

US EPA ARCHIVE DOCUMENT



**United States Environmental Protection Agency
Region 9 Laboratory**

1337 S. 46th Street Building 201
Richmond, CA 94804

Date: 3/25/2011

Subject: Analytical Testing Results - Project R11R03
SDG: 11042A

From: Brenda Bettencourt, Director
EPA Region 9 Laboratory
MTS-2

To: Cameron McDonald
RCRA Enforcement Office
WST-3

Attached are the results from the analysis of samples from the **Western Environmental, Inc. 2011 RCRA Inspection** project. These data have been reviewed in accordance with EPA Region 9 Laboratory policy.

A full documentation package for these data, including raw data and sample custody documentation, is on file at the EPA Region 9 Laboratory. If you would like to request additional review and/or validation of the data, please contact Eugenia McNaughton at the Region 9 Quality Assurance Office.

If you have any questions, please ask for Richard Bauer, the Lab Project Manager at (510)412-2300.

Analyses included in this report:

PCB Aroclors by GC/ECD

PCB Aroclors by GC/ECD

Percent Solids

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**United States Environmental Protection Agency
Region 9 Laboratory**

1337 S. 46th Street, Building 201, Richmond, CA 94804
Phone:(510) 412-2300 Fax:(510) 412-2302

Project Manager: Cameron McDonald	RCRA Enforcement Office	SDG: 11042A
Project Number: R11R03	75 Hawthorne Street	Reported: 03/25/11 18:14
Project: Western Environmental, Inc. 2011 RCRA Inspection	San Francisco CA, 94105	

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Collected	Date Received
CFUA-1	1102011-01	Soil	02/09/11 14:29	02/10/11 16:30
CFUA-2	1102011-02	Soil	02/09/11 14:40	02/10/11 16:30
CFUA-3	1102011-03	Soil	02/09/11 14:47	02/10/11 16:30
CFUA-4	1102011-04	Soil	02/09/11 14:57	02/10/11 16:30
CFUA-5	1102011-05	Soil	02/09/11 14:57	02/10/11 16:30
CFUA-6	1102011-06	Soil	02/09/11 15:05	02/10/11 16:30
CFUB-1	1102011-07	Soil	02/09/11 13:09	02/10/11 16:30
CFUB-2	1102011-08	Soil	02/09/11 13:21	02/10/11 16:30
CFUB-3	1102011-09	Soil	02/09/11 13:38	02/10/11 16:30
CFUB-4	1102011-10	Soil	02/09/11 13:46	02/10/11 16:30
CFUB-5	1102011-11	Soil	02/09/11 13:48	02/10/11 16:30
OSPTA-1	1102011-12	Soil	02/09/11 08:00	02/10/11 16:30
OSPTA-2	1102011-13	Soil	02/09/11 08:00	02/10/11 16:30
OSPTA-3	1102011-14	Soil	02/09/11 08:26	02/10/11 16:30
OSPTA-4	1102011-15	Soil	02/09/11 08:42	02/10/11 16:30
OSPTA-5	1102011-16	Soil	02/09/11 08:58	02/10/11 16:30
OSPTA-6	1102011-17	Soil	02/09/11 08:58	02/10/11 16:30
ISPPA-1	1102011-18	Soil	02/09/11 15:36	02/10/11 16:30
ISPPA-2	1102011-19	Soil	02/09/11 15:43	02/10/11 16:30
ISPPA-3	1102011-20	Soil	02/09/11 15:49	02/10/11 16:30
ISPPA-4	1102011-21	Soil	02/09/11 15:59	02/10/11 16:30
ISPPA-5	1102011-22	Soil	02/09/11 16:00	02/10/11 16:30

SDG ID 11042A

PCB's: Many samples contained more than one Aroclor. Samples containing more than one Aroclor may result in overlapping chromatographic peaks. Therefore, peaks that were not representative of the specific Aroclor in the sample were removed from the data set by using the Q test.

All samples were cleaned with copper prior to analysis to remove sulfur that was present in the sample extracts. Extracts for samples 1102011-14 through 17, 21, and 22 were also cleaned with alumina.

The two MS/MSDs did not meet recovery criteria. Although 1016/1260 were not detected in the original sample based on pattern matching, interfering peaks contributed to the observed concentrations of these spike compounds in the MS/MSD.

Samples 1102011-01 and -20 contained Aroclor 1262 which contains decachlorobiphenyl (DCB). DCB is also used as a surrogate in this analysis. Therefore, elevated DCB recoveries were observed. However, recoveries of the other surrogate, tetrachloro-m-xylene (TCMX) were within QC limits for the samples.

Work Order(s)

1102011



United States Environmental Protection Agency Region 9 Laboratory

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Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
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Lab ID: 1102011-01 **Soil - Sampled: 02/09/11 14:29**

Polychlorinated Biphenyls by EPA Method 8082A									
Aroclor 1016	RE1	ND	J, Q4, U	18	ug/kg dry	B1B0053	02/16/11	02/24/11	8082A/SOP335
Aroclor 1221	RE1	ND	U	36	"	"	"	"	8082A/SOP335
Aroclor 1232	RE1	ND	U	18	"	"	"	"	8082A/SOP335
Aroclor 1242	RE1	ND	U	18	"	"	"	"	8082A/SOP335
Aroclor-1248	RE1	790	J, Q7	18	"	"	"	"	8082A/SOP335
Aroclor 1254	RE1	860	J, Q7	18	"	"	"	"	8082A/SOP335
Aroclor 1260	RE1	ND	J, Q4, U	18	"	"	"	"	8082A/SOP335
Aroclor-1262	RE1	250	J, Q7	18	"	"	"	"	8082A/SOP335
Aroclor 1268	RE1	ND	U	18	"	"	"	"	8082A/SOP335
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>RE1</i>		86 %	20-151%		"	"	"	
<i>Surrogate: Decachlorobiphenyl</i>	<i>RE1</i>		166 %	28.8-154%		"	"	"	

Conventional Chemistry Parameters by APHA/EPA Methods									
Sample ID: CFUA-1						B1B0069	02/21/11	02/22/11	3550C/SOP460
% Solids		83		1	%				

Lab ID: 1102011-02 **Soil - Sampled: 02/09/11 14:40**

Polychlorinated Biphenyls by EPA Method 8082A									
Aroclor 1016	RE1	ND	U	18	ug/kg dry	B1B0053	02/16/11	02/24/11	8082A/SOP335
Aroclor 1221	RE1	ND	U	36	"	"	"	"	8082A/SOP335
Aroclor 1232	RE1	ND	U	18	"	"	"	"	8082A/SOP335
Aroclor 1242	RE1	ND	U	18	"	"	"	"	8082A/SOP335
Aroclor 1248	RE1	540		18	"	"	"	"	8082A/SOP335
Aroclor 1254	RE1	460		18	"	"	"	"	8082A/SOP335
Aroclor-1260	RE1	98		18	"	"	"	"	8082A/SOP335
Aroclor 1262	RE1	ND	U	18	"	"	"	"	8082A/SOP335
Aroclor 1268	RE1	ND	U	18	"	"	"	"	8082A/SOP335
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>RE1</i>		88 %	20-151%		"	"	"	
<i>Surrogate: Decachlorobiphenyl</i>	<i>RE1</i>		98 %	28.8-154%		"	"	"	

Conventional Chemistry Parameters by APHA/EPA Methods									
Sample ID: CFUA-2						B1B0069	02/21/11	02/22/11	3550C/SOP460
% Solids		83		1	%				

Lab ID: 1102011-03 **Soil - Sampled: 02/09/11 14:47**

Polychlorinated Biphenyls by EPA Method 8082A									
Aroclor 1016	RE1	ND	U	18	ug/kg dry	B1B0053	02/16/11	02/24/11	8082A/SOP335
Aroclor 1221	RE1	ND	U	36	"	"	"	"	8082A/SOP335
Aroclor 1232	RE1	ND	U	18	"	"	"	"	8082A/SOP335
Aroclor 1242	RE1	ND	U	18	"	"	"	"	8082A/SOP335
Aroclor 1248	RE1	400		18	"	"	"	"	8082A/SOP335
Aroclor 1254	RE1	350		18	"	"	"	"	8082A/SOP335
Aroclor-1260	RE1	83		18	"	"	"	"	8082A/SOP335



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Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
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Lab ID: 1102011-03 **Soil - Sampled: 02/09/11 14:47**

Sample ID: CFUA-3		Polychlorinated Biphenyls by EPA Method 8082A							
Aroclor 1262	RE1	ND	U	18	ug/kg dry	B1B0053	02/16/11	02/24/11	8082A/SOP335
Aroclor 1268	RE1	ND	U	18	"	"	"	"	8082A/SOP335
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>RE1</i>		95 %	20-151%		"	"	"	
<i>Surrogate: Decachlorobiphenyl</i>	<i>RE1</i>		112 %	28.8-154%		"	"	"	

Sample ID: CFUA-3		Conventional Chemistry Parameters by APHA/EPA Methods							
% Solids		82		1	%	B1B0069	02/21/11	02/22/11	3550C/SOP460

Lab ID: 1102011-04 **Soil - Sampled: 02/09/11 14:57**

Sample ID: CFUA-4		Polychlorinated Biphenyls by EPA Method 8082A							
Aroclor 1016	RE1	ND	U	18	ug/kg dry	B1B0053	02/16/11	02/24/11	8082A/SOP335
Aroclor 1221	RE1	ND	U	36	"	"	"	"	8082A/SOP335
Aroclor 1232	RE1	ND	U	18	"	"	"	"	8082A/SOP335
Aroclor 1242	RE1	ND	U	18	"	"	"	"	8082A/SOP335
Aroclor 1248	RE1	230		18	"	"	"	"	8082A/SOP335
Aroclor 1254	RE1	190		18	"	"	"	"	8082A/SOP335
Aroclor-1260	RE1	47		18	"	"	"	"	8082A/SOP335
Aroclor 1262	RE1	ND	U	18	"	"	"	"	8082A/SOP335
Aroclor 1268	RE1	ND	U	18	"	"	"	"	8082A/SOP335
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>RE1</i>		90 %	20-151%		"	"	"	
<i>Surrogate: Decachlorobiphenyl</i>	<i>RE1</i>		99 %	28.8-154%		"	"	"	

Sample ID: CFUA-4		Conventional Chemistry Parameters by APHA/EPA Methods							
% Solids		83		1	%	B1B0069	02/21/11	02/22/11	3550C/SOP460

Lab ID: 1102011-05 **Soil - Sampled: 02/09/11 14:57**

Sample ID: CFUA-5		Polychlorinated Biphenyls by EPA Method 8082A							
Aroclor 1016	RE1	ND	U	18	ug/kg dry	B1B0053	02/16/11	02/24/11	8082A/SOP335
Aroclor 1221	RE1	ND	U	36	"	"	"	"	8082A/SOP335
Aroclor 1232	RE1	ND	U	18	"	"	"	"	8082A/SOP335
Aroclor 1242	RE1	ND	U	18	"	"	"	"	8082A/SOP335
Aroclor 1248	RE1	150		18	"	"	"	"	8082A/SOP335
Aroclor 1254	RE1	130		18	"	"	"	"	8082A/SOP335
Aroclor-1260	RE1	34		18	"	"	"	"	8082A/SOP335
Aroclor 1262	RE1	ND	U	18	"	"	"	"	8082A/SOP335
Aroclor 1268	RE1	ND	U	18	"	"	"	"	8082A/SOP335
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>RE1</i>		49 %	20-151%		"	"	"	
<i>Surrogate: Decachlorobiphenyl</i>	<i>RE1</i>		53 %	28.8-154%		"	"	"	

Sample ID: CFUA-5		Conventional Chemistry Parameters by APHA/EPA Methods							
% Solids		83		1	%	B1B0069	02/21/11	02/22/11	3550C/SOP460

Lab ID: 1102011-06 **Soil - Sampled: 02/09/11 15:05**



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Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
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Lab ID: 1102011-06 **Soil - Sampled: 02/09/11 15:05**

Sample ID: CFUA-6 **Polychlorinated Biphenyls by EPA Method 8082A**

Aroclor 1016	RE1	ND	U	18	ug/kg dry	B1B0053	02/16/11	02/24/11	8082A/SOP335
Aroclor 1221	RE1	ND	U	36	"	"	"	"	8082A/SOP335
Aroclor 1232	RE1	ND	U	18	"	"	"	"	8082A/SOP335
Aroclor 1242	RE1	ND	U	18	"	"	"	"	8082A/SOP335
Aroclor 1248	RE2	1,300		180	"	"	"	03/01/11	8082A/SOP335
Aroclor 1254	RE2	1,700		180	"	"	"	"	8082A/SOP335
Aroclor-1260	RE1	200		18	"	"	"	02/24/11	8082A/SOP335
Aroclor 1262	RE1	ND	U	18	"	"	"	"	8082A/SOP335
Aroclor 1268	RE1	ND	U	18	"	"	"	"	8082A/SOP335
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>RE1</i>		89 %	20-151%		"	"	"	
<i>Surrogate: Decachlorobiphenyl</i>	<i>RE1</i>		109 %	28.8-154%		"	"	"	

Sample ID: CFUA-6 **Conventional Chemistry Parameters by APHA/EPA Methods**

% Solids	83	1	%	B1B0069	02/21/11	02/22/11	3550C/SOP460
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Lab ID: 1102011-07 **Soil - Sampled: 02/09/11 13:09**

Sample ID: CFUB-1 **Polychlorinated Biphenyls by EPA Method 8082A**

Aroclor 1016	RE1	ND	U	17	ug/kg dry	B1B0053	02/16/11	02/24/11	8082A/SOP335
Aroclor 1221	RE1	ND	U	33	"	"	"	"	8082A/SOP335
Aroclor 1232	RE1	ND	U	17	"	"	"	"	8082A/SOP335
Aroclor 1242	RE1	ND	U	17	"	"	"	"	8082A/SOP335
Aroclor 1248	RE1	72		17	"	"	"	"	8082A/SOP335
Aroclor-1254	RE1	72		17	"	"	"	"	8082A/SOP335
Aroclor-1260	RE1	26		17	"	"	"	"	8082A/SOP335
Aroclor 1262	RE1	ND	U	17	"	"	"	"	8082A/SOP335
Aroclor 1268	RE1	ND	U	17	"	"	"	"	8082A/SOP335
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>RE1</i>		88 %	20-151%		"	"	"	
<i>Surrogate: Decachlorobiphenyl</i>	<i>RE1</i>		101 %	28.8-154%		"	"	"	

Sample ID: CFUB-1 **Conventional Chemistry Parameters by APHA/EPA Methods**

% Solids	90	1	%	B1B0069	02/21/11	02/22/11	3550C/SOP460
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Lab ID: 1102011-08 **Soil - Sampled: 02/09/11 13:21**

Sample ID: CFUB-2 **Polychlorinated Biphenyls by EPA Method 8082A**

Aroclor 1016	RE1	ND	U	17	ug/kg dry	B1B0053	02/16/11	02/24/11	8082A/SOP335
Aroclor 1221	RE1	ND	U	34	"	"	"	"	8082A/SOP335
Aroclor 1232	RE1	ND	U	17	"	"	"	"	8082A/SOP335
Aroclor 1242	RE1	ND	U	17	"	"	"	"	8082A/SOP335
Aroclor 1248	RE1	170		17	"	"	"	"	8082A/SOP335
Aroclor 1254	RE1	230		17	"	"	"	"	8082A/SOP335
Aroclor-1260	RE1	58		17	"	"	"	"	8082A/SOP335



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Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
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Lab ID: 1102011-08 **Soil - Sampled: 02/09/11 13:21**

Sample ID: CFUB-2									
Polychlorinated Biphenyls by EPA Method 8082A									
Aroclor 1262	RE1	ND	U	17	ug/kg dry	B1B0053	02/16/11	02/24/11	8082A/SOP335
Aroclor 1268	RE1	ND	U	17	"	"	"	"	8082A/SOP335
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>RE1</i>		86 %	20-151%		"	"	"	
<i>Surrogate: Decachlorobiphenyl</i>	<i>RE1</i>		100 %	28.8-154%		"	"	"	

Sample ID: CFUB-2									
Conventional Chemistry Parameters by APHA/EPA Methods									
% Solids		89		1	%	B1B0069	02/21/11	02/22/11	3550C/SOP460

Lab ID: 1102011-09 **Soil - Sampled: 02/09/11 13:38**

Sample ID: CFUB-3									
Polychlorinated Biphenyls by EPA Method 8082A									
Aroclor-1016	RE1	ND	U	17	ug/kg dry	B1B0053	02/16/11	02/24/11	8082A/SOP335
Aroclor 1221	RE1	ND	U	34	"	"	"	"	8082A/SOP335
Aroclor 1232	RE1	ND	U	17	"	"	"	"	8082A/SOP335
Aroclor 1242	RE1	ND	U	17	"	"	"	"	8082A/SOP335
Aroclor 1248	RE1	180		17	"	"	"	"	8082A/SOP335
Aroclor 1254	RE1	180		17	"	"	"	"	8082A/SOP335
Aroclor 1260	RE1	46		17	"	"	"	"	8082A/SOP335
Aroclor 1262	RE1	ND	U	17	"	"	"	"	8082A/SOP335
Aroclor 1268	RE1	ND	U	17	"	"	"	"	8082A/SOP335
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>RE1</i>		89 %	20-151%		"	"	"	
<i>Surrogate: Decachlorobiphenyl</i>	<i>RE1</i>		91 %	28.8-154%		"	"	"	

Sample ID: CFUB-3									
Conventional Chemistry Parameters by APHA/EPA Methods									
% Solids		87		1	%	B1B0069	02/21/11	02/22/11	3550C/SOP460

Lab ID: 1102011-10 **Soil - Sampled: 02/09/11 13:46**

Sample ID: CFUB-4									
Polychlorinated Biphenyls by EPA Method 8082A									
Aroclor 1016	RE1	ND	U	17	ug/kg dry	B1B0053	02/16/11	02/24/11	8082A/SOP335
Aroclor 1221	RE1	ND	U	35	"	"	"	"	8082A/SOP335
Aroclor 1232	RE1	ND	U	17	"	"	"	"	8082A/SOP335
Aroclor 1242	RE1	ND	U	17	"	"	"	"	8082A/SOP335
Aroclor 1248	RE1	210		17	"	"	"	"	8082A/SOP335
Aroclor 1254	RE1	210		17	"	"	"	"	8082A/SOP335
Aroclor-1260	RE1	55		17	"	"	"	"	8082A/SOP335
Aroclor 1262	RE1	ND	U	17	"	"	"	"	8082A/SOP335
Aroclor 1268	RE1	ND	U	17	"	"	"	"	8082A/SOP335
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>RE1</i>		90 %	20-151%		"	"	"	
<i>Surrogate: Decachlorobiphenyl</i>	<i>RE1</i>		102 %	28.8-154%		"	"	"	

Sample ID: CFUB-4									
Conventional Chemistry Parameters by APHA/EPA Methods									
% Solids		86		1	%	B1B0069	02/21/11	02/22/11	3550C/SOP460

Lab ID: 1102011-11 **Soil - Sampled: 02/09/11 13:48**



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Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
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Lab ID: 1102011-11 **Soil - Sampled: 02/09/11 13:48**

Sample ID: CFUB-5 **Polychlorinated Biphenyls by EPA Method 8082A**

Aroclor 1016	RE1	ND	U	17	ug/kg dry	B1B0053	02/16/11	02/24/11	8082A/SOP335
Aroclor 1221	RE1	ND	U	35	"	"	"	"	8082A/SOP335
Aroclor 1232	RE1	ND	U	17	"	"	"	"	8082A/SOP335
Aroclor 1242	RE1	ND	U	17	"	"	"	"	8082A/SOP335
Aroclor 1248	RE1	240		17	"	"	"	"	8082A/SOP335
Aroclor 1254	RE1	380		17	"	"	"	"	8082A/SOP335
Aroclor-1260	RE1	63		17	"	"	"	"	8082A/SOP335
Aroclor 1262	RE1	ND	U	17	"	"	"	"	8082A/SOP335
Aroclor 1268	RE1	ND	U	17	"	"	"	"	8082A/SOP335
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>RE1</i>		84 %	20-151%		"	"	"	
<i>Surrogate: Decachlorobiphenyl</i>	<i>RE1</i>		92 %	28.8-154%		"	"	"	

Sample ID: CFUB-5 **Conventional Chemistry Parameters by APHA/EPA Methods**

% Solids	87	1	%	B1B0069	02/21/11	02/22/11	3550C/SOP460
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Lab ID: 1102011-12 **Soil - Sampled: 02/09/11 08:00**

Sample ID: OSPTA-1 **Polychlorinated Biphenyls by EPA Method 8082A**

Aroclor 1016		ND	J, Q4, U	18	ug/kg dry	B1B0056	02/17/11	02/25/11	8082A/SOP335
Aroclor 1221		ND	U	36	"	"	"	"	8082A/SOP335
Aroclor 1232		ND	U	18	"	"	"	"	8082A/SOP335
Aroclor 1242		ND	U	18	"	"	"	"	8082A/SOP335
Aroclor-1248		130		18	"	"	"	"	8082A/SOP335
Aroclor 1254		250		18	"	"	"	"	8082A/SOP335
Aroclor-1260		60	J, Q4, Q6	18	"	"	"	"	8082A/SOP335
Aroclor 1262		ND	U	18	"	"	"	"	8082A/SOP335
Aroclor 1268		ND	U	18	"	"	"	"	8082A/SOP335
<i>Surrogate: Tetrachloro-m-xylene</i>			87 %	20-151%		"	"	"	
<i>Surrogate: Decachlorobiphenyl</i>			78 %	28.8-154%		"	"	"	

Sample ID: OSPTA-1 **Conventional Chemistry Parameters by APHA/EPA Methods**

% Solids	83	1	%	B1B0069	02/21/11	02/22/11	3550C/SOP460
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Lab ID: 1102011-13 **Soil - Sampled: 02/09/11 08:00**

Sample ID: OSPTA-2 **Polychlorinated Biphenyls by EPA Method 8082A**

Aroclor 1016		ND	U	17	ug/kg dry	B1B0056	02/17/11	02/25/11	8082A/SOP335
Aroclor 1221		ND	U	33	"	"	"	"	8082A/SOP335
Aroclor 1232		ND	U	17	"	"	"	"	8082A/SOP335
Aroclor 1242		ND	U	17	"	"	"	"	8082A/SOP335
Aroclor-1248		58		17	"	"	"	"	8082A/SOP335
Aroclor 1254		65		17	"	"	"	"	8082A/SOP335
Aroclor-1260		38		17	"	"	"	"	8082A/SOP335



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Project Manager: Cameron McDonald Project Number: R11R03 Project: Western Environmental, Inc. 2011 RCRA Inspection	RCRA Enforcement Office 75 Hawthorne Street San Francisco CA, 94105	SDG: 11042A Reported: 03/25/11 18:14
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Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
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Lab ID: 1102011-13 **Soil - Sampled: 02/09/11 08:00**

Sample ID: OSPTA-2	Polychlorinated Biphenyls by EPA Method 8082A								
Aroclor 1262		ND	U	17	ug/kg dry	B1B0056	02/17/11	02/25/11	8082A/SOP335
Aroclor 1268		ND	U	17	"	"	"	"	8082A/SOP335
<i>Surrogate: Tetrachloro-m-xylene</i>			80 %	20-151%		"	"	"	
<i>Surrogate: Decachlorobiphenyl</i>			88 %	28.8-154%		"	"	"	

Sample ID: OSPTA-2	Conventional Chemistry Parameters by APHA/EPA Methods								
% Solids		90		1	%	B1B0069	02/21/11	02/22/11	3550C/SOP460

Lab ID: 1102011-14 **Soil - Sampled: 02/09/11 08:26**

Sample ID: OSPTA-3	Polychlorinated Biphenyls by EPA Method 8082A								
Aroclor 1016	RE2	ND	U	4.3	ug/kg dry	B1B0056	02/17/11	03/08/11	8082A/SOP335
Aroclor 1221	RE2	ND	U	8.5	"	"	"	"	8082A/SOP335
Aroclor 1232	RE2	ND	U	4.3	"	"	"	"	8082A/SOP335
Aroclor 1242	RE2	ND	U	4.3	"	"	"	"	8082A/SOP335
Aroclor 1248	RE2	ND	U	4.3	"	"	"	"	8082A/SOP335
Aroclor 1254	RE2	ND	U	4.3	"	"	"	"	8082A/SOP335
Aroclor 1260	RE2	ND	U	4.3	"	"	"	"	8082A/SOP335
Aroclor 1262	RE2	ND	U	4.3	"	"	"	"	8082A/SOP335
Aroclor 1268	RE2	ND	U	4.3	"	"	"	"	8082A/SOP335
<i>Surrogate: Tetrachloro-m-xylene</i>	RE2		76 %	20-151%		"	"	"	
<i>Surrogate: Decachlorobiphenyl</i>	RE2		53 %	28.8-154%		"	"	"	

Sample ID: OSPTA-3	Conventional Chemistry Parameters by APHA/EPA Methods								
% Solids		70		1	%	B1B0069	02/21/11	02/22/11	3550C/SOP460

Lab ID: 1102011-15 **Soil - Sampled: 02/09/11 08:42**

Sample ID: OSPTA-4	Polychlorinated Biphenyls by EPA Method 8082A								
Aroclor 1016	RE2	ND	U	3.2	ug/kg dry	B1B0056	02/17/11	03/08/11	8082A/SOP335
Aroclor 1221	RE2	ND	U	6.4	"	"	"	"	8082A/SOP335
Aroclor 1232	RE2	ND	U	3.2	"	"	"	"	8082A/SOP335
Aroclor 1242	RE2	ND	U	3.2	"	"	"	"	8082A/SOP335
Aroclor 1248	RE2	ND	U	3.2	"	"	"	"	8082A/SOP335
Aroclor 1254	RE2	ND	U	3.2	"	"	"	"	8082A/SOP335
Aroclor 1260	RE2	ND	U	3.2	"	"	"	"	8082A/SOP335
Aroclor 1262	RE2	6.2		3.2	"	"	"	"	8082A/SOP335
Aroclor 1268	RE2	ND	U	3.2	"	"	"	"	8082A/SOP335
<i>Surrogate: Tetrachloro-m-xylene</i>	RE2		70 %	20-151%		"	"	"	
<i>Surrogate: Decachlorobiphenyl</i>	RE2		64 %	28.8-154%		"	"	"	

Sample ID: OSPTA-4	Conventional Chemistry Parameters by APHA/EPA Methods								
% Solids		93		1	%	B1B0069	02/21/11	02/22/11	3550C/SOP460



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Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
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Lab ID: 1102011-16 **Soil - Sampled: 02/09/11 08:58**

Sample ID: OSPTA-5 **Polychlorinated Biphenyls by EPA Method 8082A**

Aroclor 1016	RE2	ND	U	4.5	ug/kg dry	B1B0056	02/17/11	03/08/11	8082A/SOP335
Aroclor 1221	RE2	ND	U	8.9	"	"	"	"	8082A/SOP335
Aroclor 1232	RE2	ND	U	4.5	"	"	"	"	8082A/SOP335
Aroclor 1242	RE2	ND	U	4.5	"	"	"	"	8082A/SOP335
Aroclor 1248	RE2	ND	U	4.5	"	"	"	"	8082A/SOP335
Aroclor 1254	RE2	18		4.5	"	"	"	"	8082A/SOP335
Aroclor-1260	RE2	9.0		4.5	"	"	"	"	8082A/SOP335
Aroclor 1262	RE2	ND	U	4.5	"	"	"	"	8082A/SOP335
Aroclor 1268	RE2	ND	U	4.5	"	"	"	"	8082A/SOP335
<i>Surrogate: Tetrachloro-m-xylene</i>	RE2		71 %	20-151%		"	"	"	
<i>Surrogate: Decachlorobiphenyl</i>	RE2		47 %	28.8-154%		"	"	"	

Sample ID: OSPTA-5 **Conventional Chemistry Parameters by APHA/EPA Methods**

% Solids		67		1	%	B1B0069	02/21/11	02/22/11	3550C/SOP460
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Lab ID: 1102011-17 **Soil - Sampled: 02/09/11 08:58**

Sample ID: OSPTA-6 **Polychlorinated Biphenyls by EPA Method 8082A**

Aroclor 1016	RE2	ND	U	4.5	ug/kg dry	B1B0056	02/17/11	03/08/11	8082A/SOP335
Aroclor 1221	RE2	ND	U	8.9	"	"	"	"	8082A/SOP335
Aroclor 1232	RE2	ND	U	4.5	"	"	"	"	8082A/SOP335
Aroclor 1242	RE2	ND	U	4.5	"	"	"	"	8082A/SOP335
Aroclor 1248	RE2	ND	U	4.5	"	"	"	"	8082A/SOP335
Aroclor 1254	RE2	25		4.5	"	"	"	"	8082A/SOP335
Aroclor-1260	RE2	8.5		4.5	"	"	"	"	8082A/SOP335
Aroclor 1262	RE2	ND	U	4.5	"	"	"	"	8082A/SOP335
Aroclor 1268	RE2	ND	U	4.5	"	"	"	"	8082A/SOP335
<i>Surrogate: Tetrachloro-m-xylene</i>	RE2		63 %	20-151%		"	"	"	
<i>Surrogate: Decachlorobiphenyl</i>	RE2		45 %	28.8-154%		"	"	"	

Sample ID: OSPTA-6 **Conventional Chemistry Parameters by APHA/EPA Methods**

% Solids		67		1	%	B1B0069	02/21/11	02/22/11	3550C/SOP460
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Lab ID: 1102011-18 **Soil - Sampled: 02/09/11 15:36**

Sample ID: ISPPA-1 **Polychlorinated Biphenyls by EPA Method 8082A**

Aroclor 1016	RE1	ND	U	3.5	ug/kg dry	B1B0056	02/17/11	03/01/11	8082A/SOP335
Aroclor 1221	RE1	ND	U	7.1	"	"	"	"	8082A/SOP335
Aroclor 1232	RE1	ND	U	3.5	"	"	"	"	8082A/SOP335
Aroclor 1242	RE1	ND	U	3.5	"	"	"	"	8082A/SOP335
Aroclor 1248	RE2	1,200		71	"	"	"	03/02/11	8082A/SOP335
Aroclor 1254	RE2	1,400		71	"	"	"	"	8082A/SOP335
Aroclor-1260		220		18	"	"	"	02/25/11	8082A/SOP335



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Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
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Lab ID: 1102011-18 **Soil - Sampled: 02/09/11 15:36**

Sample ID: ISPPA-1		Polychlorinated Biphenyls by EPA Method 8082A							
Aroclor 1262	RE1	ND	U	3.5	ug/kg dry	B1B0056	02/17/11	03/01/11	8082A/SOP335
Aroclor 1268	RE1	ND	U	3.5	"	"	"	"	8082A/SOP335
<i>Surrogate: Tetrachloro-m-xylene</i>			88 %	20-151%		"	"	02/25/11	
<i>Surrogate: Decachlorobiphenyl</i>			106 %	28.8-154%		"	"	"	

Sample ID: ISPPA-1		Conventional Chemistry Parameters by APHA/EPA Methods							
% Solids		85		1	%	B1B0069	02/21/11	02/22/11	3550C/SOP460

Lab ID: 1102011-19 **Soil - Sampled: 02/09/11 15:43**

Sample ID: ISPPA-2		Polychlorinated Biphenyls by EPA Method 8082A							
Aroclor 1016	RE1	ND	U	3.5	ug/kg dry	B1B0056	02/17/11	03/01/11	8082A/SOP335
Aroclor 1221	RE1	ND	U	7	"	"	"	"	8082A/SOP335
Aroclor 1232	RE1	ND	U	3.5	"	"	"	"	8082A/SOP335
Aroclor 1242	RE1	ND	U	3.5	"	"	"	"	8082A/SOP335
Aroclor 1248	RE2	1,900		70	"	"	"	03/02/11	8082A/SOP335
Aroclor 1254	RE2	2,100		70	"	"	"	"	8082A/SOP335
Aroclor-1260		250		17	"	"	"	02/25/11	8082A/SOP335
Aroclor 1262	RE1	ND	U	3.5	"	"	"	03/01/11	8082A/SOP335
Aroclor 1268	RE1	ND	U	3.5	"	"	"	"	8082A/SOP335
<i>Surrogate: Tetrachloro-m-xylene</i>			83 %	20-151%		"	"	02/25/11	
<i>Surrogate: Decachlorobiphenyl</i>			112 %	28.8-154%		"	"	"	

Sample ID: ISPPA-2		Conventional Chemistry Parameters by APHA/EPA Methods							
% Solids		86		1	%	B1B0069	02/21/11	02/22/11	3550C/SOP460

Lab ID: 1102011-20 **Soil - Sampled: 02/09/11 15:49**

Sample ID: ISPPA-3		Polychlorinated Biphenyls by EPA Method 8082A							
Aroclor 1016	RE1	ND	U	3.4	ug/kg dry	B1B0056	02/17/11	03/01/11	8082A/SOP335
Aroclor 1221	RE1	ND	U	6.7	"	"	"	"	8082A/SOP335
Aroclor 1232	RE1	ND	U	3.4	"	"	"	"	8082A/SOP335
Aroclor 1242	RE1	ND	U	3.4	"	"	"	"	8082A/SOP335
Aroclor 1248	RE2	1,300	J, Q7	67	"	"	"	03/02/11	8082A/SOP335
Aroclor 1254	RE2	1,400	J, Q7	67	"	"	"	"	8082A/SOP335
Aroclor-1260		240	J, Q7	17	"	"	"	02/25/11	8082A/SOP335
Aroclor 1262	RE1	ND	U	3.4	"	"	"	03/01/11	8082A/SOP335
Aroclor 1268	RE1	ND	U	3.4	"	"	"	"	8082A/SOP335
<i>Surrogate: Tetrachloro-m-xylene</i>			81 %	20-151%		"	"	02/25/11	
<i>Surrogate: Decachlorobiphenyl</i>			493 %	28.8-154%		"	"	"	

Sample ID: ISPPA-3		Conventional Chemistry Parameters by APHA/EPA Methods							
% Solids		89		1	%	B1B0069	02/21/11	02/22/11	3550C/SOP460

Lab ID: 1102011-21 **Soil - Sampled: 02/09/11 15:59**



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Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
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Lab ID: 1102011-21 **Soil - Sampled: 02/09/11 15:59**

Sample ID:	ISPPA-4	Polychlorinated Biphenyls by EPA Method 8082A							
Aroclor 1016	RE2	ND	U	3.2	ug/kg dry	B1B0056	02/17/11	03/08/11	8082A/SOP335
Aroclor 1221	RE2	ND	U	6.5	"	"	"	"	8082A/SOP335
Aroclor 1232	RE2	ND	U	3.2	"	"	"	"	8082A/SOP335
Aroclor 1242	RE2	ND	U	3.2	"	"	"	"	8082A/SOP335
Aroclor 1248	RE2	ND	U	3.2	"	"	"	"	8082A/SOP335
Aroclor 1254	RE2	ND	U	3.2	"	"	"	"	8082A/SOP335
Aroclor 1260	RE2	ND	U	3.2	"	"	"	"	8082A/SOP335
Aroclor 1262	RE2	2.5	C1, J	3.2	"	"	"	"	8082A/SOP335
Aroclor 1268	RE2	ND	U	3.2	"	"	"	"	8082A/SOP335
<i>Surrogate: Tetrachloro-m-xylene</i>	RE2		74 %	20-151%		"	"	"	
<i>Surrogate: Decachlorobiphenyl</i>	RE2		67 %	28.8-154%		"	"	"	

Sample ID:	ISPPA-4	Conventional Chemistry Parameters by APHA/EPA Methods							
% Solids		93		1	%	B1B0069	02/21/11	02/22/11	3550C/SOP460

Lab ID: 1102011-22 **Soil - Sampled: 02/09/11 16:00**

Sample ID:	ISPPA-5	Polychlorinated Biphenyls by EPA Method 8082A							
Aroclor 1016	RE2	ND	U	3.2	ug/kg dry	B1B0056	02/17/11	03/08/11	8082A/SOP335
Aroclor 1221	RE2	ND	U	6.5	"	"	"	"	8082A/SOP335
Aroclor 1232	RE2	ND	U	3.2	"	"	"	"	8082A/SOP335
Aroclor 1242	RE2	ND	U	3.2	"	"	"	"	8082A/SOP335
Aroclor 1248	RE2	ND	U	3.2	"	"	"	"	8082A/SOP335
Aroclor 1254	RE2	ND	U	3.2	"	"	"	"	8082A/SOP335
Aroclor 1260	RE2	ND	U	3.2	"	"	"	"	8082A/SOP335
Aroclor-1262	RE2	4.9		3.2	"	"	"	"	8082A/SOP335
Aroclor 1268	RE2	ND	U	3.2	"	"	"	"	8082A/SOP335
<i>Surrogate: Tetrachloro-m-xylene</i>	RE2		71 %	20-151%		"	"	"	
<i>Surrogate: Decachlorobiphenyl</i>	RE2		65 %	28.8-154%		"	"	"	

Sample ID:	ISPPA-5	Conventional Chemistry Parameters by APHA/EPA Methods							
% Solids		93		1	%	B1B0069	02/21/11	02/22/11	3550C/SOP460



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Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch B1B0053 - Soxhlet Extraction - PCBs

Prepared: 02/16/11 Analyzed: 02/24/11

Polychlorinated Biphenyls by EPA Method 8082A - Quality Control

Blank (B1B0053-BLK1)

Aroclor 1016	ND	U		3 ug/kg wet						
Aroclor 1221	ND	U		6 "						
Aroclor 1232	ND	U		3 "						
Aroclor 1242	ND	U		3 "						
Aroclor-1248	ND	U		3 "						
Aroclor 1254	ND	U		3 "						
Aroclor 1260	ND	U		3 "						
Aroclor 1262	ND	U		3 "						
Aroclor 1268	ND	U		3 "						

<i>Surrogate: Tetrachloro-m-xylene</i>	6.22			"	6.67		93	20-151		
<i>Surrogate: Decachlorobiphenyl</i>	5.07			"	6.67		76	28.8-154		

LCS (B1B0053-BS1)

Aroclor 1016	25.2			3 ug/kg wet	33.3		76	24.8-143		
Aroclor 1260	22.3			3 "	33.3		67	20-159		

<i>Surrogate: Tetrachloro-m-xylene</i>	6.33			"	6.67		95	20-151		
<i>Surrogate: Decachlorobiphenyl</i>	5.44			"	6.67		82	28.8-154		

Matrix Spike (B1B0053-MS1)

Source: 1102011-01RE1

Aroclor 1016	282			18 ug/kg dry	40.5	ND	695	65-135		
Aroclor-1260	164			18 "	40.5	ND	406	65-135		

<i>Surrogate: Tetrachloro-m-xylene</i>	7.77			"	8.11		96	20-151		
<i>Surrogate: Decachlorobiphenyl</i>	9.30			"	8.11		115	28.8-154		

Matrix Spike Dup (B1B0053-MSD1)

Source: 1102011-01RE1

Aroclor 1016	261			18 ug/kg dry	40.6	ND	644	65-135	8	20
Aroclor-1260	158			18 "	40.6	ND	390	65-135	4	20

<i>Surrogate: Tetrachloro-m-xylene</i>	7.04			"	8.11		87	20-151		
<i>Surrogate: Decachlorobiphenyl</i>	8.69			"	8.11		107	28.8-154		

Batch B1B0056 - Soxhlet Extraction - PCBs

Prepared: 02/17/11 Analyzed: 02/25/11

Polychlorinated Biphenyls by EPA Method 8082A - Quality Control

Blank (B1B0056-BLK1)

Aroclor 1016	ND	U		3 ug/kg wet						
Aroclor 1221	ND	U		6 "						
Aroclor 1232	ND	U		3 "						
Aroclor 1242	ND	U		3 "						



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Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch B1B0056 - Soxhlet Extraction - PCBs

Prepared: 02/17/11 Analyzed: 02/25/11

Polychlorinated Biphenyls by EPA Method 8082A - Quality Control

Blank (B1B0056-BLK1)

Aroclor-1248	ND	U		3 "						
Aroclor 1254	ND	U		3 "						
Aroclor 1260	ND	U		3 "						
Aroclor 1262	ND	U		3 "						
Aroclor 1268	ND	U		3 "						

<i>Surrogate: Tetrachloro-m-xylene</i>	5.40			"	6.67		81	20-151		
<i>Surrogate: Decachlorobiphenyl</i>	4.23			"	6.67		63	28.8-154		

LCS (B1B0056-BS1)

Aroclor 1016	26.6			3 ug/kg wet	33.3		80	24.8-143		
Aroclor 1260	23.9			3 "	33.3		72	20-159		

<i>Surrogate: Tetrachloro-m-xylene</i>	5.72			"	6.67		86	20-151		
<i>Surrogate: Decachlorobiphenyl</i>	4.82			"	6.67		72	28.8-154		

Matrix Spike (B1B0056-MS1)

Source: 1102011-12

Aroclor 1016	123			18 ug/kg dry	40.1	ND	306	65-135		
Aroclor 1260	111			18 "	40.1	75.6	87	65-135		

<i>Surrogate: Tetrachloro-m-xylene</i>	7.20			"	8.03		90	20-151		
<i>Surrogate: Decachlorobiphenyl</i>	6.50			"	8.03		81	28.8-154		

Matrix Spike Dup (B1B0056-MSD1)

Source: 1102011-12

Aroclor 1016	128			18 ug/kg dry	40.6	ND	315	65-135	4	20
Aroclor 1260	148			18 "	40.6	75.6	179	65-135	29	20

<i>Surrogate: Tetrachloro-m-xylene</i>	7.24			"	8.11		89	20-151		
<i>Surrogate: Decachlorobiphenyl</i>	6.64			"	8.11		82	28.8-154		

Batch B1B0069 - Solids, Dry Weight (Prep) - Solids, Dry Weight

Prepared: 02/21/11 Analyzed: 02/22/11

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

Blank (B1B0069-BLK1)

% Solids	ND	U		1 %						
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Blank (B1B0069-BLK2)

% Solids	ND	U		1 %						
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Duplicate (B1B0069-DUP1)

Source: 1102011-06

% Solids	83			1 %		83			0.3	20
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Duplicate (B1B0069-DUP2)

Source: 1102011-19

% Solids	87			1 %		86			0.8	20
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United States Environmental Protection Agency
Region 9 Laboratory

1337 S. 46th Street, Building 201, Richmond, CA 94804
Phone:(510) 412-2300 Fax:(510) 412-2302

Project Manager: Cameron McDonald

Project Number: R11R03

Project: Western Environmental, Inc. 2011 RCRA
Inspection

RCRA Enforcement Office

75 Hawthorne Street

San Francisco CA, 94105

SDG: 11042A

Reported: 03/25/11 18:14

Qualifiers and Comments

Q7 Surrogate spike recoveries for this sample were outside control limits.

Q6 Matrix spike/matrix spike duplicate precision criteria were not met for this analyte (see MS/MSD results for this batch in QC summary).

Q4 The matrix spike and/or matrix spike duplicate associated with this sample did not meet recovery criteria for this analyte (see MS/MSD results for this batch in QC summary)

J The reported result for this analyte should be considered an estimated value.

C1 The reported concentration for this analyte is below the quantitation limit.

U Not Detected

NR Not Reported

RE1, RE2, etc: Result is from a sample re-analysis.

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