

US EPA ARCHIVE DOCUMENT



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

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

Date: 4/13/2011
Subject: Analytical Testing Results - Project R11R03
SDG: DRAFT 11090B
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 DRAFT REPORT, the Lab Project Manager at (510)412-2300.

Analyses included in this report:

Metals by ICP

Percent Solids



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: DRAFT 11090B

Project Number: R11R03

75 Hawthorne Street

Reported: 04/13/11 12:47

Project: Western Environmental, Inc. 2011 RCRA
 Inspection

San Francisco CA, 94105

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Collected	Date Received
DRAFT: CFUA-1	1103076-01	Soil	02/09/11 14:29	
DRAFT: CFUA-2	1103076-02	Soil	02/09/11 14:40	02/10/11 16:30
DRAFT: CFUA-3	1103076-03	Soil	02/09/11 14:47	02/10/11 16:30
DRAFT: CFUA-4	1103076-04	Soil	02/09/11 14:57	
DRAFT: CFUA-5	1103076-05	Soil	02/09/11 14:57	
DRAFT: CFUA-6	1103076-06	Soil	02/09/11 15:05	
DRAFT: CFUB-1	1103076-07	Soil	02/09/11 13:09	
DRAFT: CFUB-2	1103076-08	Soil	02/09/11 13:21	
DRAFT: CFUB-3	1103076-09	Soil	02/09/11 13:38	02/10/11 16:30
DRAFT: CFUB-4	1103076-10	Soil	02/09/11 13:46	
DRAFT: CFUB-5	1103076-11	Soil	02/09/11 13:48	
DRAFT: OSPTA-1	1103076-12	Soil	02/09/11 08:00	02/10/11 16:30
DRAFT: OSPTA-2	1103076-13	Soil	02/09/11 08:00	
DRAFT: OSPTA-3	1103076-14	Soil	02/09/11 08:26	
DRAFT: OSPTA-4	1103076-15	Soil	02/09/11 08:42	
DRAFT: OSPTA-5	1103076-16	Soil	02/09/11 08:58	
DRAFT: OSPTA-6	1103076-17	Soil	02/09/11 08:58	
DRAFT: ISPPA-1	1103076-18	Soil	02/09/11 15:36	
DRAFT: ISPPA-2	1103076-19	Soil	02/09/11 15:43	
DRAFT: ISPPA-3	1103076-20	Soil	02/09/11 15:49	02/10/11 16:30
DRAFT: ISPPA-4	1103076-21	Soil	02/09/11 15:59	
DRAFT: ISPPA-5	1103076-22	Soil	02/09/11 16:00	02/10/11 16:30

SDG ID DRAFT 11090B

Work Order(s)

1103076



United States Environmental Protection Agency

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75 Hawthorne Street

San Francisco CA, 94105

SDG: DRAFT 11090B

Reported: 04/13/11 12:47

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
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Lab ID: 1103076-01

Soil - Sampled: 02/09/11 14:29

Sample ID: DRAFT: CFUA-1

DRAFT: Metals by EPA 6000/7000 Series Methods

Antimony		4.4		2.4	mg/kg dry	B1D0006	04/04/11	04/12/11	6010C/SOP503
Arsenic		28		2.4	"	"	"	"	6010C/SOP503
Barium		430		6.1	"	"	"	"	6010C/SOP503
Beryllium		0.58		0.12	"	"	"	"	6010C/SOP503
Cadmium		1.7		0.61	"	"	"	"	6010C/SOP503
Chromium		40		1.2	"	"	"	"	6010C/SOP503
Cobalt		12		2.4	"	"	"	"	6010C/SOP503
Copper		180		4.8	"	"	"	"	6010C/SOP503
Lead		230		3.6	"	"	"	"	6010C/SOP503
Molybdenum		4.2	C1, J	6.1	"	"	"	"	6010C/SOP503
Nickel		47		6.1	"	"	"	"	6010C/SOP503
Selenium		ND	U	2.4	"	"	"	"	6010C/SOP503
Silver		0.76	C1, J	1.2	"	"	"	"	6010C/SOP503
Thallium		ND	U	6.1	"	"	"	"	6010C/SOP503
Vanadium		56		2.4	"	"	"	"	6010C/SOP503
Zinc		630		9.7	"	"	"	"	6010C/SOP503

Sample ID: DRAFT: CFUA-1

DRAFT: Conventional Chemistry Parameters by APHA/EPA Methods

% Solids		83		1	%	B1D0045	02/21/11	04/11/11	3550C/SOP460
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Lab ID: 1103076-02

Soil - Sampled: 02/09/11 14:40

Sample ID: DRAFT: CFUA-2

DRAFT: Metals by EPA 6000/7000 Series Methods

Antimony		2.5		2.4	mg/kg dry	B1D0006	04/04/11	04/12/11	6010C/SOP503
Arsenic		24		2.4	"	"	"	"	6010C/SOP503
Barium		390		6	"	"	"	"	6010C/SOP503
Beryllium		0.53		0.12	"	"	"	"	6010C/SOP503
Cadmium		2.1		0.60	"	"	"	"	6010C/SOP503
Chromium		33		1.2	"	"	"	"	6010C/SOP503
Cobalt		12		2.4	"	"	"	"	6010C/SOP503
Copper		150		4.8	"	"	"	"	6010C/SOP503
Lead		240		3.6	"	"	"	"	6010C/SOP503
Molybdenum		4.6	C1, J	6	"	"	"	"	6010C/SOP503
Nickel		45		6	"	"	"	"	6010C/SOP503
Selenium		ND	U	2.4	"	"	"	"	6010C/SOP503
Silver		0.76	C1, J	1.2	"	"	"	"	6010C/SOP503
Thallium		ND	U	6	"	"	"	"	6010C/SOP503
Vanadium		50		2.4	"	"	"	"	6010C/SOP503
Zinc		650		9.6	"	"	"	"	6010C/SOP503

Sample ID: DRAFT: CFUA-2

DRAFT: Conventional Chemistry Parameters by APHA/EPA Methods

% Solids		83		1	%	B1D0045	02/21/11	04/11/11	3550C/SOP460
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Lab ID: 1103076-03

Soil - Sampled: 02/09/11 14:47

Sample ID: DRAFT: CFUA-3

DRAFT: 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

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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:** DRAFT 11090B**Reported:** 04/13/11 12:47

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
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Lab ID: 1103076-03**Soil - Sampled: 02/09/11 14:47****Sample ID:** DRAFT: CFUA-3**DRAFT: Metals by EPA 6000/7000 Series Methods**

Antimony		3.0		2.4	mg/kg dry	B1D0006	04/04/11	04/12/11	6010C/SOP503
Arsenic		25		2.4	"	"	"	"	6010C/SOP503
Barium		400		6.1	"	"	"	"	6010C/SOP503
Beryllium		0.59		0.12	"	"	"	"	6010C/SOP503
Cadmium		1.7		0.61	"	"	"	"	6010C/SOP503
Chromium		33		1.2	"	"	"	"	6010C/SOP503
Cobalt		11		2.4	"	"	"	"	6010C/SOP503
Copper		230		4.9	"	"	"	"	6010C/SOP503
Lead		270		3.6	"	"	"	"	6010C/SOP503
Molybdenum		3.6	C1, J	6.1	"	"	"	"	6010C/SOP503
Nickel		34		6.1	"	"	"	"	6010C/SOP503
Selenium		ND	U	2.4	"	"	"	"	6010C/SOP503
Silver		0.81	C1, J	1.2	"	"	"	"	6010C/SOP503
Thallium		ND	U	6.1	"	"	"	"	6010C/SOP503
Vanadium		55		2.4	"	"	"	"	6010C/SOP503
Zinc		610		9.7	"	"	"	"	6010C/SOP503

Sample ID: DRAFT: CFUA-3**DRAFT: Conventional Chemistry Parameters by APHA/EPA Methods**

% Solids		82		1	%	B1D0045	02/21/11	04/11/11	3550C/SOP460
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Lab ID: 1103076-04**Soil - Sampled: 02/09/11 14:57****Sample ID:** DRAFT: CFUA-4**DRAFT: Metals by EPA 6000/7000 Series Methods**

Antimony		3.6		2.4	mg/kg dry	B1D0006	04/04/11	04/12/11	6010C/SOP503
Arsenic		39		2.4	"	"	"	"	6010C/SOP503
Barium		410		6	"	"	"	"	6010C/SOP503
Beryllium		0.55		0.12	"	"	"	"	6010C/SOP503
Cadmium		1.7		0.60	"	"	"	"	6010C/SOP503
Chromium		29		1.2	"	"	"	"	6010C/SOP503
Cobalt		11		2.4	"	"	"	"	6010C/SOP503
Copper		140		4.8	"	"	"	"	6010C/SOP503
Lead		970		3.6	"	"	"	"	6010C/SOP503
Molybdenum		4.0	C1, J	6	"	"	"	"	6010C/SOP503
Nickel		30		6	"	"	"	"	6010C/SOP503
Selenium		1.4	C1, J	2.4	"	"	"	"	6010C/SOP503
Silver		0.64	C1, J	1.2	"	"	"	"	6010C/SOP503
Thallium		ND	U	6	"	"	"	"	6010C/SOP503
Vanadium		60		2.4	"	"	"	"	6010C/SOP503
Zinc		610		9.6	"	"	"	"	6010C/SOP503

Sample ID: DRAFT: CFUA-4**DRAFT: Conventional Chemistry Parameters by APHA/EPA Methods**

% Solids		83		1	%	B1D0045	02/21/11	04/11/11	3550C/SOP460
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Lab ID: 1103076-05**Soil - Sampled: 02/09/11 14:57****Sample ID:** DRAFT: CFUA-5**DRAFT: Metals by EPA 6000/7000 Series Methods**



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: DRAFT 11090B

Reported: 04/13/11 12:47

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID:	1103076-05	Soil - Sampled: 02/09/11 14:57							
Sample ID:	DRAFT: CFUA-5	DRAFT: Metals by EPA 6000/7000 Series Methods							
Antimony		4.0	J, Q4	2.4	mg/kg dry	B1D0006	04/04/11	04/12/11	6010C/SOP503
Arsenic		26		2.4	"	"	"	"	6010C/SOP503
Barium		380		6	"	"	"	"	6010C/SOP503
Beryllium		0.55		0.12	"	"	"	"	6010C/SOP503
Cadmium		1.7		0.60	"	"	"	"	6010C/SOP503
Chromium		36		1.2	"	"	"	"	6010C/SOP503
Cobalt		11		2.4	"	"	"	"	6010C/SOP503
Copper		130	J, Q4, Q6	4.8	"	"	"	"	6010C/SOP503
Lead		260	J, Q4	3.6	"	"	"	"	6010C/SOP503
Molybdenum		3.5	C1, J	6	"	"	"	"	6010C/SOP503
Nickel		32		6	"	"	"	"	6010C/SOP503
Selenium		ND	U	2.4	"	"	"	"	6010C/SOP503
Silver		0.72	C1, J	1.2	"	"	"	"	6010C/SOP503
Thallium		ND	U	6	"	"	"	"	6010C/SOP503
Vanadium		51		2.4	"	"	"	"	6010C/SOP503
Zinc		630		9.7	"	"	"	"	6010C/SOP503

Sample ID: DRAFT: CFUA-5

DRAFT: Conventional Chemistry Parameters by APHA/EPA Methods

% Solids	83	1	%	B1D0045	02/21/11	04/11/11	3550C/SOP460
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Lab ID: 1103076-06

Soil - Sampled: 02/09/11 15:05

Sample ID: DRAFT: CFUA-6

DRAFT: Metals by EPA 6000/7000 Series Methods

Antimony		4.3		2.4	mg/kg dry	B1D0006	04/04/11	04/12/11	6010C/SOP503
Arsenic		32		2.4	"	"	"	"	6010C/SOP503
Barium		390		6	"	"	"	"	6010C/SOP503
Beryllium		0.60		0.12	"	"	"	"	6010C/SOP503
Cadmium		1.9		0.60	"	"	"	"	6010C/SOP503
Chromium		37		1.2	"	"	"	"	6010C/SOP503
Cobalt		12		2.4	"	"	"	"	6010C/SOP503
Copper		200		4.8	"	"	"	"	6010C/SOP503
Lead		280		3.6	"	"	"	"	6010C/SOP503
Molybdenum		5.4	C1, J	6	"	"	"	"	6010C/SOP503
Nickel		42		6	"	"	"	"	6010C/SOP503
Selenium		3.6		2.4	"	"	"	"	6010C/SOP503
Silver		0.77	C1, J	1.2	"	"	"	"	6010C/SOP503
Thallium		ND	U	6	"	"	"	"	6010C/SOP503
Vanadium		57		2.4	"	"	"	"	6010C/SOP503
Zinc		690		9.6	"	"	"	"	6010C/SOP503

Sample ID: DRAFT: CFUA-6

DRAFT: Conventional Chemistry Parameters by APHA/EPA Methods

% Solids	83	1	%	B1D0045	02/21/11	04/11/11	3550C/SOP460
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Lab ID: 1103076-07

Soil - Sampled: 02/09/11 13:09

Sample ID: DRAFT: CFUB-1

DRAFT: Metals by EPA 6000/7000 Series Methods



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SDG: DRAFT 11090B

Project Number: R11R03

75 Hawthorne Street

Reported: 04/13/11 12:47

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: 1103076-07		Soil - Sampled: 02/09/11 13:09							
Sample ID: DRAFT: CFUB-1		DRAFT: Metals by EPA 6000/7000 Series Methods							
Antimony		4.5		2.2	mg/kg dry	B1D0006	04/04/11	04/12/11	6010C/SOP503
Arsenic		14		2.2	"	"	"	"	6010C/SOP503
Barium		340		5.5	"	"	"	"	6010C/SOP503
Beryllium		0.44		0.11	"	"	"	"	6010C/SOP503
Cadmium		1.6		0.55	"	"	"	"	6010C/SOP503
Chromium		26		1.1	"	"	"	"	6010C/SOP503
Cobalt		16		2.2	"	"	"	"	6010C/SOP503
Copper		110		4.4	"	"	"	"	6010C/SOP503
Lead		230		3.3	"	"	"	"	6010C/SOP503
Molybdenum		ND	U	5.5	"	"	"	"	6010C/SOP503
Nickel		26		5.5	"	"	"	"	6010C/SOP503
Selenium		ND	U	2.2	"	"	"	"	6010C/SOP503
Silver		0.59	C1, J	1.1	"	"	"	"	6010C/SOP503
Thallium		ND	U	5.5	"	"	"	"	6010C/SOP503
Vanadium		45		2.2	"	"	"	"	6010C/SOP503
Zinc		670		8.9	"	"	"	"	6010C/SOP503

Sample ID: DRAFT: CFUB-1		DRAFT: Conventional Chemistry Parameters by APHA/EPA Methods							
% Solids		90		1	%	B1D0045	02/21/11	04/11/11	3550C/SOP460

Lab ID: 1103076-08 **Soil - Sampled: 02/09/11 13:21**

Sample ID: DRAFT: CFUB-2		DRAFT: Metals by EPA 6000/7000 Series Methods							
Antimony		4.1		2.2	mg/kg dry	B1D0006	04/04/11	04/12/11	6010C/SOP503
Arsenic		14		2.2	"	"	"	"	6010C/SOP503
Barium		480		5.6	"	"	"	"	6010C/SOP503
Beryllium		0.47		0.11	"	"	"	"	6010C/SOP503
Cadmium		1.5		0.56	"	"	"	"	6010C/SOP503
Chromium		28		1.1	"	"	"	"	6010C/SOP503
Cobalt		11		2.2	"	"	"	"	6010C/SOP503
Copper		230		4.5	"	"	"	"	6010C/SOP503
Lead		210		3.4	"	"	"	"	6010C/SOP503
Molybdenum		ND	U	5.6	"	"	"	"	6010C/SOP503
Nickel		31		5.6	"	"	"	"	6010C/SOP503
Selenium		ND	U	2.2	"	"	"	"	6010C/SOP503
Silver		0.56	C1, J	1.1	"	"	"	"	6010C/SOP503
Thallium		ND	U	5.6	"	"	"	"	6010C/SOP503
Vanadium		50		2.2	"	"	"	"	6010C/SOP503
Zinc		560		9	"	"	"	"	6010C/SOP503

Sample ID: DRAFT: CFUB-2		DRAFT: Conventional Chemistry Parameters by APHA/EPA Methods							
% Solids		89		1	%	B1D0045	02/21/11	04/11/11	3550C/SOP460

Lab ID: 1103076-09 **Soil - Sampled: 02/09/11 13:38**

Sample ID: DRAFT: CFUB-3 **DRAFT: Metals by EPA 6000/7000 Series Methods**



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Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID:	1103076-09	Soil - Sampled: 02/09/11 13:38							
Sample ID:	DRAFT: CFUB-3	DRAFT: Metals by EPA 6000/7000 Series Methods							
Antimony		4.4		2.3	mg/kg dry	B1D0006	04/04/11	04/12/11	6010C/SOP503
Arsenic		20		2.3	"	"	"	"	6010C/SOP503
Barium		430		5.7	"	"	"	"	6010C/SOP503
Beryllium		0.50		0.11	"	"	"	"	6010C/SOP503
Cadmium		1.6		0.57	"	"	"	"	6010C/SOP503
Chromium		36		1.1	"	"	"	"	6010C/SOP503
Cobalt		17		2.3	"	"	"	"	6010C/SOP503
Copper		160		4.6	"	"	"	"	6010C/SOP503
Lead		230		3.4	"	"	"	"	6010C/SOP503
Molybdenum		ND	U	5.7	"	"	"	"	6010C/SOP503
Nickel		42		5.7	"	"	"	"	6010C/SOP503
Selenium		ND	U	2.3	"	"	"	"	6010C/SOP503
Silver		0.64	C1, J	1.1	"	"	"	"	6010C/SOP503
Thallium		ND	U	5.7	"	"	"	"	6010C/SOP503
Vanadium		57		2.3	"	"	"	"	6010C/SOP503
Zinc		720		9.1	"	"	"	"	6010C/SOP503

Sample ID: DRAFT: CFUB-3**DRAFT: Conventional Chemistry Parameters by APHA/EPA Methods**

% Solids 87 1 % B1D0045 02/21/11 04/11/11 3550C/SOP460

Lab ID: 1103076-10**Soil - Sampled: 02/09/11 13:46****Sample ID:** DRAFT: CFUB-4**DRAFT: Metals by EPA 6000/7000 Series Methods**

Antimony		3.8	J, Q4, Q6	2.3	mg/kg dry	B1D0006	04/04/11	04/12/11	6010C/SOP503
Arsenic		21		2.3	"	"	"	"	6010C/SOP503
Barium		380	J, Q4, Q6	5.8	"	"	"	"	6010C/SOP503
Beryllium		0.50		0.12	"	"	"	"	6010C/SOP503
Cadmium		2.3		0.58	"	"	"	"	6010C/SOP503
Chromium		33	J, Q4	1.2	"	"	"	"	6010C/SOP503
Cobalt		12		2.3	"	"	"	"	6010C/SOP503
Copper		130	J, Q4	4.7	"	"	"	"	6010C/SOP503
Lead		240	J, Q4	3.5	"	"	"	"	6010C/SOP503
Molybdenum		3.7	C1, J	5.8	"	"	"	"	6010C/SOP503
Nickel		47		5.8	"	"	"	"	6010C/SOP503
Selenium		ND	U	2.3	"	"	"	"	6010C/SOP503
Silver		0.67	C1, J	1.2	"	"	"	"	6010C/SOP503
Thallium		ND	U	5.8	"	"	"	"	6010C/SOP503
Vanadium		55		2.3	"	"	"	"	6010C/SOP503
Zinc		750	J, Q6	9.3	"	"	"	"	6010C/SOP503

Sample ID: DRAFT: CFUB-4**DRAFT: Conventional Chemistry Parameters by APHA/EPA Methods**

% Solids 86 1 % B1D0045 02/21/11 04/11/11 3550C/SOP460

Lab ID: 1103076-11**Soil - Sampled: 02/09/11 13:48****Sample ID:** DRAFT: CFUB-5**DRAFT: Metals by EPA 6000/7000 Series Methods**



United States Environmental Protection Agency

Region 9 Laboratory

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

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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: DRAFT 11090B

Reported: 04/13/11 12:47

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID:	1103076-11	Soil - Sampled: 02/09/11 13:48							
Sample ID:	DRAFT: CFUB-5	DRAFT: Metals by EPA 6000/7000 Series Methods							
Antimony		3.7		2.3	mg/kg dry	B1D0006	04/04/11	04/12/11	6010C/SOP503
Arsenic		21		2.3	"	"	"	"	6010C/SOP503
Barium		430		5.8	"	"	"	"	6010C/SOP503
Beryllium		0.46		0.12	"	"	"	"	6010C/SOP503
Cadmium		1.6		0.58	"	"	"	"	6010C/SOP503
Chromium		29		1.2	"	"	"	"	6010C/SOP503
Cobalt		12		2.3	"	"	"	"	6010C/SOP503
Copper		120		4.6	"	"	"	"	6010C/SOP503
Lead		220		3.5	"	"	"	"	6010C/SOP503
Molybdenum		ND	U	5.8	"	"	"	"	6010C/SOP503
Nickel		30		5.8	"	"	"	"	6010C/SOP503
Selenium		ND	U	2.3	"	"	"	"	6010C/SOP503
Silver		0.62	C1, J	1.2	"	"	"	"	6010C/SOP503
Thallium		ND	U	5.8	"	"	"	"	6010C/SOP503
Vanadium		52		2.3	"	"	"	"	6010C/SOP503
Zinc		530		9.2	"	"	"	"	6010C/SOP503

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

% Solids 87 1 % B1D0045 02/21/11 04/11/11 3550C/SOP460

Lab ID: 1103076-12**Soil - Sampled: 02/09/11 08:00****Sample ID:** DRAFT: OSPTA-1**DRAFT: Metals by EPA 6000/7000 Series Methods**

Antimony		ND	U	2.4	mg/kg dry	B1D0006	04/04/11	04/12/11	6010C/SOP503
Arsenic		6.6		2.4	"	"	"	"	6010C/SOP503
Barium		1,300		6	"	"	"	"	6010C/SOP503
Beryllium		0.46		0.12	"	"	"	"	6010C/SOP503
Cadmium		0.46	C1, J	0.60	"	"	"	"	6010C/SOP503
Chromium		27		1.2	"	"	"	"	6010C/SOP503
Cobalt		7.6		2.4	"	"	"	"	6010C/SOP503
Copper		43		4.8	"	"	"	"	6010C/SOP503
Lead		55		3.6	"	"	"	"	6010C/SOP503
Molybdenum		7.9		6	"	"	"	"	6010C/SOP503
Nickel		39		6	"	"	"	"	6010C/SOP503
Selenium		ND	U	2.4	"	"	"	"	6010C/SOP503
Silver		0.60	C1, J	1.2	"	"	"	"	6010C/SOP503
Thallium		ND	U	6	"	"	"	"	6010C/SOP503
Vanadium		58		2.4	"	"	"	"	6010C/SOP503
Zinc		150		9.6	"	"	"	"	6010C/SOP503

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

% Solids 83 1 % B1D0045 02/21/11 04/11/11 3550C/SOP460

Lab ID: 1103076-13**Soil - Sampled: 02/09/11 08:00****Sample ID:** DRAFT: OSPTA-2**DRAFT: Metals by EPA 6000/7000 Series Methods**

Report ID: 1103076 DRAFT 04 13 11 1247

Page 7 of 17



United States Environmental Protection Agency

Region 9 Laboratory

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 Phone:(510) 412-2300 Fax:(510) 412-2302

Project Manager: Cameron McDonald

RCRA Enforcement Office

SDG: DRAFT 11090B

Project Number: R11R03

75 Hawthorne Street

Reported: 04/13/11 12:47

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
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Lab ID: 1103076-13

Soil - Sampled: 02/09/11 08:00

Sample ID: DRAFT: OSPTA-2

DRAFT: Metals by EPA 6000/7000 Series Methods

Antimony		ND	U	2.2	mg/kg dry	B1D0006	04/04/11	04/12/11	6010C/SOP503
Arsenic		4.1		2.2	"	"	"	"	6010C/SOP503
Barium		250		5.6	"	"	"	"	6010C/SOP503
Beryllium		0.33		0.11	"	"	"	"	6010C/SOP503
Cadmium		0.48	C1, J	0.56	"	"	"	"	6010C/SOP503
Chromium		17		1.1	"	"	"	"	6010C/SOP503
Cobalt		5.5		2.2	"	"	"	"	6010C/SOP503
Copper		24		4.5	"	"	"	"	6010C/SOP503
Lead		110		3.3	"	"	"	"	6010C/SOP503
Molybdenum		ND	U	5.6	"	"	"	"	6010C/SOP503
Nickel		12		5.6	"	"	"	"	6010C/SOP503
Selenium		ND	U	2.2	"	"	"	"	6010C/SOP503
Silver		ND	U	1.1	"	"	"	"	6010C/SOP503
Thallium		ND	U	5.6	"	"	"	"	6010C/SOP503
Vanadium		41		2.2	"	"	"	"	6010C/SOP503
Zinc		120		8.9	"	"	"	"	6010C/SOP503

Sample ID: DRAFT: OSPTA-2

DRAFT: Conventional Chemistry Parameters by APHA/EPA Methods

% Solids		90		1	%	B1D0045	02/21/11	04/11/11	3550C/SOP460
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Lab ID: 1103076-14

Soil - Sampled: 02/09/11 08:26

Sample ID: DRAFT: OSPTA-3

DRAFT: Metals by EPA 6000/7000 Series Methods

Antimony		ND	U	2.6	mg/kg dry	B1D0006	04/04/11	04/12/11	6010C/SOP503
Arsenic		11		2.6	"	"	"	"	6010C/SOP503
Barium		120		6.6	"	"	"	"	6010C/SOP503
Beryllium		0.22		0.13	"	"	"	"	6010C/SOP503
Cadmium		0.44	C1, J	0.66	"	"	"	"	6010C/SOP503
Chromium		22		1.3	"	"	"	"	6010C/SOP503
Cobalt		4.1		2.6	"	"	"	"	6010C/SOP503
Copper		24		5.3	"	"	"	"	6010C/SOP503
Lead		42		4	"	"	"	"	6010C/SOP503
Molybdenum		9.1		6.6	"	"	"	"	6010C/SOP503
Nickel		14		6.6	"	"	"	"	6010C/SOP503
Selenium		16		2.6	"	"	"	"	6010C/SOP503
Silver		ND	U	1.3	"	"	"	"	6010C/SOP503
Thallium		ND	U	6.6	"	"	"	"	6010C/SOP503
Vanadium		38		2.6	"	"	"	"	6010C/SOP503
Zinc		85		11	"	"	"	"	6010C/SOP503

Sample ID: DRAFT: OSPTA-3

DRAFT: Conventional Chemistry Parameters by APHA/EPA Methods

% Solids		70		1	%	B1D0045	02/21/11	04/11/11	3550C/SOP460
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Lab ID: 1103076-15

Soil - Sampled: 02/09/11 08:42



United States Environmental Protection Agency

Region 9 Laboratory

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RCRA Enforcement Office

SDG: DRAFT 11090B

Project Number: R11R03

75 Hawthorne Street

Reported: 04/13/11 12:47

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
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Lab ID: 1103076-15

Soil - Sampled: 02/09/11 08:42

Sample ID: DRAFT: OSPTA-4

DRAFT: Metals by EPA 6000/7000 Series Methods

Antimony		2.7		2.1	mg/kg dry	B1D0006	04/04/11	04/12/11	6010C/SOP503
Arsenic		3.7		2.1	"	"	"	"	6010C/SOP503
Barium		99		5.4	"	"	"	"	6010C/SOP503
Beryllium		0.31		0.11	"	"	"	"	6010C/SOP503
Cadmium		0.36	C1, J	0.54	"	"	"	"	6010C/SOP503
Chromium		15		1.1	"	"	"	"	6010C/SOP503
Cobalt		5.5		2.1	"	"	"	"	6010C/SOP503
Copper		24		4.3	"	"	"	"	6010C/SOP503
Lead		460		3.2	"	"	"	"	6010C/SOP503
Molybdenum		ND	U	5.4	"	"	"	"	6010C/SOP503
Nickel		8.2		5.4	"	"	"	"	6010C/SOP503
Selenium		ND	U	2.1	"	"	"	"	6010C/SOP503
Silver		ND	U	1.1	"	"	"	"	6010C/SOP503
Thallium		ND	U	5.4	"	"	"	"	6010C/SOP503
Vanadium		40		2.1	"	"	"	"	6010C/SOP503
Zinc		110		8.6	"	"	"	"	6010C/SOP503

Sample ID: DRAFT: OSPTA-4

DRAFT: Conventional Chemistry Parameters by APHA/EPA Methods

% Solids		93		1	%	B1D0045	02/21/11	04/11/11	3550C/SOP460
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Lab ID: 1103076-16

Soil - Sampled: 02/09/11 08:58

Sample ID: DRAFT: OSPTA-5

DRAFT: Metals by EPA 6000/7000 Series Methods

Antimony		ND	U	3	mg/kg dry	B1D0006	04/04/11	04/12/11	6010C/SOP503
Arsenic		6.6		3	"	"	"	"	6010C/SOP503
Barium		250		7.4	"	"	"	"	6010C/SOP503
Beryllium		0.43		0.15	"	"	"	"	6010C/SOP503
Cadmium		ND	U	0.74	"	"	"	"	6010C/SOP503
Chromium		28		1.5	"	"	"	"	6010C/SOP503
Cobalt		7.0		3	"	"	"	"	6010C/SOP503
Copper		33		6	"	"	"	"	6010C/SOP503
Lead		30		4.5	"	"	"	"	6010C/SOP503
Molybdenum		8.7		7.4	"	"	"	"	6010C/SOP503
Nickel		14		7.4	"	"	"	"	6010C/SOP503
Selenium		ND	U	3	"	"	"	"	6010C/SOP503
Silver		ND	U	1.5	"	"	"	"	6010C/SOP503
Thallium		ND	U	7.4	"	"	"	"	6010C/SOP503
Vanadium		45		3	"	"	"	"	6010C/SOP503
Zinc		100		12	"	"	"	"	6010C/SOP503

Sample ID: DRAFT: OSPTA-5

DRAFT: Conventional Chemistry Parameters by APHA/EPA Methods

% Solids		67		1	%	B1D0045	02/21/11	04/11/11	3550C/SOP460
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Lab ID: 1103076-17

Soil - Sampled: 02/09/11 08:58



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: DRAFT 11090B

Project Number: R11R03

75 Hawthorne Street

Reported: 04/13/11 12:47

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
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Lab ID: 1103076-17

Soil - Sampled: 02/09/11 08:58

Sample ID: DRAFT: OSPTA-6

DRAFT: Metals by EPA 6000/7000 Series Methods

Antimony		ND	U	3	mg/kg dry	B1D0006	04/04/11	04/12/11	6010C/SOP503
Arsenic		6.3		3	"	"	"	"	6010C/SOP503
Barium		280		7.4	"	"	"	"	6010C/SOP503
Beryllium		0.38		0.15	"	"	"	"	6010C/SOP503
Cadmium		0.39	C1, J	0.74	"	"	"	"	6010C/SOP503
Chromium		26		1.5	"	"	"	"	6010C/SOP503
Cobalt		6.7		3	"	"	"	"	6010C/SOP503
Copper		33		5.9	"	"	"	"	6010C/SOP503
Lead		31		4.5	"	"	"	"	6010C/SOP503
Molybdenum		8.5		7.4	"	"	"	"	6010C/SOP503
Nickel		14		7.4	"	"	"	"	6010C/SOP503
Selenium		ND	U	3	"	"	"	"	6010C/SOP503
Silver		ND	U	1.5	"	"	"	"	6010C/SOP503
Thallium		ND	U	7.4	"	"	"	"	6010C/SOP503
Vanadium		42		3	"	"	"	"	6010C/SOP503
Zinc		100		12	"	"	"	"	6010C/SOP503

Sample ID: DRAFT: OSPTA-6

DRAFT: Conventional Chemistry Parameters by APHA/EPA Methods

% Solids		67		1	%	B1D0045	02/21/11	04/11/11	3550C/SOP460
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Lab ID: 1103076-18

Soil - Sampled: 02/09/11 15:36

Sample ID: DRAFT: ISPPA-1

DRAFT: Metals by EPA 6000/7000 Series Methods

Antimony		4.5		2.4	mg/kg dry	B1D0006	04/04/11	04/12/11	6010C/SOP503
Arsenic		46		2.4	"	"	"	"	6010C/SOP503
Barium		390		5.9	"	"	"	"	6010C/SOP503
Beryllium		0.52		0.12	"	"	"	"	6010C/SOP503
Cadmium		2.1		0.59	"	"	"	"	6010C/SOP503
Chromium		78		1.2	"	"	"	"	6010C/SOP503
Cobalt		14		2.4	"	"	"	"	6010C/SOP503
Copper		220		4.7	"	"	"	"	6010C/SOP503
Lead		260		3.5	"	"	"	"	6010C/SOP503
Molybdenum		5.1	C1, J	5.9	"	"	"	"	6010C/SOP503
Nickel		73		5.9	"	"	"	"	6010C/SOP503
Selenium		ND	U	2.4	"	"	"	"	6010C/SOP503
Silver		0.81	C1, J	1.2	"	"	"	"	6010C/SOP503
Thallium		ND	U	5.9	"	"	"	"	6010C/SOP503
Vanadium		67		2.4	"	"	"	"	6010C/SOP503
Zinc		950		9.4	"	"	"	"	6010C/SOP503

Sample ID: DRAFT: ISPPA-1

DRAFT: Conventional Chemistry Parameters by APHA/EPA Methods

% Solids		85		1	%	B1D0045	02/21/11	04/11/11	3550C/SOP460
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Lab ID: 1103076-19

Soil - Sampled: 02/09/11 15:43

Sample ID: DRAFT: ISPPA-2

DRAFT: Metals by EPA 6000/7000 Series Methods

Report ID: 1103076 DRAFT 04 13 11 1247



United States Environmental Protection Agency

Region 9 Laboratory

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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: DRAFT 11090B

Reported: 04/13/11 12:47

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
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Lab ID: 1103076-19

Soil - Sampled: 02/09/11 15:43

Sample ID: DRAFT: ISPPA-2

DRAFT: Metals by EPA 6000/7000 Series Methods

Antimony		4.7		2.3	mg/kg dry	B1D0006	04/04/11	04/12/11	6010C/SOP503
Arsenic		29		2.3	"	"	"	"	6010C/SOP503
Barium		340		5.8	"	"	"	"	6010C/SOP503
Beryllium		0.39		0.12	"	"	"	"	6010C/SOP503
Cadmium		2.5		0.58	"	"	"	"	6010C/SOP503
Chromium		39		1.2	"	"	"	"	6010C/SOP503
Cobalt		12		2.3	"	"	"	"	6010C/SOP503
Copper		5,300		4.6	"	"	"	"	6010C/SOP503
Lead		220		3.5	"	"	"	"	6010C/SOP503
Molybdenum		5.8		5.8	"	"	"	"	6010C/SOP503
Nickel		320		5.8	"	"	"	"	6010C/SOP503
Selenium		ND	U	2.3	"	"	"	"	6010C/SOP503
Silver		3.8		1.2	"	"	"	"	6010C/SOP503
Thallium		ND	U	5.8	"	"	"	"	6010C/SOP503
Vanadium		53		2.3	"	"	"	"	6010C/SOP503
Zinc		2,300		9.3	"	"	"	"	6010C/SOP503

Sample ID: DRAFT: ISPPA-2

DRAFT: Conventional Chemistry Parameters by APHA/EPA Methods

% Solids		86		1	%	B1D0045	02/21/11	04/11/11	3550C/SOP460
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Lab ID: 1103076-20

Soil - Sampled: 02/09/11 15:49

Sample ID: DRAFT: ISPPA-3

DRAFT: Metals by EPA 6000/7000 Series Methods

Antimony		4.2		2.2	mg/kg dry	B1D0006	04/04/11	04/12/11	6010C/SOP503
Arsenic		40		2.2	"	"	"	"	6010C/SOP503
Barium		350		5.6	"	"	"	"	6010C/SOP503
Beryllium		0.49		0.11	"	"	"	"	6010C/SOP503
Cadmium		2.1		0.56	"	"	"	"	6010C/SOP503
Chromium		53		1.1	"	"	"	"	6010C/SOP503
Cobalt		16		2.2	"	"	"	"	6010C/SOP503
Copper		310		4.5	"	"	"	"	6010C/SOP503
Lead		230		3.4	"	"	"	"	6010C/SOP503
Molybdenum		3.9	C1, J	5.6	"	"	"	"	6010C/SOP503
Nickel		67		5.6	"	"	"	"	6010C/SOP503
Selenium		ND	U	2.2	"	"	"	"	6010C/SOP503
Silver		0.85	C1, J	1.1	"	"	"	"	6010C/SOP503
Thallium		ND	U	5.6	"	"	"	"	6010C/SOP503
Vanadium		64		2.2	"	"	"	"	6010C/SOP503
Zinc		920		9	"	"	"	"	6010C/SOP503

Sample ID: DRAFT: ISPPA-3

DRAFT: Conventional Chemistry Parameters by APHA/EPA Methods

% Solids		89		1	%	B1D0045	02/21/11	04/11/11	3550C/SOP460
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Lab ID: 1103076-21

Soil - Sampled: 02/09/11 15:59

Sample ID: DRAFT: ISPPA-4

DRAFT: Metals by EPA 6000/7000 Series Methods



United States Environmental Protection Agency

Region 9 Laboratory

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Project Manager: Cameron McDonald	RCRA Enforcement Office	SDG: DRAFT 11090B
Project Number: R11R03	75 Hawthorne Street	Reported: 04/13/11 12:47
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
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Lab ID: 1103076-21 Soil - Sampled: 02/09/11 15:59

Sample ID: DRAFT: ISPPA-4 DRAFT: Metals by EPA 6000/7000 Series Methods

Antimony		ND	U	2.2	mg/kg dry	B1D0006	04/04/11	04/12/11	6010C/SOP503
Arsenic		2.4		2.2	"	"	"	"	6010C/SOP503
Barium		65		5.4	"	"	"	"	6010C/SOP503
Beryllium		0.35		0.11	"	"	"	"	6010C/SOP503
Cadmium		ND	U	0.54	"	"	"	"	6010C/SOP503
Chromium		14		1.1	"	"	"	"	6010C/SOP503
Cobalt		6.0		2.2	"	"	"	"	6010C/SOP503
Copper		15		4.3	"	"	"	"	6010C/SOP503
Lead		56		3.2	"	"	"	"	6010C/SOP503
Molybdenum		ND	U	5.4	"	"	"	"	6010C/SOP503
Nickel		6.6		5.4	"	"	"	"	6010C/SOP503
Selenium		ND	U	2.2	"	"	"	"	6010C/SOP503
Silver		ND	U	1.1	"	"	"	"	6010C/SOP503
Thallium		ND	U	5.4	"	"	"	"	6010C/SOP503
Vanadium		36		2.2	"	"	"	"	6010C/SOP503
Zinc		71		8.6	"	"	"	"	6010C/SOP503

Sample ID: DRAFT: ISPPA-4 DRAFT: Conventional Chemistry Parameters by APHA/EPA Methods

% Solids		93		1	%	B1D0045	02/21/11	04/11/11	3550C/SOP460
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Lab ID: 1103076-22 Soil - Sampled: 02/09/11 16:00

Sample ID: DRAFT: ISPPA-5 DRAFT: Metals by EPA 6000/7000 Series Methods

Antimony		ND	U	2.2	mg/kg dry	B1D0006	04/04/11	04/12/11	6010C/SOP503
Arsenic		2.4		2.2	"	"	"	"	6010C/SOP503
Barium		130		5.4	"	"	"	"	6010C/SOP503
Beryllium		0.35		0.11	"	"	"	"	6010C/SOP503
Cadmium		0.54		0.54	"	"	"	"	6010C/SOP503
Chromium		16		1.1	"	"	"	"	6010C/SOP503
Cobalt		7.6		2.2	"	"	"	"	6010C/SOP503
Copper		25		4.3	"	"	"	"	6010C/SOP503
Lead		160		3.2	"	"	"	"	6010C/SOP503
Molybdenum		ND	U	5.4	"	"	"	"	6010C/SOP503
Nickel		8.2		5.4	"	"	"	"	6010C/SOP503
Selenium		ND	U	2.2	"	"	"	"	6010C/SOP503
Silver		ND	U	1.1	"	"	"	"	6010C/SOP503
Thallium		ND	U	5.4	"	"	"	"	6010C/SOP503
Vanadium		37		2.2	"	"	"	"	6010C/SOP503
Zinc		190		8.6	"	"	"	"	6010C/SOP503

Sample ID: DRAFT: ISPPA-5 DRAFT: Conventional Chemistry Parameters by APHA/EPA Methods

% Solids		93		1	%	B1D0045	02/21/11	04/11/11	3550C/SOP460
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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: DRAFT 11090B
Project Number: R11R03	75 Hawthorne Street	Reported: 04/13/11 12:47
Project: Western Environmental, Inc. 2011 RCRA Inspection	San Francisco CA, 94105	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch B1D0006 - 3050B Sld Acid Dig - Metals by 6010

Prepared: 04/04/11 Analyzed: 04/12/11

DRAFT: Metals by EPA 6000/7000 Series Methods - Quality Control

Blank (B1D0006-BLK1)

Antimony	ND	U		2 mg/kg wet						
Arsenic	ND	U		2 "						
Barium	ND	U		5 "						
Beryllium	ND	U		0.1 "						
Cadmium	ND	U		0.5 "						
Chromium	ND	U		1 "						
Cobalt	ND	U		2 "						
Copper	ND	U		4 "						
Lead	ND	U		3 "						
Molybdenum	ND	U		5 "						
Nickel	ND	U		5 "						
Selenium	ND	U		2 "						
Silver	ND	U		1 "						
Thallium	ND	U		5 "						
Vanadium	ND	U		2 "						
Zinc	ND	U		8 "						

Blank (B1D0006-BLK2)

Antimony	ND	U		2 mg/kg wet						
Arsenic	ND	U		2 "						
Barium	ND	U		5 "						
Beryllium	ND	U		0.1 "						
Cadmium	ND	U		0.5 "						
Chromium	ND	U		1 "						
Cobalt	ND	U		2 "						
Copper	ND	U		4 "						
Lead	ND	U		3 "						
Molybdenum	ND	U		5 "						
Nickel	ND	U		5 "						
Selenium	ND	U		2 "						
Silver	ND	U		1 "						
Thallium	ND	U		5 "						
Vanadium	ND	U		2 "						
Zinc	ND	U		8 "						

Matrix Spike (B1D0006-MS1)

Source: 1103076-05

Antimony	49.3			2.4 mg/kg dry	120	4.04	38	75-125		20
Arsenic	467			2.4 "	479	25.9	92	75-125		20
Barium	833			6 "	479	384	94	75-125		20
Beryllium	12.1			0.12 "	12.0	0.552	97	75-125		20
Cadmium	11.7			0.6 "	12.0	1.7	84	75-125		20
Chromium	71.9			1.2 "	47.9	36.4	74	75-125		20



United States Environmental Protection Agency

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Project Manager: Cameron McDonald	RCRA Enforcement Office	SDG: DRAFT 11090B
Project Number: R11R03	75 Hawthorne Street	Reported: 04/13/11 12:47
Project: Western Environmental, Inc. 2011 RCRA Inspection	San Francisco CA, 94105	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch B1D0006 - 3050B Sld Acid Dig - Metals by 6010

Prepared: 04/04/11 Analyzed: 04/12/11

DRAFT: Metals by EPA 6000/7000 Series Methods - Quality Control

Matrix Spike (B1D0006-MS1)

Source: 1103076-05

Cobalt	118		2.4	"	120	11.4	89	75-125		20
Copper	278		4.8	"	59.9	133	242	75-125		20
Lead	316		3.6	"	120	259	48	75-125		20
Molybdenum	111		6	"	120	3.53	89	75-125		20
Nickel	136		6	"	120	32.4	86	75-125		20
Selenium	432		2.4	"	479	ND	90	75-125		20
Silver	12.3		1.2	"	12.0	0.72	97	75-125		20
Thallium	406		6	"	479	ND	85	75-125		20
Vanadium	168		2.4	"	120	50.6	98	75-125		20
Zinc	624	Q10	9.7	"	120	630	NR	75-125		20

Matrix Spike (B1D0006-MS2)

Source: 1103076-10

Antimony	86.2		2.3	mg/kg dry	113	3.85	73	75-125		20
Arsenic	426		2.3	"	451	21.2	90	75-125		20
Barium	2,220		5.8	"	451	384	406	75-125		20
Beryllium	11.3		0.12	"	11.3	0.503	96	75-125		20
Cadmium	11.6		0.58	"	11.3	2.28	82	75-125		20
Chromium	70.3		1.2	"	45.1	33.4	82	75-125		20
Cobalt	112		2.3	"	113	12	89	75-125		20
Copper	164		4.7	"	56.4	131	58	75-125		20
Lead	384		3.5	"	113	240	128	75-125		20
Molybdenum	99.7		5.8	"	113	3.72	85	75-125		20
Nickel	136		5.8	"	113	46.7	79	75-125		20
Selenium	390		2.3	"	451	ND	86	75-125		20
Silver	11.4		1.2	"	11.3	0.674	95	75-125		20
Thallium	376		5.8	"	451	ND	83	75-125		20
Vanadium	163		2.3	"	113	54.9	96	75-125		20
Zinc	1,020	Q10	9.3	"	113	752	240	75-125		20

Matrix Spike Dup (B1D0006-MSD1)

Source: 1103076-05

Antimony	50.2		2.4	mg/kg dry	120	4.04	39	75-125	2	20
Arsenic	460		2.4	"	479	25.9	91	75-125	2	20
Barium	828		6	"	479	384	93	75-125	0.6	20
Beryllium	12.1		0.12	"	12.0	0.552	97	75-125	0.2	20
Cadmium	11.7		0.6	"	12.0	1.7	83	75-125	0.5	20
Chromium	70.7		1.2	"	47.9	36.4	72	75-125	2	20
Cobalt	118		2.4	"	120	11.4	89	75-125	0.2	20
Copper	179		4.8	"	59.9	133	77	75-125	43	20
Lead	328		3.6	"	120	259	58	75-125	4	20
Molybdenum	108		6	"	120	3.53	87	75-125	3	20
Nickel	137		6	"	120	32.4	87	75-125	1	20
Selenium	427		2.4	"	479	ND	89	75-125	1	20



United States Environmental Protection Agency

Region 9 Laboratory

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 Phone:(510) 412-2300 Fax:(510) 412-2302

Project Manager: Cameron McDonald	RCRA Enforcement Office	SDG: DRAFT 11090B
Project Number: R11R03	75 Hawthorne Street	Reported: 04/13/11 12:47
Project: Western Environmental, Inc. 2011 RCRA Inspection	San Francisco CA, 94105	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch B1D0006 - 3050B Sld Acid Dig - Metals by 6010

Prepared: 04/04/11 Analyzed: 04/12/11

DRAFT: Metals by EPA 6000/7000 Series Methods - Quality Control

Matrix Spike Dup (B1D0006-MSD1)

Source: 1103076-05

Silver	12.2			1.2 "	12.0	0.72	96	75-125	0.7	20
Thallium	400			6 "	479	ND	84	75-125	1	20
Vanadium	165			2.4 "	120	50.6	96	75-125	2	20
Zinc	653	Q10		9.7 "	120	630	19	75-125	4	20

Matrix Spike Dup (B1D0006-MSD2)

Source: 1103076-10

Antimony	58.1			2.3 mg/kg dry	116	3.85	47	75-125	39	20
Arsenic	442			2.3 "	465	21.2	90	75-125	4	20
Barium	832			5.8 "	465	384	96	75-125	91	20
Beryllium	11.8			0.12 "	11.6	0.503	97	75-125	4	20
Cadmium	11.7			0.58 "	11.6	2.28	81	75-125	1	20
Chromium	72.8			1.2 "	46.5	33.4	85	75-125	4	20
Cobalt	118			2.3 "	116	12	91	75-125	5	20
Copper	181			4.7 "	58.1	131	86	75-125	10	20
Lead	369			3.5 "	116	240	111	75-125	4	20
Molybdenum	103			5.8 "	116	3.72	85	75-125	3	20
Nickel	138			5.8 "	116	46.7	78	75-125	1	20
Selenium	405			2.3 "	465	ND	87	75-125	4	20
Silver	11.9			1.2 "	11.6	0.674	97	75-125	4	20
Thallium	388			5.8 "	465	ND	83	75-125	3	20
Vanadium	168			2.3 "	116	54.9	98	75-125	3	20
Zinc	709	Q10		9.3 "	116	752	NR	75-125	36	20

Reference (B1D0006-SRM1)

Antimony	54.2			2 mg/kg wet	66.0		82	.182-157.57		
Arsenic	236			2 "	253		93	.087-139.13		
Barium	ND	U		5 "	1.60			62.5-137.5		
Beryllium	4.5			0.1 "	4.90		92	.224-138.77		
Cadmium	9.41			0.5 "	10.9		86	.642-128.44		
Chromium	25.3			1 "	27.1		93	.266-131.73		
Cobalt	33.6			2 "	37.4		90	.471-135.294		
Copper	1,420			4 "	1770		80	.576-125.98		
Lead	51.4			3 "	56.9		90	.759-127.24		
Nickel	14.1			5 "	16.3		86	.5215-145.4		
Selenium	11.9			2 "	10.0		119	41-159		
Silver	5.24			1 "	5.90		89	.763-154.24		
Thallium	6.89			5 "	9.50		73	.526-169.47		
Vanadium	16.3			2 "	17.6		93	.909-134.66		
Zinc	42.1			8 "	47.5		89	.158-156.63		

Reference (B1D0006-SRM2)

Antimony	57.9			2 mg/kg wet	66.0		88	.182-157.57		
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United States Environmental Protection Agency

Region 9 Laboratory

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Project Manager: Cameron McDonald	RCRA Enforcement Office	SDG: DRAFT 11090B
Project Number: R11R03	75 Hawthorne Street	Reported: 04/13/11 12:47
Project: Western Environmental, Inc. 2011 RCRA Inspection	San Francisco CA, 94105	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch B1D0006 - 3050B Sld Acid Dig - Metals by 6010

Prepared: 04/04/11 Analyzed: 04/12/11

DRAFT: Metals by EPA 6000/7000 Series Methods - Quality Control

Reference (B1D0006-SRM2)

Arsenic	251			2 "	253		99	0.87-139.13		
Barium	ND	U		5 "	1.60			62.5-137.5		
Beryllium	4.73			0.1 "	4.90		97	.224-138.77		
Cadmium	9.83			0.5 "	10.9		90	1.642-128.44		
Chromium	26.1			1 "	27.1		96	1.266-131.73		
Cobalt	35.3			2 "	37.4		94	471-135.294		
Copper	1,510			4 "	1770		85	1.576-125.98		
Lead	54.2			3 "	56.9		95	1.759-127.24		
Nickel	14.8			5 "	16.3		91	5.215-145.4		
Selenium	13.7			2 "	10.0		137	41-159		
Silver	5.85			1 "	5.90		99	1.763-154.24		
Thallium	7.93			5 "	9.50		83	1.526-169.47		
Vanadium	17.8			2 "	17.6		101	1.909-134.66		
Zinc	47.1			8 "	47.5		99	1.158-156.63		

Batch B1D0045 - Solids, Dry Weight (Prep) - Solids, Dry Weight

Prepared: 02/21/11 Analyzed: 04/11/11

DRAFT: Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

Blank (B1D0045-BLK1)

% Solids	ND	U		1 %						
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Blank (B1D0045-BLK2)

% Solids	ND	U		1 %						
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Duplicate (B1D0045-DUP1)

Source: 1103076-06

% Solids	83			1 %		83			0.3	20
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Duplicate (B1D0045-DUP2)

Source: 1103076-19

% 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**RCRA Enforcement Office****SDG:** DRAFT 11090B**Project Number:** R11R03**75 Hawthorne Street****Reported:** 04/13/11 12:47**Project:** Western Environmental, Inc. 2011 RCRA
Inspection**San Francisco CA, 94105****Qualifiers and Comments**

- 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)
- Q10 The analyte concentration in the unfortified sample is significantly greater than the concentration spiked into the matrix spike and matrix spike duplicate. The reported spike recovery is not a meaningful measure of the dataset's analytical accuracy.
- 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.