

US EPA ARCHIVE DOCUMENT



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

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

Date: 3/17/2011

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:

TCLP Metals by ICP

TCLP Mercury

TCLP Extraction by 1311

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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: 03/17/11 16:28
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

Metals samples were subjected to the Toxicity Characterization Leaching Procedure (TCLP, EPA Method SW 1311).
Reported results are for metals in the resulting leachate.

Work Order(s)

1102011



United States Environmental Protection Agency Region 9 Laboratory

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Project Number: R11R03	75 Hawthorne Street	Reported: 03/17/11 16:28
Project: Western Environmental, Inc. 2011 RCRA Inspection	San Francisco CA, 94105	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method	
Lab ID: 1102011-01							Soil - Sampled: 02/09/11 14:29			
Sample ID: CFUA-1							TCLP Extraction by EPA 1311			
TCLP Extraction		Not applicable.			N/A	B1B0076	02/22/11	02/13/11	1311/SOP250	
Sample ID: CFUA-1							Metals by EPA 6000/7000 Series Methods			
Arsenic		ND	U	0.20	mg/L	B1B0089	02/24/11	03/07/11	6010C/SOP503	
Barium		0.76	C1, J	1	"	"	"	"	6010C/SOP503	
Cadmium		0.050		0.050	"	"	"	"	6010C/SOP503	
Chromium		ND	U	0.10	"	"	"	"	6010C/SOP503	
Lead		ND	U	0.30	"	"	"	"	6010C/SOP503	
Selenium		ND	U	0.20	"	"	"	"	6010C/SOP503	
Silver		ND	U	0.10	"	"	"	"	6010C/SOP503	
Sample ID: CFUA-1							Metals by EPA 200 Series Methods			
Mercury		ND	U	0.00030	"	B1C0036	03/09/11	03/09/11	245.1/SOP515	
Lab ID: 1102011-02							Soil - Sampled: 02/09/11 14:40			
Sample ID: CFUA-2							TCLP Extraction by EPA 1311			
TCLP Extraction		Not applicable.			N/A	B1B0076	02/22/11	02/13/11	1311/SOP250	
Sample ID: CFUA-2							Metals by EPA 6000/7000 Series Methods			
Arsenic		ND	U	0.20	mg/L	B1B0089	02/24/11	03/07/11	6010C/SOP503	
Barium		0.64	C1, J	1	"	"	"	"	6010C/SOP503	
Cadmium		0.034	C1, J	0.050	"	"	"	"	6010C/SOP503	
Chromium		0.051	C1, J	0.10	"	"	"	"	6010C/SOP503	
Lead		0.30		0.30	"	"	"	"	6010C/SOP503	
Selenium		ND	U	0.20	"	"	"	"	6010C/SOP503	
Silver		ND	U	0.10	"	"	"	"	6010C/SOP503	
Sample ID: CFUA-2							Metals by EPA 200 Series Methods			
Mercury		ND	U	0.00030	"	B1C0036	03/09/11	03/09/11	245.1/SOP515	
Lab ID: 1102011-03							Soil - Sampled: 02/09/11 14:47			
Sample ID: CFUA-3							TCLP Extraction by EPA 1311			
TCLP Extraction		Not applicable.			N/A	B1B0076	02/22/11	02/13/11	1311/SOP250	
Sample ID: CFUA-3							Metals by EPA 6000/7000 Series Methods			
Arsenic		ND	U	0.20	mg/L	B1B0089	02/24/11	03/07/11	6010C/SOP503	
Barium		0.67	C1, J	1	"	"	"	"	6010C/SOP503	
Cadmium		0.035	C1, J	0.050	"	"	"	"	6010C/SOP503	
Chromium		ND	U	0.10	"	"	"	"	6010C/SOP503	
Lead		0.17	C1, J	0.30	"	"	"	"	6010C/SOP503	
Selenium		ND	U	0.20	"	"	"	"	6010C/SOP503	
Silver		ND	U	0.10	"	"	"	"	6010C/SOP503	
Sample ID: CFUA-3							Metals by EPA 200 Series Methods			
Mercury		ND	U	0.00030	"	B1C0036	03/09/11	03/09/11	245.1/SOP515	
Lab ID: 1102011-04							Soil - Sampled: 02/09/11 14:57			



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Project Number: R11R03	75 Hawthorne Street	Reported: 03/17/11 16:28
Project: Western Environmental, Inc. 2011 RCRA Inspection	San Francisco CA, 94105	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 1102011-04								Soil - Sampled: 02/09/11 14:57	
Sample ID: CFUA-4								TCLP Extraction by EPA 1311	
TCLP Extraction		Not applicable.			N/A	B1B0076	02/22/11	02/13/11	1311/SOP250
Sample ID: CFUA-4								Metals by EPA 6000/7000 Series Methods	
Arsenic		ND	U	0.20	mg/L	B1B0089	02/24/11	03/07/11	6010C/SOP503
Barium		0.63	C1, J	1	"	"	"	"	6010C/SOP503
Cadmium		0.040	C1, J	0.050	"	"	"	"	6010C/SOP503
Chromium		ND	U	0.10	"	"	"	"	6010C/SOP503
Lead		1.2		0.30	"	"	"	"	6010C/SOP503
Selenium		ND	U	0.20	"	"	"	"	6010C/SOP503
Silver		ND	U	0.10	"	"	"	"	6010C/SOP503
Sample ID: CFUA-4								Metals by EPA 200 Series Methods	
Mercury		ND	U	0.00030	"	B1C0036	03/09/11	03/09/11	245.1/SOP515
Lab ID: 1102011-05								Soil - Sampled: 02/09/11 14:57	
Sample ID: CFUA-5								TCLP Extraction by EPA 1311	
TCLP Extraction		Not applicable.			N/A	B1B0076	02/22/11	02/13/11	1311/SOP250
Sample ID: CFUA-5								Metals by EPA 6000/7000 Series Methods	
Arsenic		ND	U	0.20	mg/L	B1B0089	02/24/11	03/07/11	6010C/SOP503
Barium		0.58	C1, J	1	"	"	"	"	6010C/SOP503
Cadmium		0.037	C1, J	0.050	"	"	"	"	6010C/SOP503
Chromium		ND	U	0.10	"	"	"	"	6010C/SOP503
Lead		ND	U	0.30	"	"	"	"	6010C/SOP503
Selenium		ND	U	0.20	"	"	"	"	6010C/SOP503
Silver		ND	U	0.10	"	"	"	"	6010C/SOP503
Sample ID: CFUA-5								Metals by EPA 200 Series Methods	
Mercury		ND	U	0.00030	"	B1C0036	03/09/11	03/09/11	245.1/SOP515
Lab ID: 1102011-06								Soil - Sampled: 02/09/11 15:05	
Sample ID: CFUA-6								TCLP Extraction by EPA 1311	
TCLP Extraction		Not applicable.			N/A	B1B0076	02/22/11	02/13/11	1311/SOP250
Sample ID: CFUA-6								Metals by EPA 6000/7000 Series Methods	
Arsenic		ND	U	0.20	mg/L	B1B0089	02/24/11	03/07/11	6010C/SOP503
Barium		0.62	C1, J	1	"	"	"	"	6010C/SOP503
Cadmium		0.030	C1, J	0.050	"	"	"	"	6010C/SOP503
Chromium		ND	U	0.10	"	"	"	"	6010C/SOP503
Lead		ND	U	0.30	"	"	"	"	6010C/SOP503
Selenium		ND	U	0.20	"	"	"	"	6010C/SOP503
Silver		ND	U	0.10	"	"	"	"	6010C/SOP503
Sample ID: CFUA-6								Metals by EPA 200 Series Methods	
Mercury		0.00018	C1, J	0.00030	"	B1C0036	03/09/11	03/09/11	245.1/SOP515
Lab ID: 1102011-07								Soil - Sampled: 02/09/11 13:09	



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Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 1102011-07							Soil - Sampled: 02/09/11 13:09		
Sample ID: CFUB-1							TCLP Extraction by EPA 1311		
TCLP Extraction		Not applicable.			N/A	B1B0076	02/22/11	02/13/11	1311/SOP250
Sample ID: CFUB-1							Metals by EPA 6000/7000 Series Methods		
Arsenic		ND	U	0.20	mg/L	B1B0089	02/24/11	03/07/11	6010C/SOP503
Barium		ND	U	1	"	"	"	"	6010C/SOP503
Cadmium		ND	U	0.050	"	"	"	"	6010C/SOP503
Chromium		ND	U	0.10	"	"	"	"	6010C/SOP503
Lead		ND	U	0.30	"	"	"	"	6010C/SOP503
Selenium		ND	U	0.20	"	"	"	"	6010C/SOP503
Silver		ND	U	0.10	"	"	"	"	6010C/SOP503
Lab ID: 1102011-08							Soil - Sampled: 02/09/11 13:21		
Sample ID: CFUB-2							TCLP Extraction by EPA 1311		
TCLP Extraction		Not applicable.			N/A	B1B0076	02/22/11	02/13/11	1311/SOP250
Sample ID: CFUB-2							Metals by EPA 6000/7000 Series Methods		
Arsenic		ND	U	0.20	mg/L	B1B0089	02/24/11	03/07/11	6010C/SOP503
Barium		ND	U	1	"	"	"	"	6010C/SOP503
Cadmium		ND	U	0.050	"	"	"	"	6010C/SOP503
Chromium		ND	U	0.10	"	"	"	"	6010C/SOP503
Lead		ND	U	0.30	"	"	"	"	6010C/SOP503
Selenium		ND	U	0.20	"	"	"	"	6010C/SOP503
Silver		ND	U	0.10	"	"	"	"	6010C/SOP503
Lab ID: 1102011-09							Soil - Sampled: 02/09/11 13:38		
Sample ID: CFUB-3							TCLP Extraction by EPA 1311		
TCLP Extraction		Not applicable.			N/A	B1B0076	02/22/11	02/13/11	1311/SOP250
Sample ID: CFUB-3							Metals by EPA 6000/7000 Series Methods		
Arsenic		ND	U	0.20	mg/L	B1B0089	02/24/11	03/07/11	6010C/SOP503
Barium		0.52	C1, J	1	"	"	"	"	6010C/SOP503
Cadmium		ND	U	0.050	"	"	"	"	6010C/SOP503
Chromium		ND	U	0.10	"	"	"	"	6010C/SOP503
Lead		ND	U	0.30	"	"	"	"	6010C/SOP503
Selenium		ND	U	0.20	"	"	"	"	6010C/SOP503
Silver		ND	U	0.10	"	"	"	"	6010C/SOP503
Lab ID: 1102011-10							Soil - Sampled: 02/09/11 13:46		
Sample ID: CFUB-4							TCLP Extraction by EPA 1311		
TCLP Extraction		Not applicable.			N/A	B1B0076	02/22/11	02/13/11	1311/SOP250
Sample ID: CFUB-4							Metals by EPA 6000/7000 Series Methods		
Arsenic		ND	U	0.20	mg/L	B1B0089	02/24/11	03/07/11	6010C/SOP503
Barium		ND	U	1	"	"	"	"	6010C/SOP503



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Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID:	1102011-10								Soil - Sampled: 02/09/11 13:46
Sample ID:	CFUB-4								Metals by EPA 6000/7000 Series Methods
Cadmium		ND	U	0.050	mg/L	B1B0089	02/24/11	03/07/11	6010C/SOP503
Chromium		ND	U	0.10	"	"	"	"	6010C/SOP503
Lead		ND	U	0.30	"	"	"	"	6010C/SOP503
Selenium		ND	U	0.20	"	"	"	"	6010C/SOP503
Silver		ND	U	0.10	"	"	"	"	6010C/SOP503
Lab ID:	1102011-11								Soil - Sampled: 02/09/11 13:48
Sample ID:	CFUB-5								TCLP Extraction by EPA 1311
TCLP Extraction		Not applicable.			N/A	B1B0076	02/22/11	02/13/11	1311/SOP250
Sample ID:	CFUB-5								Metals by EPA 6000/7000 Series Methods
Arsenic		ND	U	0.20	mg/L	B1B0089	02/24/11	03/07/11	6010C/SOP503
Barium		ND	U	1	"	"	"	"	6010C/SOP503
Cadmium		ND	U	0.050	"	"	"	"	6010C/SOP503
Chromium		ND	U	0.10	"	"	"	"	6010C/SOP503
Lead		ND	U	0.30	"	"	"	"	6010C/SOP503
Selenium		ND	U	0.20	"	"	"	"	6010C/SOP503
Silver		ND	U	0.10	"	"	"	"	6010C/SOP503
Lab ID:	1102011-12								Soil - Sampled: 02/09/11 08:00
Sample ID:	OSPTA-1								TCLP Extraction by EPA 1311
TCLP Extraction		Not applicable.			N/A	B1B0076	02/22/11	02/13/11	1311/SOP250
Sample ID:	OSPTA-1								Metals by EPA 6000/7000 Series Methods
Arsenic		ND	U	0.20	mg/L	B1B0089	02/24/11	03/07/11	6010C/SOP503
Barium		ND	U	1	"	"	"	"	6010C/SOP503
Cadmium		ND	U	0.050	"	"	"	"	6010C/SOP503
Chromium		ND	U	0.10	"	"	"	"	6010C/SOP503
Lead		ND	U	0.30	"	"	"	"	6010C/SOP503
Selenium		ND	U	0.20	"	"	"	"	6010C/SOP503
Silver		ND	U	0.10	"	"	"	"	6010C/SOP503
Sample ID:	OSPTA-1								Metals by EPA 200 Series Methods
Mercury		ND	U	0.00030	"	B1C0036	03/09/11	03/09/11	245.1/SOP515
Lab ID:	1102011-13								Soil - Sampled: 02/09/11 08:00
Sample ID:	OSPTA-2								TCLP Extraction by EPA 1311
TCLP Extraction		Not applicable.			N/A	B1B0076	02/22/11	02/13/11	1311/SOP250
Sample ID:	OSPTA-2								Metals by EPA 6000/7000 Series Methods
Arsenic		ND	U	0.20	mg/L	B1B0089	02/24/11	03/07/11	6010C/SOP503
Barium		0.51	C1, J	1	"	"	"	"	6010C/SOP503
Cadmium		ND	U	0.050	"	"	"	"	6010C/SOP503
Chromium		ND	U	0.10	"	"	"	"	6010C/SOP503



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Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID:	1102011-13								Soil - Sampled: 02/09/11 08:00
Sample ID:	OSPTA-2								Metals by EPA 6000/7000 Series Methods
Lead		0.19	C1, J	0.30	mg/L	B1B0089	02/24/11	03/07/11	6010C/SOP503
Selenium		ND	U	0.20	"	"	"	"	6010C/SOP503
Silver		ND	U	0.10	"	"	"	"	6010C/SOP503
Sample ID:	OSPTA-2								Metals by EPA 200 Series Methods
Mercury		ND	U	0.00030	"	B1C0036	03/09/11	03/09/11	245.1/SOP515
Lab ID:	1102011-14								Soil - Sampled: 02/09/11 08:26
Sample ID:	OSPTA-3								TCLP Extraction by EPA 1311
TCLP Extraction		Not applicable.			N/A	B1B0076	02/22/11	02/13/11	1311/SOP250
Sample ID:	OSPTA-3								Metals by EPA 6000/7000 Series Methods
Arsenic		ND	U	0.20	mg/L	B1B0089	02/24/11	03/07/11	6010C/SOP503
Barium		ND	U	1	"	"	"	"	6010C/SOP503
Cadmium		ND	U	0.050	"	"	"	"	6010C/SOP503
Chromium		ND	U	0.10	"	"	"	"	6010C/SOP503
Lead		ND	U	0.30	"	"	"	"	6010C/SOP503
Selenium		ND	U	0.20	"	"	"	"	6010C/SOP503
Silver		ND	U	0.10	"	"	"	"	6010C/SOP503
Sample ID:	OSPTA-3								Metals by EPA 200 Series Methods
Mercury		ND	U	0.00030	"	B1C0036	03/09/11	03/09/11	245.1/SOP515
Lab ID:	1102011-15								Soil - Sampled: 02/09/11 08:42
Sample ID:	OSPTA-4								TCLP Extraction by EPA 1311
TCLP Extraction		Not applicable.			N/A	B1B0076	02/22/11	02/13/11	1311/SOP250
Sample ID:	OSPTA-4								Metals by EPA 6000/7000 Series Methods
Arsenic		ND	U	0.20	mg/L	B1B0089	02/24/11	03/07/11	6010C/SOP503
Barium		0.54	C1, J	1	"	"	"	"	6010C/SOP503
Cadmium		ND	U	0.050	"	"	"	"	6010C/SOP503
Chromium		ND	U	0.10	"	"	"	"	6010C/SOP503
Lead		1.2		0.30	"	"	"	"	6010C/SOP503
Selenium		ND	U	0.20	"	"	"	"	6010C/SOP503
Silver		ND	U	0.10	"	"	"	"	6010C/SOP503
Sample ID:	OSPTA-4								Metals by EPA 200 Series Methods
Mercury		ND	U	0.00030	"	B1C0036	03/09/11	03/09/11	245.1/SOP515
Lab ID:	1102011-16								Soil - Sampled: 02/09/11 08:58
Sample ID:	OSPTA-5								TCLP Extraction by EPA 1311
TCLP Extraction		Not applicable.			N/A	B1B0076	02/22/11	02/13/11	1311/SOP250
Sample ID:	OSPTA-5								Metals by EPA 6000/7000 Series Methods
Arsenic		ND	U	0.20	mg/L	B1B0089	02/24/11	03/07/11	6010C/SOP503
Barium		ND	U	1	"	"	"	"	6010C/SOP503



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Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method	
Lab ID: 1102011-16							Soil - Sampled: 02/09/11 08:58			
Sample ID: OSPTA-5							Metals by EPA 6000/7000 Series Methods			
Cadmium		ND	U	0.050	mg/L	B1B0089	02/24/11	03/07/11	6010C/SOP503	
Chromium		ND	U	0.10	"	"	"	"	6010C/SOP503	
Lead		ND	U	0.30	"	"	"	"	6010C/SOP503	
Selenium		ND	U	0.20	"	"	"	"	6010C/SOP503	
Silver		ND	U	0.10	"	"	"	"	6010C/SOP503	
Sample ID: OSPTA-5							Metals by EPA 200 Series Methods			
Mercury		ND	U	0.00030	"	B1C0036	03/09/11	03/09/11	245.1/SOP515	
Lab ID: 1102011-17							Soil - Sampled: 02/09/11 08:58			
Sample ID: OSPTA-6							TCLP Extraction by EPA 1311			
TCLP Extraction		Not applicable.			N/A	B1B0076	02/22/11	02/13/11	1311/SOP250	
Sample ID: OSPTA-6							Metals by EPA 6000/7000 Series Methods			
Arsenic		ND	U	0.20	mg/L	B1B0089	02/24/11	03/07/11	6010C/SOP503	
Barium		ND	U	1	"	"	"	"	6010C/SOP503	
Cadmium		ND	U	0.050	"	"	"	"	6010C/SOP503	
Chromium		ND	U	0.10	"	"	"	"	6010C/SOP503	
Lead		ND	U	0.30	"	"	"	"	6010C/SOP503	
Selenium		ND	U	0.20	"	"	"	"	6010C/SOP503	
Silver		ND	U	0.10	"	"	"	"	6010C/SOP503	
Sample ID: OSPTA-6							Metals by EPA 200 Series Methods			
Mercury		ND	U	0.00030	"	B1C0036	03/09/11	03/09/11	245.1/SOP515	
Lab ID: 1102011-18							Soil - Sampled: 02/09/11 15:36			
Sample ID: ISPPA-1							TCLP Extraction by EPA 1311			
TCLP Extraction		Not applicable.			N/A	B1B0076	02/22/11	02/13/11	1311/SOP250	
Sample ID: ISPPA-1							Metals by EPA 6000/7000 Series Methods			
Arsenic		ND	U	0.20	mg/L	B1B0089	02/24/11	03/07/11	6010C/SOP503	
Barium		ND	U	1	"	"	"	"	6010C/SOP503	
Cadmium		ND	U	0.050	"	"	"	"	6010C/SOP503	
Chromium		ND	U	0.10	"	"	"	"	6010C/SOP503	
Lead		ND	U	0.30	"	"	"	"	6010C/SOP503	
Selenium		ND	U	0.20	"	"	"	"	6010C/SOP503	
Silver		ND	U	0.10	"	"	"	"	6010C/SOP503	
Sample ID: ISPPA-1							Metals by EPA 200 Series Methods			
Mercury		ND	U	0.00030	"	B1C0036	03/09/11	03/09/11	245.1/SOP515	
Lab ID: 1102011-19							Soil - Sampled: 02/09/11 15:43			
Sample ID: ISPPA-2							TCLP Extraction by EPA 1311			
TCLP Extraction		Not applicable.			N/A	B1B0076	02/22/11	02/13/11	1311/SOP250	
Sample ID: ISPPA-2							Metals by EPA 6000/7000 Series Methods			



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: 03/17/11 16:28
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Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 1102011-19		Soil - Sampled: 02/09/11 15:43							
Sample ID: ISPPA-2		Metals by EPA 6000/7000 Series Methods							
Arsenic		ND	U	0.20	mg/L	B1B0089	02/24/11	03/07/11	6010C/SOP503
Barium		ND	U	1	"	"	"	"	6010C/SOP503
Cadmium		ND	U	0.050	"	"	"	"	6010C/SOP503
Chromium		ND	U	0.10	"	"	"	"	6010C/SOP503
Lead		ND	U	0.30	"	"	"	"	6010C/SOP503
Selenium		ND	U	0.20	"	"	"	"	6010C/SOP503
Silver		ND	U	0.10	"	"	"	"	6010C/SOP503
Sample ID: ISPPA-2		Metals by EPA 200 Series Methods							
Mercury		ND	U	0.00030	"	B1C0036	03/09/11	03/09/11	245.1/SOP515
Lab ID: 1102011-20		Soil - Sampled: 02/09/11 15:49							
Sample ID: ISPPA-3		TCLP Extraction by EPA 1311							
TCLP Extraction		Not applicable.			N/A	B1B0076	02/22/11	02/13/11	1311/SOP250
Sample ID: ISPPA-3		Metals by EPA 6000/7000 Series Methods							
Arsenic		ND	U	0.20	mg/L	B1B0089	02/24/11	03/07/11	6010C/SOP503
Barium		ND	U	1	"	"	"	"	6010C/SOP503
Cadmium		ND	U	0.050	"	"	"	"	6010C/SOP503
Chromium		ND	U	0.10	"	"	"	"	6010C/SOP503
Lead		ND	U	0.30	"	"	"	"	6010C/SOP503
Selenium		ND	U	0.20	"	"	"	"	6010C/SOP503
Silver		ND	U	0.10	"	"	"	"	6010C/SOP503
Sample ID: ISPPA-3		Metals by EPA 200 Series Methods							
Mercury		ND	U	0.00030	"	B1C0036	03/09/11	03/09/11	245.1/SOP515
Lab ID: 1102011-21		Soil - Sampled: 02/09/11 15:59							
Sample ID: ISPPA-4		TCLP Extraction by EPA 1311							
TCLP Extraction		Not applicable.			N/A	B1B0076	02/22/11	02/13/11	1311/SOP250
Sample ID: ISPPA-4		Metals by EPA 6000/7000 Series Methods							
Arsenic		ND	U	0.20	mg/L	B1B0089	02/24/11	03/07/11	6010C/SOP503
Barium		0.50	C1, J	1	"	"	"	"	6010C/SOP503
Cadmium		ND	U	0.050	"	"	"	"	6010C/SOP503
Chromium		ND	U	0.10	"	"	"	"	6010C/SOP503
Lead		ND	U	0.30	"	"	"	"	6010C/SOP503
Selenium		ND	U	0.20	"	"	"	"	6010C/SOP503
Silver		ND	U	0.10	"	"	"	"	6010C/SOP503
Sample ID: ISPPA-4		Metals by EPA 200 Series Methods							
Mercury		ND	U	0.00030	"	B1C0036	03/09/11	03/09/11	245.1/SOP515
Lab ID: 1102011-22		Soil - Sampled: 02/09/11 16:00							
Sample ID: ISPPA-5		TCLP Extraction by EPA 1311							



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Region 9 Laboratory

1337 S. 46th Street, Building 201, Richmond, CA 94804
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Project Manager: Cameron McDonald	RCRA Enforcement Office	SDG: 11042A
Project Number: R11R03	75 Hawthorne Street	Reported: 03/17/11 16:28
Project: Western Environmental, Inc. 2011 RCRA Inspection	San Francisco CA, 94105	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 1102011-22								Soil - Sampled: 02/09/11 16:00	
Sample ID: ISPPA-5								TCLP Extraction by EPA 1311	
TCLP Extraction		Not applicable.			N/A	B1B0076	02/22/11	02/13/11	1311/SOP250
Sample ID: ISPPA-5								Metals by EPA 6000/7000 Series Methods	
Arsenic		ND	U	0.20	mg/L	B1B0089	02/24/11	03/07/11	6010C/SOP503
Barium		0.55	Cl, J	1	"	"	"	"	6010C/SOP503
Cadmium		ND	U	0.050	"	"	"	"	6010C/SOP503
Chromium		ND	U	0.10	"	"	"	"	6010C/SOP503
Lead		ND	U	0.30	"	"	"	"	6010C/SOP503
Selenium		ND	U	0.20	"	"	"	"	6010C/SOP503
Silver		ND	U	0.10	"	"	"	"	6010C/SOP503
Sample ID: ISPPA-5								Metals by EPA 200 Series Methods	
Mercury		ND	U	0.00030	"	B1C0036	03/09/11	03/09/11	245.1/SOP515



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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: 03/17/11 16:28
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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 B1B0076 - 1311 TCLP - TCLP extraction

Prepared: 02/22/11 Analyzed: 02/13/11
TCLP Extraction by EPA 1311 - Quality Control

Blank (B1B0076-BLK1)

TCLP Extraction	Not applicable.			N/A						
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Blank (B1B0076-BLK2)

TCLP Extraction	Not applicable.			N/A						
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Duplicate (B1B0076-DUP1)

Source: 1102011-05

TCLP Extraction	Not applicable.			N/A		Not applicable.				200
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Duplicate (B1B0076-DUP2)

Source: 1102011-10

TCLP Extraction	Not applicable.			N/A		Not applicable.				200
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Duplicate (B1B0076-DUP3)

Source: 1102011-15

TCLP Extraction	Not applicable.			N/A		Not applicable.				200
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Batch B1B0089 - Leachate Digest - Metals, TCLP, ICP

Prepared: 02/24/11 Analyzed: 03/07/11
Metals by EPA 6000/7000 Series Methods - Quality Control

Blank (B1B0089-BLK1)

Arsenic	ND	U		0.2 mg/L						
Barium	ND	U		1 "						
Cadmium	ND	U		0.05 "						
Chromium	ND	U		0.1 "						
Lead	ND	U		0.3 "						
Selenium	ND	U		0.2 "						
Silver	ND	U		0.1 "						

Blank (B1B0089-BLK2)

Arsenic	ND	U		0.2 mg/L						
Barium	ND	U		1 "						
Cadmium	ND	U		0.05 "						
Chromium	ND	U		0.1 "						
Lead	ND	U		0.3 "						
Selenium	ND	U		0.2 "						
Silver	ND	U		0.1 "						

LCS (B1B0089-BS1)

Arsenic	20.7			0.2 mg/L	20.0		104	80-120		
Barium	18.8			1 "	20.0		94	80-120		
Cadmium	0.485			0.05 "	0.500		97	80-120		
Chromium	1.96			0.1 "	2.00		98	80-120		
Lead	4.74			0.3 "	5.00		95	80-120		
Selenium	21.1			0.2 "	20.0		106	80-120		
Silver	0.474			0.1 "	0.500		95	80-120		

LCS (B1B0089-BS2)

Arsenic	20			0.2 mg/L	20.0		100	80-120		
Barium	19.1			1 "	20.0		95	80-120		
Cadmium	0.479			0.05 "	0.500		96	80-120		



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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 B1B0089 - Leachate Digest - Metals, TCLP, ICP

Prepared: 02/24/11 Analyzed: 03/07/11

Metals by EPA 6000/7000 Series Methods - Quality Control

LCS (B1B0089-BS2)

Chromium	1.98		0.1	"	2.00		99	80-120		
Lead	4.7		0.3	"	5.00		94	80-120		
Selenium	20		0.2	"	20.0		100	80-120		
Silver	0.474		0.1	"	0.500		95	80-120		

Duplicate (B1B0089-DUP1)

Source: 1102011-05

Arsenic	ND	U	0.2	mg/L		ND				
Barium	0.573	C1, J	1	"		0.585			2	20
Cadmium	0.035	C1, J	0.05	"		0.037			6	20
Chromium	ND	U	0.1	"		ND				20
Lead	ND	U	0.3	"		ND				20
Selenium	ND	U	0.2	"		ND				20
Silver	ND	U	0.1	"		ND				20

Duplicate (B1B0089-DUP2)

Source: 1102011-10

Arsenic	ND	U	0.2	mg/L		ND				
Barium	ND	U	1	"		ND				20
Cadmium	ND	U	0.05	"		ND				20
Chromium	ND	U	0.1	"		ND				20
Lead	ND	U	0.3	"		ND				20
Selenium	ND	U	0.2	"		ND				20
Silver	ND	U	0.1	"		ND				20

Duplicate (B1B0089-DUP3)

Source: 1102011-15

Arsenic	ND	U	0.2	mg/L		ND				
Barium	0.543	C1, J	1	"		0.541			0.4	20
Cadmium	ND	U	0.05	"		ND				20
Chromium	ND	U	0.1	"		ND				20
Lead	ND	U	0.3	"		1.2				20
Selenium	ND	U	0.2	"		ND				20
Silver	ND	U	0.1	"		ND				20

Matrix Spike (B1B0089-MS1)

Source: 1102011-05

Arsenic	20.5		0.2	mg/L	20.0	ND	102	75-125		20
Barium	19.5		1	"	20.0	0.585	95	75-125		20
Cadmium	0.497		0.05	"	0.500	0.037	92	75-125		20
Chromium	2.01		0.1	"	2.00	ND	100	75-125		20
Lead	4.72		0.3	"	5.00	ND	94	75-125		20
Selenium	20.1		0.2	"	20.0	ND	101	75-125		20
Silver	0.479		0.1	"	0.500	ND	96	75-125		20

Matrix Spike (B1B0089-MS2)

Source: 1102011-10

Arsenic	20.4		0.2	mg/L	20.0	ND	102	75-125		20
Barium	19.1		1	"	20.0	ND	95	75-125		20
Cadmium	0.478		0.05	"	0.500	ND	96	75-125		20
Chromium	1.97		0.1	"	2.00	ND	99	75-125		20



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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 B1B0089 - Leachate Digest - Metals, TCLP, ICP

Prepared: 02/24/11 Analyzed: 03/07/11

Metals by EPA 6000/7000 Series Methods - Quality Control

Matrix Spike (B1B0089-MS2)		Source: 1102011-10								
Lead	4.56		0.3	"	5.00	ND	91	75-125		20
Selenium	20.1		0.2	"	20.0	ND	101	75-125		20
Silver	0.481		0.1	"	0.500	ND	96	75-125		20

Matrix Spike (B1B0089-MS3)		Source: 1102011-15								
Arsenic	19.9		0.2	mg/L	20.0	ND	100	75-125		20
Barium	18.6		1	"	20.0	0.541	90	75-125		20
Cadmium	0.474		0.05	"	0.500	ND	95	75-125		20
Chromium	1.94		0.1	"	2.00	ND	97	75-125		20
Lead	5.69		0.3	"	5.00	1.2	90	75-125		20
Selenium	19.9		0.2	"	20.0	ND	99	75-125		20
Silver	0.474		0.1	"	0.500	ND	95	75-125		20

Matrix Spike Dup (B1B0089-MSD1)		Source: 1102011-05								
Arsenic	20.8		0.2	mg/L	20.0	ND	104	75-125	1	20
Barium	19.7		1	"	20.0	0.585	95	75-125	0.6	20
Cadmium	0.503		0.05	"	0.500	0.037	93	75-125	1	20
Chromium	2.04		0.1	"	2.00	ND	102	75-125	1	20
Lead	4.8		0.3	"	5.00	ND	96	75-125	2	20
Selenium	20.5		0.2	"	20.0	ND	102	75-125	2	20
Silver	0.486		0.1	"	0.500	ND	97	75-125	2	20

Matrix Spike Dup (B1B0089-MSD2)		Source: 1102011-10								
Arsenic	20		0.2	mg/L	20.0	ND	100	75-125	2	20
Barium	18.4		1	"	20.0	ND	92	75-125	3	20
Cadmium	0.469		0.05	"	0.500	ND	94	75-125	2	20
Chromium	1.92		0.1	"	2.00	ND	96	75-125	3	20
Lead	4.44		0.3	"	5.00	ND	89	75-125	3	20
Selenium	19.8		0.2	"	20.0	ND	99	75-125	2	20
Silver	0.47		0.1	"	0.500	ND	94	75-125	2	20

Matrix Spike Dup (B1B0089-MSD3)		Source: 1102011-15								
Arsenic	19.7		0.2	mg/L	20.0	ND	99	75-125	1	20
Barium	18.8		1	"	20.0	0.541	91	75-125	1	20
Cadmium	0.471		0.05	"	0.500	ND	94	75-125	0.6	20
Chromium	1.91		0.1	"	2.00	ND	96	75-125	1	20
Lead	5.62		0.3	"	5.00	1.2	88	75-125	1	20
Selenium	19.8		0.2	"	20.0	ND	99	75-125	0.4	20
Silver	0.474		0.1	"	0.500	ND	95	75-125	0.1	20

Batch B1C0036 - Leachate Digest - Metals, TCLP, Mercury

Prepared & Analyzed: 03/09/11

Metals by EPA 200 Series Methods - Quality Control

Blank (B1C0036-BLK1)										
Mercury	ND	U	0.0003	mg/L						
Blank (B1C0036-BLK2)										
Mercury	ND	U	0.0003	mg/L						



United States Environmental Protection Agency Region 9 Laboratory

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Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B1C0036 - Leachate Digest - Metals, TCLP, Mercury						Prepared & Analyzed: 03/09/11				
						Metals by EPA 200 Series Methods - Quality Control				
LCS (B1C0036-BS1)										
Mercury	0.00213		0.0003	mg/L	0.00200		106	85-115		
LCS (B1C0036-BS2)										
Mercury	0.00234		0.0003	mg/L	0.00200		117	85-115		
Duplicate (B1C0036-DUP1) Source: 1102011-05										
Mercury	ND	U	0.0003	mg/L		ND				20
Duplicate (B1C0036-DUP2) Source: 1102011-15										
Mercury	ND	U	0.0003	mg/L		ND				20
Matrix Spike (B1C0036-MS1) Source: 1102011-05										
Mercury	0.00227		0.0003	mg/L	0.00200	ND	114	70-130		20
Matrix Spike (B1C0036-MS2) Source: 1102011-15										
Mercury	0.00236		0.0003	mg/L	0.00200	ND	118	70-130		20
Matrix Spike Dup (B1C0036-MSD1) Source: 1102011-05										
Mercury	0.00237		0.0003	mg/L	0.00200	ND	119	70-130	4	20
Matrix Spike Dup (B1C0036-MSD2) Source: 1102011-15										
Mercury	0.00227		0.0003	mg/L	0.00200	ND	114	70-130	3	20



United States Environmental Protection Agency
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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: 03/17/11 16:28

Qualifiers and Comments

NA Not applicable.

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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