SEP-12	01-OCT-12 13:41	14	21	days	EHTR
	62	10-SEP-12	01-OCT-12 13:42	14	21	days	EHTR
	64	10-SEP-12	01-OCT-12 13:43	14	21	days	EHTR
	65	10-SEP-12	01-OCT-12 13:44	14	21	days	EHTR
	68	10-SEP-12	01-OCT-12 13:45	14	21	days	EHTR
	70	10-SEP-12	02-OCT-12 11:44	14	22	days	EHTR
	72	10-SEP-12	01-OCT-12 14:02	14	21	days	EHTR
	76	10-SEP-12	01-OCT-12 14:03	14	21	days	EHTR
	77	10-SEP-12	01-OCT-12 14:04	14	21	days	EHTR
	79	10-SEP-12	01-OCT-12 14:05	14	21	days	EHTR
	81	10-SEP-12	01-OCT-12 14:06	14	21	days	EHTR
	83	10-SEP-12	01-OCT-12 14:07	14	21	days	EHTR
	86	10-SEP-12	01-OCT-12 14:08	14	21	days	EHTR
	87	10-SEP-12	01-OCT-12 14:09	14	21	days	EHTR
	90	10-SEP-12	01-OCT-12 14:10	14	21	days	EHTR
	92	10-SEP-12	01-OCT-12 14:11	14	21	days	EHTR
	94	10-SEP-12	01-OCT-12 14:12	14	21	days	EHTR
	97	10-SEP-12	01-OCT-12 14:13	14	21	days	EHTR
	99	10-SEP-12	01-OCT-12 14:14	14	21	days	EHTR
	101	10-SEP-12	01-OCT-12 14:15	14	21	days	EHTR
F2-F4-O.Reg 153/04 (July 2011)							
	1	10-SEP-12	01-OCT-12 07:16	14	21	days	EHTR
	2	10-SEP-12	01-OCT-12 07:11	14	21	days	EHTR
	3	10-SEP-12	01-OCT-12 07:17	14	21	days	EHTR
	4	10-SEP-12	01-OCT-12 07:18	14	21	days	EHTR
	5	10-SEP-12	01-OCT-12 07:19	14	21	days	EHTR
	6	10-SEP-12	01-OCT-12 07:20	14	21	days	EHTR
	7	10-SEP-12	01-OCT-12 07:21	14	21	days	EHTR
	8	10-SEP-12	01-OCT-12 07:22	14	21	days	EHTR
	9	10-SEP-12	01-OCT-12 07:12	14	21	days	EHTR
	10	10-SEP-12	01-OCT-12 07:13	14	21	days	EHTR
F2-F4-O.Reg 153/04 (July 2011)							
	12	10-SEP-12	01-OCT-12 22:53	14	21	days	EHTR
	14	10-SEP-12	01-OCT-12 22:56	14	21	days	EHTR
	16	10-SEP-12	01-OCT-12 22:57	14	21	days	EHTR
	18	10-SEP-12	01-OCT-12 22:58	14	21	days	EHTR
	20	10-SEP-12	01-OCT-12 22:59	14	21	days	EHTR
	22	10-SEP-12	01-OCT-12 23:00	14	21	days	EHTR
	24	10-SEP-12	01-OCT-12 23:01	14	21	days	EHTR
	26	10-SEP-12	01-OCT-12 23:02	14	21	days	EHTR
	28	10-SEP-12	01-OCT-12 23:03	14	21	days	EHTR
	30	10-SEP-12	01-OCT-12 06:59	14	21	days	EHTR
	32	10-SEP-12	01-OCT-12 07:00	14	21	days	EHTR
	34	10-SEP-12	01-OCT-12 07:01	14	21	days	EHTR

Quality Control Report

Workorder: L1216448

Report Date: 05-OCT-12

Client: Department of National Defence - Royal Military College
Environmental Sciences Group
Kingston ON K7K7B4
Contact: CANDICE CASUCCI

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Hold Time Exceedances:

ALS Product Description	Sample ID	Sampling Date	Date Processed	Rec. HT	Actual HT	Units	Qualifier
Hydrocarbons							
F2-F4-O.Reg 153/04 (July 2011)							
	36	10-SEP-12	01-OCT-12 07:04	14	21	days	EHTR
	38	10-SEP-12	01-OCT-12 07:05	14	21	days	EHTR
	40	10-SEP-12	01-OCT-12 07:06	14	21	days	EHTR
	42	10-SEP-12	01-OCT-12 07:07	14	21	days	EHTR
	44	10-SEP-12	01-OCT-12 07:08	14	21	days	EHTR
	46	10-SEP-12	01-OCT-12 07:09	14	21	days	EHTR
	48	10-SEP-12	01-OCT-12 07:10	14	21	days	EHTR
	50	10-SEP-12	01-OCT-12 07:11	14	21	days	EHTR
	52	10-SEP-12	01-OCT-12 07:12	14	21	days	EHTR
	54	10-SEP-12	01-OCT-12 07:13	14	21	days	EHTR
	56	10-SEP-12	01-OCT-12 06:52	14	21	days	EHTR
	58	10-SEP-12	01-OCT-12 07:14	14	21	days	EHTR
	60	10-SEP-12	01-OCT-12 23:04	14	21	days	EHTR
	62	10-SEP-12	01-OCT-12 23:05	14	21	days	EHTR
	64	10-SEP-12	01-OCT-12 23:06	14	21	days	EHTR
	65	10-SEP-12	01-OCT-12 23:07	14	21	days	EHTR
	68	10-SEP-12	02-OCT-12 22:31	14	22	days	EHTR
	70	10-SEP-12	02-OCT-12 22:32	14	22	days	EHTR
	72	10-SEP-12	02-OCT-12 22:33	14	22	days	EHTR
	76	10-SEP-12	02-OCT-12 22:34	14	22	days	EHTR
	77	10-SEP-12	02-OCT-12 22:35	14	22	days	EHTR
	79	10-SEP-12	02-OCT-12 22:36	14	22	days	EHTR
	81	10-SEP-12	02-OCT-12 22:37	14	22	days	EHTR
	83	10-SEP-12	02-OCT-12 22:38	14	22	days	EHTR
	86	10-SEP-12	02-OCT-12 22:39	14	22	days	EHTR
	87	10-SEP-12	02-OCT-12 22:40	14	22	days	EHTR
	90	10-SEP-12	02-OCT-12 22:43	14	22	days	EHTR
	92	10-SEP-12	02-OCT-12 22:44	14	22	days	EHTR
	94	10-SEP-12	02-OCT-12 22:45	14	22	days	EHTR
	97	10-SEP-12	02-OCT-12 22:46	14	22	days	EHTR
	99	10-SEP-12	02-OCT-12 22:47	14	22	days	EHTR
	101	10-SEP-12	02-OCT-12 22:48	14	22	days	EHTR
Polychlorinated Biphenyls							
Polychlorinated Biphenyls							
	1	10-SEP-12	01-OCT-12 08:12	14	21	days	EHTR
	2	10-SEP-12	01-OCT-12 08:13	14	21	days	EHTR
	3	10-SEP-12	01-OCT-12 08:14	14	21	days	EHTR
	4	10-SEP-12	01-OCT-12 08:15	14	21	days	EHTR
	5	10-SEP-12	01-OCT-12 08:16	14	21	days	EHTR
	6	10-SEP-12	01-OCT-12 08:17	14	21	days	EHTR
	7	10-SEP-12	02-OCT-12 05:47	14	22	days	EHTR
	8	10-SEP-12	02-OCT-12 05:48	14	22	days	EHTR
	9	10-SEP-12	02-OCT-12 05:49	14	22	days	EHTR
	10	10-SEP-12	02-OCT-12 05:50	14	22	days	EHTR
Polychlorinated Biphenyls							
	11	10-SEP-12	02-OCT-12 22:00	14	22	days	EHTR
	13	10-SEP-12	02-OCT-12 22:03	14	22	days	EHTR
	15	10-SEP-12	02-OCT-12 22:04	14	22	days	EHTR
	17	10-SEP-12	02-OCT-12 22:05	14	22	days	EHTR
	19	10-SEP-12	02-OCT-12 22:06	14	22	days	EHTR
	21	10-SEP-12	02-OCT-12 22:07	14	22	days	EHTR
	23	10-SEP-12	02-OCT-12 22:08	14	22	days	EHTR

Quality Control Report

Workorder: L1216448

Report Date: 05-OCT-12

Client: Department of National Defence - Royal Military College
Environmental Sciences Group
Kingston ON K7K7B4
Contact: CANDICE CASUCCI

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Hold Time Exceedances:

ALS Product Description	Sample ID	Sampling Date	Date Processed	Rec. HT	Actual HT	Units	Qualifier
Polychlorinated Biphenyls							
Polychlorinated Biphenyls	25	10-SEP-12	02-OCT-12 22:09	14	22	days	EHTR
	27	10-SEP-12	02-OCT-12 22:10	14	22	days	EHTR
	29	10-SEP-12	02-OCT-12 22:11	14	22	days	EHTR
	31	10-SEP-12	02-OCT-12 22:12	14	22	days	EHTR
	33	10-SEP-12	02-OCT-12 22:13	14	22	days	EHTR
	35	10-SEP-12	02-OCT-12 22:14	14	22	days	EHTR
	37	10-SEP-12	02-OCT-12 22:15	14	22	days	EHTR
	39	10-SEP-12	02-OCT-12 22:16	14	22	days	EHTR
	41	10-SEP-12	02-OCT-12 22:17	14	22	days	EHTR
	43	10-SEP-12	02-OCT-12 22:18	14	22	days	EHTR
	45	10-SEP-12	02-OCT-12 22:19	14	22	days	EHTR
	47	10-SEP-12	03-OCT-12 22:02	14	23	days	EHTR
	49	10-SEP-12	03-OCT-12 22:05	14	23	days	EHTR
	51	10-SEP-12	03-OCT-12 22:06	14	23	days	EHTR
	53	10-SEP-12	03-OCT-12 22:07	14	23	days	EHTR
	55	10-SEP-12	03-OCT-12 22:08	14	23	days	EHTR
	57	10-SEP-12	03-OCT-12 22:09	14	23	days	EHTR
	59	10-SEP-12	03-OCT-12 22:10	14	23	days	EHTR
	61	10-SEP-12	03-OCT-12 22:11	14	23	days	EHTR
	63	10-SEP-12	03-OCT-12 22:12	14	23	days	EHTR
	66	10-SEP-12	03-OCT-12 22:13	14	23	days	EHTR
	69	10-SEP-12	03-OCT-12 22:14	14	23	days	EHTR
	71	10-SEP-12	03-OCT-12 22:15	14	23	days	EHTR
	73	10-SEP-12	03-OCT-12 22:16	14	23	days	EHTR
	74	10-SEP-12	03-OCT-12 22:17	14	23	days	EHTR
	78	10-SEP-12	03-OCT-12 22:18	14	23	days	EHTR
	80	10-SEP-12	03-OCT-12 22:19	14	23	days	EHTR
	82	10-SEP-12	03-OCT-12 22:20	14	23	days	EHTR
	84	10-SEP-12	03-OCT-12 22:21	14	23	days	EHTR
	88	10-SEP-12	03-OCT-12 22:22	14	23	days	EHTR
	89	10-SEP-12	03-OCT-12 22:23	14	23	days	EHTR
	91	10-SEP-12	03-OCT-12 16:29	14	23	days	EHTR
	93	10-SEP-12	03-OCT-12 16:30	14	23	days	EHTR
	95	10-SEP-12	03-OCT-12 16:31	14	23	days	EHTR
	98	10-SEP-12	03-OCT-12 16:32	14	23	days	EHTR
	100	10-SEP-12	03-OCT-12 16:33	14	23	days	EHTR

Legend & Qualifier Definitions:

EHTR-FM: Exceeded ALS recommended hold time prior to sample receipt. Field Measurement recommended.
EHTR: Exceeded ALS recommended hold time prior to sample receipt.
EHTL: Exceeded ALS recommended hold time prior to analysis. Sample was received less than 24 hours prior to expiry.
EHT: Exceeded ALS recommended hold time prior to analysis.
Rec. HT: ALS recommended hold time (see units).

Notes*:
Where actual sampling date is not provided to ALS, the date (& time) of receipt is used for calculation purposes.
Where actual sampling time is not provided to ALS, the earlier of 12 noon on the sampling date or the time (& date) of receipt is used for calculation purposes. Samples for L1216448 were received on 28-SEP-12 14:25.

ALS recommended hold times may vary by province. They are assigned to meet known provincial and/or federal government requirements. In the absence of regulatory hold times, ALS establishes recommendations based on guidelines published by the US EPA, APHA Standard Methods, or Environment Canada (where available). For more information, please contact ALS.

Quality Control Report

Workorder: L1216448

Report Date: 05-OCT-12

Client: Department of National Defence - Royal Military College
Environmental Sciences Group
Kingston ON K7K7B4

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Contact: CANDICE CASUCCI

The ALS Quality Control Report is provided to ALS clients upon request. ALS includes comprehensive QC checks with every analysis to ensure our high standards of quality are met. Each QC result has a known or expected target value, which is compared against pre-determined data quality objectives to provide confidence in the accuracy of associated test results.

Please note that this report may contain QC results from anonymous Sample Duplicates and Matrix Spikes that do not originate from this Work Order.

ESG Request for Analysis at ALS

Request # 12-192
 Project FOX-3-mon-DLCU
 Date 10-Sep-12
 Author Kathryn Eagles
 Due Date 10-Oct-12

Summary

Note: The analysis and report for each batch of samples (20 or less) must include at least one MD, one DUP and one LCS.

Detection Limits

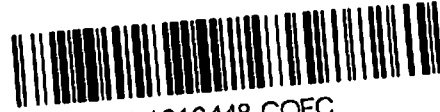
For Inorganic water analysis: Cu (<0.005 mg/L), Ni (<0.01 mg/L), Co (<0.005 mg/L), Cd (<0.001 mg/L), Pb (<0.01 mg/L), Zn (<0.005 mg/L), Cr (<0.005 mg/L), As (<0.05 mg/L)
 For Mercury water analysis: <0.001 mg/L
 For Total PCBs water analysis: <0.003 mg/L
 For CCME F2-F4 (no BTEX or PAH) water analysis: F2 (<0.50 mg/L) F3 (<1.0 mg/L) F4 (<1.0 mg/L)
 For Total PCBs soil analysis: <0.05 ppm
 For Inorganic soil analysis: Cu (<3.0 ppm), Ni (<5.0 ppm), Co (<5.0 ppm), Cd (<1.0 ppm), Pb (<10 ppm), Zn (<15 ppm), Cr (<20 ppm), As (<0.2 ppm), Hg (<0.10 ppm)
 For CCME F1-F4 (no BTEX or PAH) soil analysis: F1 (<10 ppm) F2 (<4.0 ppm), F3 (<9.0 ppm), F4 (<8.0 ppm)

B221

L1216431

L1216448

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L1216448-COFC

TN	Analysis	
50000	Inorganics	
50000	Mercury	1
50000	Total PCBs	
50000	CCME F2-F4 (no BTEX or PAH)	
50001	Inorganics	
50001	Mercury	2
50001	Total PCBs	
50001	CCME F2-F4 (no BTEX or PAH)	
50002	Inorganics	
50002	Mercury	3
50002	Total PCBs	
50002	CCME F2-F4 (no BTEX or PAH)	
50003	Inorganics	
50003	Mercury	4
50003	Total PCBs	
50003	CCME F2-F4 (no BTEX or PAH)	
50004	Inorganics	
50004	Mercury	5
50004	Total PCBs	
50004	CCME F2-F4 (no BTEX or PAH)	
50005	Inorganics	
50005	Mercury	6
50005	Total PCBs	
50005	CCME F2-F4 (no BTEX or PAH)	
50006	Inorganics	
50006	Mercury	7
50006	Total PCBs	
50006	CCME F2-F4 (no BTEX or PAH)	
50007	Inorganics	
50007	Mercury	8
50007	Total PCBs	
50007	CCME F2-F4 (no BTEX or PAH)	
50008	Inorganics	
50008	Mercury	9
50008	Total PCBs	
50008	CCME F2-F4 (no BTEX or PAH)	
50009	Mercury	
50009	Total PCBs	10
50009	CCME F2-F4 (no BTEX or PAH)	
19320	Total PCBs	11
19320	Inorganics	
19321	CCME F1-F4 (no BTEX or PAH)	12
19322	Total PCBs	13
19322	Inorganics	
19323	CCME F1-F4 (no BTEX or PAH)	14
19324	Total PCBs	15
19324	Inorganics	
19325	CCME F1-F4 (no BTEX or PAH)	16
19326	Total PCBs	17
19326	Inorganics	
19327	CCME F1-F4 (no BTEX or PAH)	18
19328	Total PCBs	19
19328	Inorganics	

WATER

SOIL

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19329	CCME F1-F4 (no BTEX or PAH)	20
19330	Total PCBs	> 21
19330	Inorganics	>
19331	CCME F1-F4 (no BTEX or PAH)	22
19332	Total PCBs	> 23
19332	Inorganics	>
19333	CCME F1-F4 (no BTEX or PAH)	24
19334	Total PCBs	> 25
19334	Inorganics	>
19335	CCME F1-F4 (no BTEX or PAH)	26
19336	Total PCBs	> 27
19336	Inorganics	>
19337	CCME F1-F4 (no BTEX or PAH)	28
19338	Total PCBs	> 29
19338	Inorganics	>
19339	CCME F1-F4 (no BTEX or PAH)	30
19340	Total PCBs	> 31
19340	Inorganics	>
19341	CCME F1-F4 (no BTEX or PAH)	32
19342	Total PCBs	> 33
19342	Inorganics	>
19343	CCME F1-F4 (no BTEX or PAH)	34
19344	Total PCBs	> 35
19344	Inorganics	>
19345	CCME F1-F4 (no BTEX or PAH)	36
19346	Total PCBs	> 37
19346	Inorganics	>
19347A	CCME F1-F4 (no BTEX or PAH)	38
19348	Total PCBs	> 39
19348	Inorganics	>
19349	CCME F1-F4 (no BTEX or PAH)	40
19350	Total PCBs	> 41
19350	Inorganics	>
19351	CCME F1-F4 (no BTEX or PAH)	42
19352	Total PCBs	> 43
19352	Inorganics	>
19353	CCME F1-F4 (no BTEX or PAH)	44
19354	Total PCBs	> 45
19354	Inorganics	>
19355	CCME F1-F4 (no BTEX or PAH)	46
19356	Total PCBs	> 47
19356	Inorganics	>
19357	CCME F1-F4 (no BTEX or PAH)	48
19358	Total PCBs	> 49
19358	Inorganics	>
19359	CCME F1-F4 (no BTEX or PAH)	50
19360	Total PCBs	> 51
19360	Inorganics	>
19361	CCME F1-F4 (no BTEX or PAH)	52
19362	Total PCBs	> 53
19362	Inorganics	>
19363	CCME F1-F4 (no BTEX or PAH)	54
19364	Total PCBs	> 55
19364	Inorganics	>
19365	CCME F1-F4 (no BTEX or PAH)	56
19366	Total PCBs	> 57
19366	Inorganics	>
19367	CCME F1-F4 (no BTEX or PAH)	58
19368	Total PCBs	> 59
19368	Inorganics	>
19369	CCME F1-F4 (no BTEX or PAH)	60
19370	Total PCBs	> 61
19370	Inorganics	>
19371	CCME F1-F4 (no BTEX or PAH)	62
19372	Total PCBs	> 63
19372	Inorganics	>
19374A	CCME F1-F4 (no BTEX or PAH)	64
19374B	CCME F1-F4 (no BTEX or PAH)	65
19374C	Total PCBs	> 66
19374	Inorganics	>
19375	CCME F1-F4 (no BTEX or PAH)	68
19376	Total PCBs	> 69
19376	Inorganics	>
19377	CCME F1-F4 (no BTEX or PAH)	70



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19378	Total PCBs	> 70
19378	Inorganics	71
19379	CCME F1-F4 (no BTEX or PAH)	72
19380A	Total PCBs	73
19381A	Total PCBs	74
19381	Inorganics	75
19381B	CCME F1-F4 (no BTEX or PAH)	76
19381C	CCME F1-F4 (no BTEX or PAH)	77
19382	Total PCBs	78
19382	Inorganics	79
19383	CCME F1-F4 (no BTEX or PAH)	80
19384	Total PCBs	81
19384	Inorganics	82
19385	CCME F1-F4 (no BTEX or PAH)	83
19386	Total PCBs	84
19386	Inorganics	85
19387A	CCME F1-F4 (no BTEX or PAH)	86
19388A	Total PCBs	87
19388	Inorganics	88
19388B	CCME F1-F4 (no BTEX or PAH)	89
19388C	CCME F1-F4 (no BTEX or PAH)	90
19389	Total PCBs	91
19389	Inorganics	92
19390	Total PCBs	93
19390	Inorganics	94
19391	CCME F1-F4 (no BTEX or PAH)	95
19392	Total PCBs	96
19392	Inorganics	97
19393	CCME F1-F4 (no BTEX or PAH)	98
19394A	Total PCBs	99
19495A	CCME F1-F4 (no BTEX or PAH)	100
19495B	Total PCBs	101
19495	Inorganics	102
19495C	CCME F1-F4 (no BTEX or PAH)	103
19496	Total PCBs	104
19496	Inorganics	105
19497	CCME F1-F4 (no BTEX or PAH)	106
19498	Total PCBs	107
19498	Inorganics	108
19499	CCME F1-F4 (no BTEX or PAH)	109



L1216448-COFC

3/3

ANALYTICAL SCIENCES GROUP AND SLOWPOKE-2 FACILITY AT RMC
GROUP DES SCIENCES ANALYTIQUES ET FACILITÉ SLOWPOKE-2 AU CMR
Dept. of Chem. and Chem. Eng. - Dépt. de chimie et de génie chimique
Royal Military College of Canada - Collège militaire royal du Canada
P.O. Box 17000 Stn. Forces, Kingston, ON, K7K 7B4
Tel: 613-541-6000 x6684 / Fax: 613-545-8341

Client: ESG
12 Verite Ave
Dept. of Chem. / Chem. Eng., RMC
P.O. Box 17000, Stn. Forces
Kingston, Ontario K7K 7B4
(613) 541-6000 ext 6567
Fax: (613) 541-6596

ASG Login No: 23033
Site: Fox-3
Client No: 12-194
Samples Received: 27-Sep-12
Date of analysis: 27-Sep-12
Method No: ASG 015
Date Reported: 01-Oct-12
Sheet No: 1 of 1

RESULTS OF ULTRA LOW PCB IN WATER ANALYSIS

Sample Type **	Sample I.D.	Unit	Aroclor 1254	Aroclor 1260
W	50003	mg/L	< 0.00002	< 0.00002

** O = Oil, S = Soil, C = Concrete, PC = Paint Chips, SW = Swabs, W = Water, P = Plants

LABORATORY QA/QC

	Blank	mg/L	< 0.00002	< 0.00002
	Control Sample	mg/L	< 0.00002	0.00058
	Control Sample Target	mg/L	< 0.00002	0.00050

All results corrected for the recovery of the surrogate decachlorobiphenyl

*Average result of duplicate

The results reported here relate only to the items tested.

Prepared By: _____
Chad Hind, Analyst

Authorization: Julie McDonald, Lab Manager
ULPCBw23033r1.xls

ASU #	14391		Report ID:	FOX-3 W1					
Client:	ESG		Date Submitted:	27-Sep-12					
			Date tested:	01-Oct-12					
Site:	FOX-3		Date:	03-Oct-12					
	12-194		Matrix:	Water					
Report of Analysis									
Results relate only to the items tested									
Total Metals	Results in mg/L								
SAMPLE	Cu	Ni	Co	Cd	Pb	Zn	Cr	As	
12-50003	0.018	0.26	0.073	0.002	<0.010	0.084	0.14	<0.003	
Blank	<0.005	<0.005	<0.003	<0.001	<0.010	<0.010	<0.005	<0.003	
Control	1.7	1.7	1.7	0.79	8.5	3.1	0.87	0.87	
Control Target	1.6	1.6	1.6	0.80	8.0	3.0	0.80	0.80	

ASU #	14391		Report ID:	FOX-3 S1					
Client:	ESG		Date Submitted:	27-Sep-12					
			Date Tested:	01-Oct-12					
Site:	FOX-3		Date Reported:	04-Oct-12					
ESG#	12-194		Matrix:	Soil					
Report of Analysis by ICP/OES and ICP/MS			All results in ug/g						
Results relate only to the items tested									
Sample	Cu	Ni	Co	Cd	Pb	Zn	Cr	As	
12-19347	38.1	34.5	10.3	<1.0	<10	71	79	10.9	
12-19373	54.2	40.8	11.5	<1.0	11	83	96	15.7	
12-19380	38.0	30.5	8.4	<1.0	11	55	71	13.0	
12-19387	30.1	30.1	10.1	<1.0	<10	58	73	12.9	*
12-19394	37.9	30.7	9.2	<1.0	11	68	74	10.9	
Blank	<3.0	<5.0	<5.0	<1.0	<10	<15	<20	<0.2	
MESS-3	33.0	39.9	12.0	<1.0	19	140	41	16.3	
12-19387	29.3	29.6	9.6	<1.0	<10	56	71	13.0	
12-19387	30.9	30.5	10.5	<1.0	<10	59	74	12.8	

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ASG Login No: 23033

Site: Fox-3

Client No: 12-194

Samples Received: 27-Sep-12

Date of analysis: 19-Oct-12

Method No: ASG 021

Date Reported: 19-Oct-12

Sheet: 1 of 1

RESULTS OF MERCURY IN WATER ANALYSIS

Sample ID	Mercury^ µg/L
50003	< 0.4

LABORATORY QA/QC

Sample ID	Mercury^ µg/L
Blank	< 0.4
Control Target	4.0
Control Sample	4.3

^ Acid digestion performed

Reported at 0.4 µg/L detection limit

The results reported here relate only to the items tested.

Prepared By: _____
Curtis McDonald;
Analyst

Authorization: _____
Julie McDonald;
Laboratory Manager
Test Report I.D: Hgwt23033r1.xls

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ASG Login No: 23033

Site: Fox-3

Client No: 12-194

Samples Received: 27-Sep-12

Date of analysis: 1-Oct-12

Method No: ASG 005C

Date Reported: 19-Oct-12

Sheet No: 1 of 1

RESULTS OF PCB ANALYSIS

Sample Type **	Sample I.D.	Unit	Aroclor 1254	Aroclor 1260
S	19347	µg/g	< 0.05	< 0.05
S	19373	µg/g	< 0.05	< 0.05
S	19380	µg/g	< 0.05	< 0.05
S	19394	µg/g	< 0.05	< 0.05

** O = Oil, S = Soil, C = Concrete, PC = Paint Chips, SW = Swabs, W = Water, P = Plants
~ Low surrogate recovery

LABORATORY QA/QC

	Blank~	µg/g	< 0.05	< 0.05
	Control Sample	µg/g	4.7	< 0.05
	Control Sample Target	µg/g	5.0	< 0.05

All results corrected for the recovery of the surrogate decachlorobiphenyl

The results reported here relate only to the items tested.

Prepared By: _____
Julie McDonald ; Laboratory Manager

Authorization: _____
David Kelly ; Director
PCBs23033r1.xls

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ASG Login No: 23033
Site: Fox-3
Client Login No: 12-194
Date Sampled: 24-Aug-12
Samples Received: 27-Sep-12
Date of analysis: 28-Sep-12
Method No: ASG 053 ~
Date Reported: 19-Oct-12
Sheet: 1 of 1

RESULTS OF PHC IN SOIL ANALYSIS - F1 FRACTION[^]

Sample I.D.	Unit	F1 Fraction (ppm)
19347	mg/kg	< 10
19373	mg/kg	< 10
19380	mg/kg	< 10
19387	mg/kg	< 10
19394	mg/kg	< 10

LABORATORY QA/QC SECTION

Blank	mg/kg	< 10
Gasoline Control	mg/kg	30
Gasoline Control Target	mg/kg	29

[^] BTEX contribution to F1 fraction not subtracted from reported values

* Averaged result of duplicates

~ This method complies with the reference method for the CWS PHC and is validated for use in the laboratory.
Average response factors for hexane and decane were within 30% of the toluene response factor.
Linearity of calibration standards is within 15%.
Extraction and analysis holding times for samples were met.

The results reported here relate only to the items tested

Prepared by: _____
Chad Hind ; Analyst

Authorization: _____
Julie McDonald, Laboratory Manager

PHCs23033r1(F1).xls

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ASG Login No: 23033
Site: Fox-3
Client Login No: 12-194
Samples Received: 27-Sep-12
Date of analysis: 28-Sep-12
Date Sampled: 24-Aug-12
Method No: ASG053
Date Reported: 19-Oct-12
Sheet: 1 of 1

RESULTS OF PHC IN SOIL ANALYSIS[^]

Sample I.D.	Unit	F2 Fraction (ppm)	F3 Fraction (ppm)	F4 Fraction (ppm)	F4G (ppm)
19347	mg/kg	< 4.0	17	14	N/A
19373	mg/kg	< 4.0	< 9.0	< 8.0	N/A
19380	mg/kg	< 4.0	20	11	N/A
19387	mg/kg	< 4.0	10	< 8.0	N/A
19394	mg/kg	< 4.0	< 9.0	< 8.0	N/A

LABORATORY QA/QC FOR F2-F4 FRACTIONS

Sample I.D.	Unit	F2 Fraction (ppm)	F3 Fraction (ppm)	F4 Fraction (ppm)	F4G (ppm)
Blank	mg/kg	< 4.0	< 9.0	< 8.0	N/A

Diesel Spike	mg/kg	37
Diesel Spike Target	mg/kg	50
Control Standard	mg/kg	2700
Control Standard Target	mg/kg	2500

[^]PAH contributions to F2-F4 not subtracted from reported values.

~The method used complies with the Reference Method for the CWS PHC.

*Averaged result of duplicate

Gravimetric heavy hydrocarbons cannot be added to the C6-C50 hydrocarbons.
The chromatogram descended to baseline by the C50 retention time.
Average response factors for C10, C16, C34 were within 10% of each other.
C50 response factor was within 70% of the C10, C16, C34 average response factor.
Linearity of calibration standards was within 15%.
Extraction and analysis holding times for samples were met.

The results reported here relate only to the items tested.

Prepared By: _____
Julie McDonald ; Laboratory Manager

Authorization: _____
David Kelly ; Director
Test Report I.D: PHCs23033r1(F2-F4).xls

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ASG Login No: 22033
Site: Fox-3
Client Login No: 12-194
Date Sampled: 26-Sep-12
Samples Received: 24-Aug-12
Date of analysis: 05-Oct-12
Method No: ASG 055 ~
Date Reported: 12-Oct-12
Sheet: 1 of 1

RESULTS OF PHC IN WATER ANALYSIS - F1 FRACTION[^]

Sample I.D.	Unit	F1 Fraction (ppm)
50000	mg/L	< 0.05
50001	mg/L	< 0.05
50002	mg/L	< 0.05
50003	mg/L	< 0.05
50004	mg/L	< 0.05
50005	mg/L	< 0.05
50006	mg/L	< 0.05
50007	mg/L	< 0.05
50008	mg/L	< 0.05
50009	mg/L	< 0.05
50003-1L	mg/L	< 0.05

LABORATORY QA/QC SECTION

Blank	mg/L	< 0.05
Gasoline Control Sample	mg/L	0.17
Gasoline Control Target	mg/L	0.16

[^] BTEX contribution to F1 fraction not subtracted from reported values

Average response factors for hexane and decane were within 30% of the toluene response factor.
Linearity of calibration standards is within 15%.

The results reported here relate only to the items tested

Prepared by: _____
Chad Hind, Analyst

Authorization: _____
Julie McDonald, Laboratory Manager

PHCw23033r1(F1).xls

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ASG Login No: 23033
Site: Fox-3
Client Login No: 12-194
Samples Received: 27-Sep-12
Date of analysis: 12-Oct-12
Date Sampled: 24-Aug-12
Method No: ASG055
Date Reported: 18-Oct-12
Sheet: 1 of 1

RESULTS OF PHC IN WATER ANALYSIS^

Sample I.D.	Unit	F2 Fraction (ppm)	F3 Fraction (ppm)	F4 Fraction (ppm)	F4G (ppm)
50003	mg/L	< 0.5	< 1.0	< 1.0	N/A

LABORATORY QA/QC FOR F2-F4 FRACTIONS

Sample I.D.	Unit	F2 Fraction (ppm)	F3 Fraction (ppm)	F4 Fraction (ppm)	F4G (ppm)
Blank	mg/L	< 0.5	< 1.0	< 1.0	N/A

Diesel Spike	mg/L	5.6
Diesel Spike Target	mg/L	5.0
Control Standard	mg/L	2600
Control Standard Target	mg/L	2500

^PAH contributions to F2-F4 not subtracted from reported values.

~The method used complies with the Reference Method for the CWS PHC.

*Averaged result of duplicate

Gravimetric heavy hydrocarbons cannot be added to the C6-C50 hydrocarbons.
The chromatogram descended to baseline by the C50 retention time.
Average response factors for C10, C16, C34 were within 10% of each other.
C50 response factor was within 70% of the C10, C16, C34 average response factor.
Linearity of calibration standards was within 15%.
Extraction and analysis holding times for samples were met.

Authorization: _____
Steve White ; Senior Analyst
Test Report I.D: PHCw23033r1(F2-F4).xls

Julie McDonald ; Laboratory Manager