ANALYTICAL REPORT

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Laboratory Job ID: 440-257335-2
Client Project/Site: ACMS - BP Yerington OU-4b_OU-5 Soil
Revision: 1

For:
Wood E&I Solutions Inc
10940 White Rock Road Suite 190
Rancho Cordova, California 95670

Attn: Lynda Lombardi

Authorized for release by:
2/13/2020 3:44:11 PM

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

The results listed within this Laboratory Report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the BPLAMP Technical Specifications, applicable federal, state, local regulations and certification requirements as well as the methodologies as described in laboratory SOPs reviewed by the BPLAMP. This Laboratory Report is confidential and is intended for the sole use of Eurofins TestAmerica and its client. This report shall not be reproduced, except in full, without written permission from TestAmerica. The signature on the cover page extends to the case narrative and all the data and forms in the package. The Chain of Custody is included and is an integral part of this report.

Christian Bondoc
Project Manager I
2/13/2020 3:44:11 PM

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Definitions/Glossary

Client: Wood E&I Solutions Inc
Job ID: 440-257335-2
Project/Site: ACMS - BP Yerington OU-4b_OU-5 Soil

Qualifiers

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 440-257335-2

Laboratory: Eurofins Calscience Irvine

Narrative

Job Narrative
440-257335-2

Comments
Revised to include missing 6010 results.

Receipt
The samples were received on 12/13/2019 10:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.0º C.

Metals
Method 6020: The method blank for preparation batch 440-586394 and analytical batch 440-586551 contained Chromium above the method detection limit. This target analyte concentration was less than half the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: Wood E&I Solutions Inc
Project/Site: ACMS - BP Yerington OU-4b_OU-5 Soil

Job ID: 440-257335-2

Client Sample ID: EB04 — Lab Sample ID: 440-257335-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	0.057	J	0.10	0.050	mg/L	1		6010B	Total Recoverable
Calcium	0.070	J	0.10	0.050	mg/L	1		6010B	Total Recoverable
Iron	0.094	J	0.10	0.050	mg/L	1		6010B	Total Recoverable
Magnesium	0.070		0.020	0.010	mg/L	1		6010B	Total Recoverable
Titanium	0.0071		0.0050	0.0025	mg/L	1		6010B	Total Recoverable
Barium	0.79	J	1.0	0.50	ug/L	1		6020	Total Recoverable
Chromium	2.7	B	2.0	0.50	ug/L	1		6020	Total Recoverable
Copper	5.8		2.0	0.50	ug/L	1		6020	Total Recoverable
Manganese	3.1		1.0	0.50	ug/L	1		6020	Total Recoverable
Nickel	1.1	J	2.0	0.50	ug/L	1		6020	Total Recoverable
Zinc	4.9	J	20	2.5	ug/L	1		6020	Total Recoverable

Client Sample ID: FB04 — Lab Sample ID: 440-257335-23

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Magnesium	0.014	J	0.020	0.010	mg/L	1		6010B	Total Recoverable
Chromium	1.5	J B	2.0	0.50	ug/L	1		6020	Total Recoverable
Nickel	0.95	J	2.0	0.50	ug/L	1		6020	Total Recoverable
Zinc	9.5	J	20	2.5	ug/L	1		6020	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: Wood E&I Solutions Inc
Project/Site: ACMS - BP Yerington OU-4b_OU-5 Soil

Job ID: 440-257335-2

Client Sample ID: EB04

Lab Sample ID: 440-257335-9
Date Collected: 12/10/19 08:18
Matrix: Water
Date Received: 12/13/19 10:00

Method: 6010B - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.057**	**J**	0.10	0.050	mg/L		12/17/19 09:43	12/18/19 13:49	1
Boron	ND		50	25	ug/L		12/17/19 09:43	12/18/19 13:49	1
Calcium	**0.070**	**J**	0.10	0.050	mg/L		12/30/19 12:32	12/31/19 15:18	1
Iron	**0.094**	**J**	0.10	0.050	mg/L		12/30/19 12:32	12/31/19 15:18	1
Lithium	ND		500	25	ug/L		12/17/19 09:43	12/18/19 13:49	1
Magnesium	**0.070**		0.020	0.010	mg/L		12/17/19 09:43	12/18/19 13:49	1
Phosphorus	ND		0.20	0.10	mg/L		12/17/19 09:43	12/18/19 13:49	1
Potassium	ND		0.50	0.25	mg/L		12/17/19 09:43	12/18/19 13:49	1
Sodium	ND		0.50	0.26	mg/L		12/17/19 09:43	12/18/19 13:49	1
Strontium	ND		0.020	0.010	mg/L		12/17/19 09:43	12/18/19 13:49	1
Tin	ND		0.10	0.050	mg/L		12/17/19 09:43	12/18/19 13:49	1
Titanium	**0.0071**		0.0050	0.0025	mg/L		12/17/19 09:43	12/18/19 13:49	1

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thorium	ND		2.0	0.90	ug/L		01/24/20 14:18	01/28/20 18:51	2

Method: 6020 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		2.0	0.50	ug/L		12/17/19 09:48	12/17/19 19:07	1
Arsenic	ND		1.0	0.50	ug/L		12/17/19 09:48	12/17/19 19:07	1
Barium	**0.79**	**J**	1.0	0.50	ug/L		12/17/19 09:48	12/17/19 19:07	1
Beryllium	ND		0.50	0.25	ug/L		12/17/19 09:48	12/17/19 19:07	1
Cadmium	ND		1.0	0.25	ug/L		12/17/19 09:48	12/17/19 19:07	1
Chromium	**2.7**	**B**	2.0	0.50	ug/L		12/17/19 09:48	12/17/19 19:07	1
Cobalt	ND		1.0	0.50	ug/L		12/17/19 09:48	12/17/19 19:07	1
Copper	**5.8**		2.0	0.50	ug/L		12/17/19 09:48	12/17/19 19:07	1
Lead	ND		1.0	0.50	ug/L		12/17/19 09:48	12/17/19 19:07	1
Manganese	**3.1**		1.0	0.50	ug/L		12/17/19 09:48	12/17/19 19:07	1
Molybdenum	ND		2.0	0.50	ug/L		12/17/19 09:48	12/17/19 19:07	1
Nickel	**1.1**	**J**	2.0	0.50	ug/L		12/17/19 09:48	12/17/19 19:07	1
Selenium	ND		2.0	0.50	ug/L		12/17/19 09:48	12/17/19 19:07	1
Silver	ND		1.0	0.50	ug/L		12/17/19 09:48	12/17/19 19:07	1
Thallium	ND		1.0	0.20	ug/L		12/17/19 09:48	12/17/19 19:07	1
Uranium	ND		1.0	0.50	ug/L		12/17/19 09:48	12/17/19 19:07	1
Vanadium	ND		2.0	1.0	ug/L		12/17/19 09:48	12/17/19 19:07	1
Zinc	**4.9**	**J**	20	2.5	ug/L		12/17/19 09:48	12/17/19 19:07	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00010	mg/L		12/16/19 14:11	12/17/19 09:37	1

Client Sample ID: FB04

Lab Sample ID: 440-257335-23
Date Collected: 12/10/19 12:10
Matrix: Water
Date Received: 12/13/19 10:00

Method: 6010B - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.10	0.050	mg/L		12/17/19 09:43	12/18/19 13:51	1
Boron	ND		50	25	ug/L		12/17/19 09:43	12/18/19 13:51	1
Calcium	ND		0.10	0.050	mg/L		12/30/19 12:32	12/31/19 15:20	1

Client Sample Results

Client: Wood E&I Solutions Inc
Project/Site: ACMS - BP Yerington OU-4b_OU-5 Soil

Job ID: 440-257335-2

Client Sample ID: FB04

Date Collected: 12/10/19 12:10
Date Received: 12/13/19 10:00

Lab Sample ID: 440-257335-23

Matrix: Water

Method: 6010B - Metals (ICP) - Total Recoverable (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.10	0.050	mg/L		12/30/19 12:32	12/31/19 15:20	1
Lithium	ND		500	25	ug/L		12/17/19 09:43	12/18/19 13:51	1
Magnesium	**0.014**	**J**	0.020	0.010	mg/L		12/17/19 09:43	12/18/19 13:51	1
Phosphorus	ND		0.20	0.10	mg/L		12/17/19 09:43	12/18/19 13:51	1
Potassium	ND		0.50	0.25	mg/L		12/17/19 09:43	12/18/19 13:51	1
Sodium	ND		0.50	0.26	mg/L		12/17/19 09:43	12/18/19 13:51	1
Strontium	ND		0.020	0.010	mg/L		12/17/19 09:43	12/18/19 13:51	1
Tin	ND		0.10	0.050	mg/L		12/17/19 09:43	12/18/19 13:51	1
Titanium	ND		0.0050	0.0025	mg/L		12/17/19 09:43	12/18/19 13:51	1

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thorium	ND		2.0	0.90	ug/L		01/24/20 14:18	01/28/20 18:57	2

Method: 6020 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		2.0	0.50	ug/L		12/17/19 09:48	12/17/19 19:09	1
Arsenic	ND		1.0	0.50	ug/L		12/17/19 09:48	12/17/19 19:09	1
Barium	ND		1.0	0.50	ug/L		12/17/19 09:48	12/17/19 19:09	1
Beryllium	ND		0.50	0.25	ug/L		12/17/19 09:48	12/17/19 19:09	1
Cadmium	ND		1.0	0.25	ug/L		12/17/19 09:48	12/17/19 19:09	1
Chromium	**1.5**	**J B**	2.0	0.50	ug/L		12/17/19 09:48	12/17/19 19:09	1
Cobalt	ND		1.0	0.50	ug/L		12/17/19 09:48	12/17/19 19:09	1
Copper	ND		2.0	0.50	ug/L		12/17/19 09:48	12/17/19 19:09	1
Lead	ND		1.0	0.50	ug/L		12/17/19 09:48	12/17/19 19:09	1
Manganese	ND		1.0	0.50	ug/L		12/17/19 09:48	12/17/19 19:09	1
Molybdenum	ND		2.0	0.50	ug/L		12/17/19 09:48	12/17/19 19:09	1
Nickel	**0.95**	**J**	2.0	0.50	ug/L		12/17/19 09:48	12/17/19 19:09	1
Selenium	ND		2.0	0.50	ug/L		12/17/19 09:48	12/17/19 19:09	1
Silver	ND		1.0	0.50	ug/L		12/17/19 09:48	12/17/19 19:09	1
Thallium	ND		1.0	0.20	ug/L		12/17/19 09:48	12/17/19 19:09	1
Uranium	ND		1.0	0.50	ug/L		12/17/19 09:48	12/17/19 19:09	1
Vanadium	ND		2.0	1.0	ug/L		12/17/19 09:48	12/17/19 19:09	1
Zinc	**9.5**	**J**	20	2.5	ug/L		12/17/19 09:48	12/17/19 19:09	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00010	mg/L		12/16/19 14:11	12/17/19 09:39	1

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 440-586393/1-A
Matrix: Water
Analysis Batch: 586742

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 586393

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.10	0.050	mg/L		12/17/19 09:43	12/18/19 13:35	1
Boron	ND		50	25	ug/L		12/17/19 09:43	12/18/19 13:35	1
Lithium	ND		500	25	ug/L		12/17/19 09:43	12/18/19 13:35	1
Magnesium	ND		0.020	0.010	mg/L		12/17/19 09:43	12/18/19 13:35	1
Phosphorus	ND		0.20	0.10	mg/L		12/17/19 09:43	12/18/19 13:35	1
Potassium	ND		0.50	0.25	mg/L		12/17/19 09:43	12/18/19 13:35	1
Sodium	ND		0.50	0.26	mg/L		12/17/19 09:43	12/18/19 13:35	1
Strontium	ND		0.020	0.010	mg/L		12/17/19 09:43	12/18/19 13:35	1
Tin	ND		0.10	0.050	mg/L		12/17/19 09:43	12/18/19 13:35	1
Titanium	ND		0.0050	0.0025	mg/L		12/17/19 09:43	12/18/19 13:35	1

Lab Sample ID: LCS 440-586393/2-A
Matrix: Water
Analysis Batch: 586742

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 586393

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	1.00	1.00		mg/L		100	80 - 120
Boron	1000	974		ug/L		97	80 - 120
Lithium	1000	992		ug/L		99	80 - 120
Magnesium	5.00	4.85		mg/L		97	80 - 120
Phosphorus	1.00	0.968		mg/L		97	80 - 120
Potassium	10.0	9.80		mg/L		98	80 - 120
Sodium	10.0	9.85		mg/L		99	80 - 120
Strontium	1.00	0.988		mg/L		99	80 - 120
Tin	1.00	0.972		mg/L		97	80 - 120
Titanium	1.00	0.986		mg/L		99	80 - 120

Lab Sample ID: 440-257429-V-1-B MS
Matrix: Water
Analysis Batch: 586742

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 586393

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	0.12		1.00	1.16		mg/L		104	75 - 125
Boron	150		1000	1190		ug/L		104	75 - 125
Lithium	ND		1000	1010		ug/L		101	75 - 125
Magnesium	34		5.00	39.3	4	mg/L		112	75 - 125
Phosphorus	ND		1.00	1.06		mg/L		106	75 - 125
Potassium	6.1		10.0	16.4		mg/L		102	75 - 125
Sodium	95		10.0	106	4	mg/L		110	75 - 125
Strontium	1.4		1.00	2.45		mg/L		101	75 - 125
Tin	ND		1.00	0.984		mg/L		98	75 - 125
Titanium	ND		1.00	1.02		mg/L		102	75 - 125

Lab Sample ID: 440-257429-V-1-C MSD
Matrix: Water
Analysis Batch: 586742

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 586393

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aluminum	0.12		1.00	1.12		mg/L		100	75 - 125	3	20

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: 440-257429-V-1-C MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 586742 — **Prep Batch: 586393**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Boron	150		1000	1140		ug/L		99	75 - 125	4	20
Lithium	ND		1000	971		ug/L		97	75 - 125	4	20
Magnesium	34		5.00	36.7	4	mg/L		60	75 - 125	7	20
Phosphorus	ND		1.00	1.02		mg/L		102	75 - 125	4	20
Potassium	6.1		10.0	15.6		mg/L		94	75 - 125	5	20
Sodium	95		10.0	99.1	4	mg/L		44	75 - 125	6	20
Strontium	1.4		1.00	2.32		mg/L		88	75 - 125	5	20
Tin	ND		1.00	0.965		mg/L		97	75 - 125	2	20
Titanium	ND		1.00	1.00		mg/L		100	75 - 125	2	20

Lab Sample ID: MB 440-588518/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 588773 — **Prep Batch: 588518**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	ND		0.10	0.050	mg/L		12/30/19 12:32	12/31/19 15:16	1
Iron	ND		0.10	0.050	mg/L		12/30/19 12:32	12/31/19 15:16	1

Lab Sample ID: LCS 440-588518/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 588773 — **Prep Batch: 588518**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Calcium	5.00	5.03		mg/L		101	80 - 120
Iron	1.00	1.06		mg/L		106	80 - 120

Lab Sample ID: 440-257870-M-1-C MS — **Client Sample ID: Matrix Spike**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 588773 — **Prep Batch: 588518**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Calcium	73		5.00	78.9	4	mg/L		117	75 - 125
Iron	2.5		1.00	3.60		mg/L		105	75 - 125

Lab Sample ID: 440-257870-M-1-D MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 588773 — **Prep Batch: 588518**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Calcium	73		5.00	78.3	4	mg/L		104	75 - 125	1	20
Iron	2.5		1.00	3.56		mg/L		101	75 - 125	1	20

Method: 6020 - Metals (ICP/MS)

Lab Sample ID: MB 440-586394/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 586551 — **Prep Batch: 586394**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		2.0	0.50	ug/L		12/17/19 09:48	12/17/19 19:02	1

Method: 6020 - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 440-586394/1-A
Matrix: Water
Analysis Batch: 586551

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 586394

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		1.0	0.50	ug/L		12/17/19 09:48	12/17/19 19:02	1
Barium	ND		1.0	0.50	ug/L		12/17/19 09:48	12/17/19 19:02	1
Beryllium	ND		0.50	0.25	ug/L		12/17/19 09:48	12/17/19 19:02	1
Cadmium	ND		1.0	0.25	ug/L		12/17/19 09:48	12/17/19 19:02	1
Chromium	0.655	J	2.0	0.50	ug/L		12/17/19 09:48	12/17/19 19:02	1
Cobalt	ND		1.0	0.50	ug/L		12/17/19 09:48	12/17/19 19:02	1
Copper	ND		2.0	0.50	ug/L		12/17/19 09:48	12/17/19 19:02	1
Lead	ND		1.0	0.50	ug/L		12/17/19 09:48	12/17/19 19:02	1
Manganese	ND		1.0	0.50	ug/L		12/17/19 09:48	12/17/19 19:02	1
Molybdenum	ND		2.0	0.50	ug/L		12/17/19 09:48	12/17/19 19:02	1
Nickel	ND		2.0	0.50	ug/L		12/17/19 09:48	12/17/19 19:02	1
Selenium	ND		2.0	0.50	ug/L		12/17/19 09:48	12/17/19 19:02	1
Silver	ND		1.0	0.50	ug/L		12/17/19 09:48	12/17/19 19:02	1
Thallium	ND		1.0	0.20	ug/L		12/17/19 09:48	12/17/19 19:02	1
Uranium	ND		1.0	0.50	ug/L		12/17/19 09:48	12/17/19 19:02	1
Vanadium	ND		2.0	1.0	ug/L		12/17/19 09:48	12/17/19 19:02	1
Zinc	ND		20	2.5	ug/L		12/17/19 09:48	12/17/19 19:02	1

Lab Sample ID: LCS 440-586394/2-A
Matrix: Water
Analysis Batch: 586551

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 586394

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	80.0	83.0		ug/L		104	80 - 120
Arsenic	80.0	75.9		ug/L		95	80 - 120
Barium	80.0	75.5		ug/L		94	80 - 120
Beryllium	80.0	72.9		ug/L		91	80 - 120
Cadmium	80.0	75.0		ug/L		94	80 - 120
Chromium	80.0	75.5		ug/L		94	80 - 120
Cobalt	80.0	73.5		ug/L		92	80 - 120
Copper	80.0	72.3		ug/L		90	80 - 120
Lead	80.0	74.0		ug/L		92	80 - 120
Manganese	80.0	74.2		ug/L		93	80 - 120
Molybdenum	80.0	77.5		ug/L		97	80 - 120
Nickel	80.0	73.8		ug/L		92	80 - 120
Selenium	80.0	76.3		ug/L		95	80 - 120
Silver	80.0	75.3		ug/L		94	80 - 120
Thallium	80.0	75.0		ug/L		94	80 - 120
Uranium	80.0	75.1		ug/L		94	80 - 120
Vanadium	80.0	74.5		ug/L		93	80 - 120
Zinc	80.0	77.5		ug/L		97	80 - 120

Lab Sample ID: 440-257429-V-2-C MS
Matrix: Water
Analysis Batch: 586551

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 586394

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	ND		80.0	86.1		ug/L		108	75 - 125
Arsenic	5.0		80.0	83.6		ug/L		98	75 - 125

Method: 6020 - Metals (ICP/MS) (Continued)

Lab Sample ID: 440-257429-V-2-C MS
Matrix: Water
Analysis Batch: 586551

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 586394

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Barium	68		80.0	149		ug/L		101	75 - 125
Beryllium	ND		80.0	72.3		ug/L		90	75 - 125
Cadmium	ND		80.0	74.8		ug/L		93	75 - 125
Chromium	1.6	J B	80.0	76.4		ug/L		94	75 - 125
Cobalt	ND		80.0	72.4		ug/L		91	75 - 125
Copper	0.52	J	80.0	70.8		ug/L		88	75 - 125
Lead	ND		80.0	72.5		ug/L		91	75 - 125
Manganese	220		80.0	297		ug/L		98	75 - 125
Molybdenum	2.4		80.0	83.2		ug/L		101	75 - 125
Nickel	1.7	J	80.0	72.4		ug/L		88	75 - 125
Selenium	ND		80.0	75.1		ug/L		94	75 - 125
Silver	ND		80.0	74.6		ug/L		93	75 - 125
Thallium	ND		80.0	73.6		ug/L		92	75 - 125
Uranium	2.7		80.0	79.3		ug/L		96	75 - 125
Vanadium	ND		80.0	76.5		ug/L		96	75 - 125
Zinc	9.3	J	80.0	80.0		ug/L		88	75 - 125

Lab Sample ID: 440-257429-V-2-D MSD
Matrix: Water
Analysis Batch: 586551

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 586394

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	ND		80.0	82.8		ug/L		104	75 - 125	4	20
Arsenic	5.0		80.0	79.5		ug/L		93	75 - 125	5	20
Barium	68		80.0	143		ug/L		94	75 - 125	4	20
Beryllium	ND		80.0	69.0		ug/L		86	75 - 125	5	20
Cadmium	ND		80.0	71.7		ug/L		90	75 - 125	4	20
Chromium	1.6	J B	80.0	72.5		ug/L		89	75 - 125	5	20
Cobalt	ND		80.0	69.0		ug/L		86	75 - 125	5	20
Copper	0.52	J	80.0	67.5		ug/L		84	75 - 125	5	20
Lead	ND		80.0	69.7		ug/L		87	75 - 125	4	20
Manganese	220		80.0	310		ug/L		115	75 - 125	4	20
Molybdenum	2.4		80.0	79.9		ug/L		97	75 - 125	4	20
Nickel	1.7	J	80.0	69.0		ug/L		84	75 - 125	5	20
Selenium	ND		80.0	72.2		ug/L		90	75 - 125	4	20
Silver	ND		80.0	71.8		ug/L		90	75 - 125	4	20
Thallium	ND		80.0	70.0		ug/L		88	75 - 125	5	20
Uranium	2.7		80.0	76.0		ug/L		92	75 - 125	4	20
Vanadium	ND		80.0	73.2		ug/L		91	75 - 125	4	20
Zinc	9.3	J	80.0	75.3		ug/L		82	75 - 125	6	20

Method: 6020A - Metals (ICP/MS)

Lab Sample ID: MB 160-458034/1-A
Matrix: Water
Analysis Batch: 458483

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 458034

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thorium	ND		2.0	0.90	ug/L		01/24/20 14:18	01/28/20 17:17	2

Method: 6020A - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 160-458034/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 458483 — **Prep Batch: 458034**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Thorium	1000	963		ug/L		96	80 - 120

Lab Sample ID: 440-256946-A-4-F MS — **Client Sample ID: Matrix Spike**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 458483 — **Prep Batch: 458034**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Thorium	ND		1000	955		ug/L		95	75 - 125

Lab Sample ID: 440-256946-A-4-G MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 458483 — **Prep Batch: 458034**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Thorium	ND		1000	968		ug/L		97	75 - 125	1	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 440-586204/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 586490 — **Prep Batch: 586204**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00010	mg/L		12/16/19 14:11	12/17/19 09:22	1

Lab Sample ID: LCS 440-586204/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 586490 — **Prep Batch: 586204**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00400	0.00427		mg/L		107	80 - 120

Lab Sample ID: 440-257030-A-1-C MS — **Client Sample ID: Matrix Spike**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 586490 — **Prep Batch: 586204**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.0027		0.00400	0.00665		mg/L		98	75 - 125

Lab Sample ID: 440-257030-A-1-D MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 586490 — **Prep Batch: 586204**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.0027		0.00400	0.00669		mg/L		99	75 - 125	1	20

QC Association Summary

Client: Wood E&I Solutions Inc
Project/Site: ACMS - BP Yerington OU-4b_OU-5 Soil

Job ID: 440-257335-2

Metals

Prep Batch: 458034

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-257335-9	EB04	Total/NA	Water	3010A	
440-257335-23	FB04	Total/NA	Water	3010A	
MB 160-458034/1-A	Method Blank	Total/NA	Water	3010A	
LCS 160-458034/2-A	Lab Control Sample	Total/NA	Water	3010A	
440-256946-A-4-F MS	Matrix Spike	Total/NA	Water	3010A	
440-256946-A-4-G MSD	Matrix Spike Duplicate	Total/NA	Water	3010A	

Analysis Batch: 458483

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-257335-9	EB04	Total/NA	Water	6020A	458034
440-257335-23	FB04	Total/NA	Water	6020A	458034
MB 160-458034/1-A	Method Blank	Total/NA	Water	6020A	458034
LCS 160-458034/2-A	Lab Control Sample	Total/NA	Water	6020A	458034
440-256946-A-4-F MS	Matrix Spike	Total/NA	Water	6020A	458034
440-256946-A-4-G MSD	Matrix Spike Duplicate	Total/NA	Water	6020A	458034

Prep Batch: 586204

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-257335-9	EB04	Total/NA	Water	7470A	
440-257335-23	FB04	Total/NA	Water	7470A	
MB 440-586204/1-A	Method Blank	Total/NA	Water	7470A	
LCS 440-586204/2-A	Lab Control Sample	Total/NA	Water	7470A	
440-257030-A-1-C MS	Matrix Spike	Total/NA	Water	7470A	
440-257030-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	

Prep Batch: 586393

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-257335-9	EB04	Total Recoverable	Water	3005A	
440-257335-23	FB04	Total Recoverable	Water	3005A	
MB 440-586393/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 440-586393/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
440-257429-V-1-B MS	Matrix Spike	Total Recoverable	Water	3005A	
440-257429-V-1-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

Prep Batch: 586394

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-257335-9	EB04	Total Recoverable	Water	3005A	
440-257335-23	FB04	Total Recoverable	Water	3005A	
MB 440-586394/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 440-586394/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
440-257429-V-2-C MS	Matrix Spike	Total Recoverable	Water	3005A	
440-257429-V-2-D MSD	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

Analysis Batch: 586490

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-257335-9	EB04	Total/NA	Water	7470A	586204
440-257335-23	FB04	Total/NA	Water	7470A	586204
MB 440-586204/1-A	Method Blank	Total/NA	Water	7470A	586204
LCS 440-586204/2-A	Lab Control Sample	Total/NA	Water	7470A	586204
440-257030-A-1-C MS	Matrix Spike	Total/NA	Water	7470A	586204
440-257030-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	586204

QC Association Summary

Client: Wood E&I Solutions Inc
Project/Site: ACMS - BP Yerington OU-4b_OU-5 Soil

Job ID: 440-257335-2

Metals

Analysis Batch: 586551

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-257335-9	EB04	Total Recoverable	Water	6020	586394
440-257335-23	FB04	Total Recoverable	Water	6020	586394
MB 440-586394/1-A	Method Blank	Total Recoverable	Water	6020	586394
LCS 440-586394/2-A	Lab Control Sample	Total Recoverable	Water	6020	586394
440-257429-V-2-C MS	Matrix Spike	Total Recoverable	Water	6020	586394
440-257429-V-2-D MSD	Matrix Spike Duplicate	Total Recoverable	Water	6020	586394

Analysis Batch: 586742

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-257335-9	EB04	Total Recoverable	Water	6010B	586393
440-257335-23	FB04	Total Recoverable	Water	6010B	586393
MB 440-586393/1-A	Method Blank	Total Recoverable	Water	6010B	586393
LCS 440-586393/2-A	Lab Control Sample	Total Recoverable	Water	6010B	586393
440-257429-V-1-B MS	Matrix Spike	Total Recoverable	Water	6010B	586393
440-257429-V-1-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	6010B	586393

Prep Batch: 588518

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-257335-9	EB04	Total Recoverable	Water	3005A	
440-257335-23	FB04	Total Recoverable	Water	3005A	
MB 440-588518/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 440-588518/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
440-257870-M-1-C MS	Matrix Spike	Total Recoverable	Water	3005A	
440-257870-M-1-D MSD	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

Analysis Batch: 588773

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-257335-9	EB04	Total Recoverable	Water	6010B	588518
440-257335-23	FB04	Total Recoverable	Water	6010B	588518
MB 440-588518/1-A	Method Blank	Total Recoverable	Water	6010B	588518
LCS 440-588518/2-A	Lab Control Sample	Total Recoverable	Water	6010B	588518
440-257870-M-1-C MS	Matrix Spike	Total Recoverable	Water	6010B	588518
440-257870-M-1-D MSD	Matrix Spike Duplicate	Total Recoverable	Water	6010B	588518

Lab Chronicle

Client: Wood E&I Solutions Inc
Project/Site: ACMS - BP Yerington OU-4b_OU-5 Soil

Job ID: 440-257335-2

Client Sample ID: EB04

Lab Sample ID: 440-257335-9
Date Collected: 12/10/19 08:18
Matrix: Water
Date Received: 12/13/19 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			586393	12/17/19 09:43	EP	TAL IRV
Total Recoverable	Analysis	6010B		1	586742	12/18/19 13:49	VS	TAL IRV
Total Recoverable	Prep	3005A			588518	12/30/19 12:32	M1G	TAL IRV
Total Recoverable	Analysis	6010B		1	588773	12/31/19 15:18	TQN	TAL IRV
Total Recoverable	Prep	3005A			586394	12/17/19 09:48	EP	TAL IRV
Total Recoverable	Analysis	6020		1	586551	12/17/19 19:07	P1R	TAL IRV
Total/NA	Prep	3010A			458034	01/24/20 14:18	LAM	TAL SL
Total/NA	Analysis	6020A		2	458483	01/28/20 18:51	LKP	TAL SL
Total/NA	Prep	7470A			586204	12/16/19 14:11	MEM	TAL IRV
Total/NA	Analysis	7470A		1	586490	12/17/19 09:37	MEM	TAL IRV

Client Sample ID: FB04

Lab Sample ID: 440-257335-23
Date Collected: 12/10/19 12:10
Matrix: Water
Date Received: 12/13/19 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			586393	12/17/19 09:43	EP	TAL IRV
Total Recoverable	Analysis	6010B		1	586742	12/18/19 13:51	VS	TAL IRV
Total Recoverable	Prep	3005A			588518	12/30/19 12:32	M1G	TAL IRV
Total Recoverable	Analysis	6010B		1	588773	12/31/19 15:20	TQN	TAL IRV
Total Recoverable	Prep	3005A			586394	12/17/19 09:48	EP	TAL IRV
Total Recoverable	Analysis	6020		1	586551	12/17/19 19:09	P1R	TAL IRV
Total/NA	Prep	3010A			458034	01/24/20 14:18	LAM	TAL SL
Total/NA	Analysis	6020A		2	458483	01/28/20 18:57	LKP	TAL SL
Total/NA	Prep	7470A			586204	12/16/19 14:11	MEM	TAL IRV
Total/NA	Analysis	7470A		1	586490	12/17/19 09:39	MEM	TAL IRV

Laboratory References:

TAL IRV = Eurofins Calscience Irvine, 17461 Derian Ave, Suite 100, Irvine, CA 92614-5817, TEL (949)261-1022

TAL SL = Eurofins TestAmerica, St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Accreditation/Certification Summary

Client: Wood E&I Solutions Inc
Job ID: 440-257335-2
Project/Site: ACMS - BP Yerington OU-4b_OU-5 Soil

Laboratory: Eurofins Calscience Irvine

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Nevada	State Program	CA015312020-6	07-31-20

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
6010B	3005A	Water	Lithium
6010B	3005A	Water	Phosphorus

Laboratory: Eurofins TestAmerica, St. Louis

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Nevada	State Program	MO000542018-1	07-31-20

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte

Method Summary

Client: Wood E&I Solutions Inc
Project/Site: ACMS - BP Yerington OU-4b_OU-5 Soil

Job ID: 440-257335-2

Method	Method Description	Protocol	Laboratory
6010B	Metals (ICP)	SW846	TAL IRV
6020	Metals (ICP/MS)	SW846	TAL IRV
6020A	Metals (ICP/MS)	SW846	TAL SL
7470A	Mercury (CVAA)	SW846	TAL IRV
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	TAL IRV
3010A	Preparation, Total Metals	SW846	TAL SL
7470A	Preparation, Mercury	SW846	TAL IRV

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL IRV = Eurofins Calscience Irvine, 17461 Derian Ave, Suite 100, Irvine, CA 92614-5817, TEL (949)261-1022

TAL SL = Eurofins TestAmerica, St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Sample Summary

Client: Wood E&I Solutions Inc
Project/Site: ACMS - BP Yerington OU-4b_OU-5 Soil

Job ID: 440-257335-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
440-257335-9	EB04	Water	12/10/19 08:18	12/13/19 10:00	
440-257335-23	FB04	Water	12/10/19 12:10	12/13/19 10:00	

Atlantic Richfield Company
A BP affiliated company

Laboratory Management Program LaMP Chain of Custody Record

BP/ARC Site Node Path: NV_YERINGTON
Req Due Date (mm/dd/yy): STD TAT
Rush TAT: Yes ___ No X
BP/ARC Facility Name: Anaconda Copper Mine Site
Lab Work Order Number:

Lab Name:	TestAmerica, Inc.	BP/ARC Facility Address:	1 Austin Circle	Consultant/Contractor:	Wood - E&I Solutions, Inc.
Lab Address:	17461 Derian Ave, Suite #100 Irvine, CA 92614	City, State, ZIP Code:	Yerington, Nevada 89447	Consultant/Contractor Project No:	SA18170340.005.055B
Lab PM:	Christian Bondoc	Lead Regulatory Agency:	NDEP Abandoned Mine Lands Program	Address:	10940 White Rock Rd, Ste 190 Rancho Cordova, CA 95670
Lab Phone:	949-261-1022	California Global ID No.:		Consultant/Contractor PM:	Kent Parrish
Lab Shipping Accnt:	1103-6633-7 (TAL Acct #)	Enfos Proposal No: D019Q-0047	Work Release No: WR331232	Phone: 916-636-3200	Email: Kent.Parrish@woodplc.com
Lab Bottle Order No:	NA	Accounting Mode:	Provision X OOC-BU ___ OOC-RM ___	Email Report/EDD To:	lynda.lombardi@woodplc.com
Other Info:	OU-4b_OU-5_Soil	Stage: Appraise	Activity: Field Work/Remedial Investigation	Invoice To:	BP/ARC X Contractor ___
BP/ARC EBM:	Chuck Stilwell				
EBM Phone:	713-998-2443				
EBM Email:	Chuck.Stilwell@bp.com				

Report Type & QC Level: Standard X; Full Data Package ___

Lab No.	Sample Description	Date	Time	Soil / Solid	Water / Liquid	Air / Vapor	Total Number of Containers	Unpreserved	H_2SO_4	HNO_3	HCl	Metals[1] (SW 6010B/6020)	Mercury (SW7471B/7470A)	Thorium, Uranium (SW6020)	MS/MSD	Comments
	STSB04_0-0.5	12/09/19	1500	X			1	1				X	X			[1]Metals are. Al, B, Ca, Fe, K, Li, Mg,
	STSB04_0.5-3	12/09/19	1515	X			2	2				X	X		X	Na, P, Sr, Sn, Ti, by 6010B;
	STSB04_3-6	12/09/19	1530	X			1	1				X	X			As, Ba, Be, Cd, Cr, Co, Cu, Pb, Mn,
	STSB04_6-15	12/09/19	1539	X			1	1				X	X			Mo, Ni, Sb, Se, Ag, Tl, V, Zn by 6020
	STSB04_15-25	12/09/19	1604	X			1	1				X	X			
	STSB04-FD_15-25	12/09/19	1609	X			1	1				X	X			
	STSB04_25-35	12/10/19	0753	X			1	1				X	X			Report soil on dry weight basis.
	STSB04_35-45	12/10/19	0800	X			1	1				X	X			
	EB04	12/10/19	0818		X		1			1		X	X	X		
	STSB04_45-55	12/10/19	0822	X			1	1				X	X			

12/13/19 LD

440-257335 Chain of Custody

Sampler's Name: Bryce Johnson	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date / Time
Sampler's Company: Wood	[signature] / Wood	12/12/19			
Shipment Method: Fed Ex Ship Date: 12/12/19				Olger Ornelas	12/13/19 1000
Shipment Tracking No: 7772 2966 0350					

Special Instructions:

THIS LINE - LAB USE ONLY: Custody Seals In Place: Yes / No | Temp Blank: Yes / No | Cooler Temp on Receipt: 22/20 °F/C | Trip Blank Yes / No | MS/MSD Sample Submitted: Yes / No

IR 89. T#: 7772 2966 0350

BP/ARC LaMP COC Rev. 7, Jul 29, 2010

Atlantic Richfield Company
A BP affiliated company

Laboratory Management Program LaMP Chain of Custody Record

BP/ARC Site Node Path: NV_YERINGTON
Req Due Date (mm/dd/yy): STD TAT
Rush TAT: Yes ___ No X
BP/ARC Facility Name: Anaconda Copper Mine Site
Lab Work Order Number:

Lab Name:	TestAmerica, Inc.	BP/ARC Facility Address:	1 Austin Circle	Consultant/Contractor:	Wood - E&I Solutions, Inc.
Lab Address:	17461 Derian Ave, Suite #100 Irvine, CA 92614	City, State, ZIP Code:	Yerington, Nevada 89447	Consultant/Contractor Project No:	SA18170340.005 055B
Lab PM:	Christian Bondoc	Lead Regulatory Agency:	NDEP Abandoned Mine Lands Program	Address:	10940 White Rock Rd, Ste 190 Rancho Cordova, CA 95670
Lab Phone:	949-261-1022	California Global ID No.:		Consultant/Contractor PM:	Kent Parrish
Lab Shipping Accnt:	1103-6633-7 (TAL Acct #)	Enfos Proposal No: D019Q-0047	Work Release No: WR331232	Phone: 916-636-3200	Email: Kent.Parrish@woodplc.com
Lab Bottle Order No:	NA	Accounting Mode:	Provision X OOC-BU ___ OOC-RM ___	Email Report/EDD To:	lynda.lombardi@woodplc.com
Other Info:	OU-4b_OU-5_Soil	Stage: Appraise	Activity: Field Work/Remedial Investigation	Invoice To:	BP/ARC X Contractor ___

BP/ARC EBM: Chuck Stilwell
EBM Phone: 713-998-2443
EBM Email: Chuck.Stilwell@bp.com

Report Type & QC Level: Standard X; Full Data Package ___

Lab No.	Sample Description	Date	Time	Soil / Solid	Water / Liquid	Air / Vapor	Total Number of Containers	Unpreserved	H_2SO_4	HNO_3	HCl	Metals[1] (SW 6010B/6020)	Mercury (SW7471B/7470A)	Thorium, Uranium (SW6020)	MS/MSD	Comments
	STSB04_55-64	12/10/19	0834	X			1	1				X	X			[1]Metals are: Al, B, Ca, Fe, K, Li, Mg,
	STSB04_69-74	12/10/19	0848	X			1	1				X	X			Na, P, Sr, Sn, Ti, by 6010B;
	STSB04_79-84	12/10/19	0924	X			1	1				X	X			As, Ba, Be, Cd, Cr, Co, Cu, Pb, Mn,
	STSB03_0-0.5	12/10/19	1053	X			1	1				X	X			Mo, Ni, Sb, Se, Ag, Tl, V, Zn by 6020
	~~STSB03_0.5-3~~	~~12/10/19~~	~~1055~~ 1101	~~X~~			~~2~~	~~2~~				~~X~~	~~X~~	BJ 12/10/19	~~X~~	~~Sample time: 1101~~
	STSB03-FD_0-0.5	12/10/19	1055	X			1	1				X	X			
	STSB03_3-6	~~12/10/19~~ ~~1116~~	1116	X			1	1				X	X	BJ 12/10/19		Report soil on dry weight basis.
	STSB03_0.5-3	12/10/19	1101	X			1	1				X	X			
	STSB03_6-15	12/10/19	1122	X			1	1				X	X			
	STSB03_15-25	12/10/19	1130	X			1	1				X	X			

	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Name: Bryce Johnson						
Sampler's Company: Wood	[signature] / Wood	12/12/19				
Shipment Method: Fed Ex Ship Date: 12/12/19				Olga Cinelas	12/13/19	1000
Shipment Tracking No: 7772 2966 0350						

Special Instructions:

THIS LINE - LAB USE ONLY: Custody Seals In Place: Yes / No | Temp Blank: Yes / No | Cooler Temp on Receipt: 22/20 °F/C | Trip Blank: Yes / No | MS/MSD Sample Submitted: Yes / No

TP 89

BP/ARC LaMP COC Rev. 7, Jul 29, 2010

Atlantic Richfield Company
A BP affiliated company

Laboratory Management Program LaMP Chain of Custody Record

BP/ARC Site Node Path: NV_YERINGTON
Req Due Date (mm/dd/yy): STD TAT
Rush TAT: Yes ___ No X
BP/ARC Facility Name: Anaconda Copper Mine Site
Lab Work Order Number:

Lab Name:	TestAmerica, Inc.	BP/ARC Facility Address:	1 Austin Circle	Consultant/Contractor:	Wood - E&I Solutions, Inc.
Lab Address:	17461 Derian Ave, Suite #100 Irvine, CA 92614	City, State, ZIP Code:	Yerington, Nevada 89447	Consultant/Contractor Project No:	SA18170340.005.055B
Lab PM:	Christian Bondoc	Lead Regulatory Agency:	NDEP Abandoned Mine Lands Program	Address:	10940 White Rock Rd, Ste 190 Rancho Cordova, CA 95670
Lab Phone:	949-261-1022	California Global ID No.:		Consultant/Contractor PM:	Kent Parrish
Lab Shipping Accnt:	1103-6633-7 (TAL Acct #)	Enfos Proposal No: D019Q-0047	Work Release No: WR331232	Phone: 916-636-3200	Email: Kent.Parrish@woodplc.com
Lab Bottle Order No:	NA	Accounting Mode:	Provision X OOC-BU ___ OOC-RM ___	Email Report/EDD To:	lynda.lombardi@woodplc.com
Other Info:	OU-4b_OU-5_Soil	Stage: Appraise	Activity: Field Work/Remedial Investigation	Invoice To.	BP/ARC X Contractor ___
BP/ARC EBM:	Chuck Stilwell				
EBM Phone:	713-998-2443				
EBM Email:	Chuck.Stilwell@bp.com				

Report Type & QC Level: Standard X; Full Data Package ___

Lab No.	Sample Description	Date	Time	Soil / Solid	Water / Liquid	Air / Vapor	Total Number of Containers	Unpreserved	H_2SO_4	HNO_3	HCl	Metals[1] (SW 6010B/6020)	Mercury (SW7471B/7470A)	Thorium, Uranium (SW6020)	MS/MSD	Comments
	STSB03_25-35	12/10/19	1137	X			1	1				X	X			[1]Metals are: Al, B, Ca, Fe, K, Li, Mg,
	STSB03_35-45	12/10/19	1142	X			1	1				X	X			Na, P, Sr, Sn, Ti, by 6010B;
	STSB03_45-55	12/10/19	1158	X			1	1				X	X			As, Ba, Be, Cd, Cr, Co, Cu, Pb, Mn,
	FB04	12/10/19	1210		X		1			1		X	X	X		Mo, Ni, Sb, Se, Ag, Tl, V, Zn by 6020
	STSB03_55-65	12/10/19	1214	X			1	1				X	X			
	STSB03_73.5-78.5	12/10/19	1255	X			1	1				X	X			
	STSB03_83.5-88.5	12/10/19	1320	X			1	1				X	X			Report soil on dry weight basis.
	STSB21_0-0.5	12/11/19	1106	X			1	1				X	X			
	STSB21_0.5-3	12/11/19	1109	X			2	2				X	X		X	
	STSB21_3-6	12/11/19	1120	X			1	1				X	X			

	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Name: Bryce Johnson						
Sampler's Company: Wood	Wood	12/12/19				
Shipment Method: Fed Ex Ship Date: 12/12/19				Olga Pinelas	12/13/19	1000
Shipment Tracking No: 7772 2966 0350						

Special Instructions:

THIS LINE - LAB USE ONLY: Custody Seals In Place: Yes / No | Temp Blank: Yes / No | Cooler Temp on Receipt: 22/20 °F/C | Trip Blank: Yes / No | MS/MSD Sample Submitted: Yes / No

TR89

BP/ARC LaMP COC Rev. 7, Jul 29, 2010

Atlantic Richfield Company
A BP affiliated company

Laboratory Management Program LaMP Chain of Custody Record

BP/ARC Site Node Path: NV_YERINGTON
Req Due Date (mm/dd/yy): STD TAT
Rush TAT: Yes ___ No X
BP/ARC Facility Name: Anaconda Copper Mine Site
Lab Work Order Number:

Lab Name:	TestAmerica, Inc.	BP/ARC Facility Address.	1 Austin Circle	Consultant/Contractor:	Wood - E&I Solutions, Inc.
Lab Address.	17461 Derian Ave, Suite #100 Irvine, CA 92614	City, State, ZIP Code:	Yerington, Nevada 89447	Consultant/Contractor Project No:	SA18170340.005.055B
Lab PM:	Christian Bondoc	Lead Regulatory Agency:	NDEP Abandoned Mine Lands Program	Address:	10940 White Rock Rd, Ste 190 Rancho Cordova, CA 95670
Lab Phone:	949-261-1022	California Global ID No.:		Consultant/Contractor PM:	Kent Parrish
Lab Shipping Accnt:	1103-6633-7 (TAL Acct #)	Enfos Proposal No: D019Q-0047	Work Release No: WR331232	Phone: 916-636-3200	Email: Kent.Parrish@woodplc.com
Lab Bottle Order No:	NA	Accounting Mode:	Provision X OOC-BU ___ OOC-RM ___	Email Report/EDD To:	lynda.lombardi@woodplc.com
Other Info:	OU-4b_OU-5_Soil	Stage: Appraise	Activity: Field Work/Remedial Investigation	Invoice To:	BP/ARC X Contractor ___

BP/ARC EBM: Chuck Stilwell
EBM Phone: 713-998-2443
EBM Email: Chuck.Stilwell@bp.com

Report Type & QC Level: Standard X; Full Data Package ___

Lab No.	Sample Description	Date	Time	Soil / Solid	Water / Liquid	Air / Vapor	Total Number of Containers	Unpreserved	H_2SO_4	HNO_3	HCl	Metals[1] (SW 6010B/6020)	Mercury (SW7471B/7470A)	Thorium, Uranium (SW6020)	MS/MSD	Comments
	STSB21_6-15	12/11/19	1124	X			1	1				X	X			[1]Metals are: Al, B, Ca, Fe, K, Li, Mg,
	~~STSB21_~~				BJ	12/11/19										Na, P, Sr, Sn, Ti, by 6010B;
	STSB21-FD_6-15	12/11/19	1126	X			1	1				X	X			As, Ba, Be, Cd, Cr, Co, Cu, Pb, Mn,
																Mo, Ni, Sb, Se, Ag, Tl, V, Zn by 6020
					BJ			12/12/19								
																Report soil on dry weight basis.

Note: If sample not collected, indicate "No Sample" in comments and single-strike out and initial any preprinted sample description

	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Name: Bryce Johnson						
Sampler's Company: Wood	[signature] / Wood	12/12/19				
Shipment Method: Fed Ex Ship Date: 12/12/19				Olga Ornelas	12/13/19	1000
Shipment Tracking No: 7772 2966 0350						

Special Instructions:

THIS LINE - LAB USE ONLY. Custody Seals In Place: Yes / No | Temp Blank: Yes / No | Cooler Temp on Receipt: 2.2/2.0 °F/C | Trip Blank: Yes / No | MS/MSD Sample Submitted: Yes / No

IC 89.

BP/ARC LaMP COC Rev. 7, Jul 29, 2010

Eurofins Calscience Irvine
17461 Derian Ave Suite 100
Irvine, CA 92614-5817
Phone: 949-261-1022 Fax: 949-260-3297

Chain of Custody Record

eurofins | Calscience

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Bondoc, Christian M	Carrier Tracking No(s):	COC No: 440-151292.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: christian.bondoc@testamericainc.com	State of Origin: Nevada	Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): State Program - Nevada		Job #: 440-257335-2
Address: 13715 Rider Trail North, ,	Due Date Requested: 1/21/2020			
City: Earth City	TAT Requested (days):			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #:			
Email:	WO #:			
Project Name: ACMS - BP Yerington OU-4b_OU-5 Soil	Project #: 44023618			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6020A/3005A Thorium	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
EB04 (440-257335-9)	12/10/19	08:18 Pacific		Water			X	1	BP Yerington requirements; immediate PM notification. J flag.
FB04 (440-257335-23)	12/10/19	12:10 Pacific		Water			X	1	BP Yerington requirements; immediate PM notification. J flag.

Note: Since laboratory accreditations are subject to change, Eurofins Calscience places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Calscience laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Calscience attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins Calscience.

Possible Hazard Identification *Unconfirmed*	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*** ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
A. Kenney	1/17/2020 1700	EC-RV	[illegible]	1-18-20 11:40	ETAST
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

Login Sample Receipt Checklist

Client: Wood E&I Solutions Inc

Job Number: 440-257335-2

Login Number: 257335
List Number: 1
Creator: Dolidze, Lado

List Source: Eurofins Irvine

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	Not Present
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Wood E&I Solutions Inc

Job Number: 440-257335-2

Login Number: 257335
List Number: 2
Creator: Harris, Lorin C

List Source: Eurofins TestAmerica, St. Louis
List Creation: 01/18/20 02:52 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	False	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Internal Chain of Custody Tracking

Login	Smp	Customer Sample ID	Matrix	Container ID	Lab Sample ID	Container Type	Location	Custody User	I/O	ICOC ID	ICOC Date
440-257335	1	STSB04_0-0.5	Solid	440-6003297	440-257335-A-1	Soil jar 4oz	ICOC14R-O	Dolidze, Lado	I	440-150043	12/13/19 18:28
440-257335	1	STSB04_0-0.5	Solid	440-6003328	440-257335-B-1	Soil jar 8oz	ICOC14R-O	Mercado, Michael E	I	440-150527	12/23/19 16:03
440-257335	1	STSB04_0-0.5	Solid	440-6003328	440-257335-B-1	Soil jar 8oz	_Metals Prep	Mercado, Michael E	I	440-150484	12/23/19 10:31
440-257335	1	STSB04_0-0.5	Solid	440-6003328	440-257335-B-1	Soil jar 8oz	ICOC14R-O	Dolidze, Lado	I	440-150043	12/13/19 18:28
440-257335	2	STSB04_0.5-3	Solid	440-6003298	440-257335-A-2	Soil jar 4oz	ICOC14R-O	Dolidze, Lado	I	440-150043	12/13/19 18:28
440-257335	2	STSB04_0.5-3	Solid	440-6003329	440-257335-A-2	Soil jar 4oz	ICOC14R-O	Dolidze, Lado	I	440-150043	12/13/19 18:28
440-257335	2	STSB04_0.5-3	Solid	440-6003331	440-257335-A-2	No Container	ICOC14R-O	Dolidze, Lado	I	440-150043	12/13/19 18:28
440-257335	2	STSB04_0.5-3	Solid	440-6003333	440-257335-B-2	Soil jar 8oz	ICOC14R-O	Mercado, Michael E	I	440-150527	12/23/19 16:03
440-257335	2	STSB04_0.5-3	Solid	440-6003333	440-257335-B-2	Soil jar 8oz	_Metals Prep	Mercado, Michael E	I	440-150484	12/23/19 10:31
440-257335	2	STSB04_0.5-3	Solid	440-6003333	440-257335-B-2	Soil jar 8oz	ICOC14R-O	Dolidze, Lado	I	440-150043	12/13/19 18:28
440-257335	2	STSB04_0.5-3	Solid	440-6003330	440-257335-B-2	Soil jar 8oz	ICOC14R-O	Mercado, Michael E	I	440-150527	12/23/19 16:03
440-257335	2	STSB04_0.5-3	Solid	440-6003330	440-257335-B-2	Soil jar 8oz	_Metals Prep	Mercado, Michael E	I	440-150484	12/23/19 10:31
440-257335	2	STSB04_0.5-3	Solid	440-6003330	440-257335-B-2	Soil jar 8oz	ICOC14R-O	Dolidze, Lado	I	440-150043	12/13/19 18:28
440-257335	2	STSB04_0.5-3	Solid	440-6003332	440-257335-B-2	No Container	ICOC14R-O	Mercado, Michael E	I	440-150527	12/23/19 16:03
440-257335	2	STSB04_0.5-3	Solid	440-6003332	440-257335-B-2	No Container	_Metals Prep	Mercado, Michael E	I	440-150484	12/23/19 10:31
440-257335	2	STSB04_0.5-3	Solid	440-6003332	440-257335-B-2	No Container	ICOC14R-O	Dolidze, Lado	I	440-150043	12/13/19 18:28
440-257335	3	STSB04_3-6	Solid	440-6003299	440-257335-A-3	Soil jar 4oz	ICOC14R-O	Dolidze, Lado	I	440-150043	12/13/19 18:28
440-257335	3	STSB04_3-6	Solid	440-6003334	440-257335-B-3	Soil jar 8oz	ICOC14R-O	Mercado, Michael E	I	440-150527	12/23/19 16:03
440-257335	3	STSB04_3-6	Solid	440-6003334	440-257335-B-3	Soil jar 8oz	_Metals Prep	Mercado, Michael E	I	440-150484	12/23/19 10:31
440-257335	3	STSB04_3-6	Solid	440-6003334	440-257335-B-3	Soil jar 8oz	ICOC14R-O	Dolidze, Lado	I	440-150043	12/13/19 18:28
440-257335	4	STSB04_6-15	Solid	440-6003300	440-257335-A-4	Soil jar 4oz	ICOC14R-O	Dolidze, Lado	I	440-150043	12/13/19 18:28
440-257335	4	STSB04_6-15	Solid	440-6003335	440-257335-B-4	Soil jar 8oz	ICOC14R-O	Mercado, Michael E	I	440-150527	12/23/19 16:03
440-257335	4	STSB04_6-15	Solid	440-6003335	440-257335-B-4	Soil jar 8oz	_Metals Prep	Mercado, Michael E	I	440-150484	12/23/19 10:31
440-257335	4	STSB04_6-15	Solid	440-6003335	440-257335-B-4	Soil jar 8oz	ICOC14R-O	Dolidze, Lado	I	440-150043	12/13/19 18:28
440-257335	5	STSB04_15-25	Solid	440-6003301	440-257335-A-5	Soil jar 4oz	ICOC14R-O	Dolidze, Lado	I	440-150043	12/13/19 18:28
440-257335	5	STSB04_15-25	Solid	440-6003336	440-257335-B-5	Soil jar 8oz	ICOC14R-O	Mercado, Michael E	I	440-150527	12/23/19 16:03
440-257335	5	STSB04_15-25	Solid	440-6003336	440-257335-B-5	Soil jar 8oz	_Metals Prep	Mercado, Michael E	I	440-150484	12/23/19 10:31
440-257335	5	STSB04_15-25	Solid	440-6003336	440-257335-B-5	Soil jar 8oz	ICOC14R-O	Dolidze, Lado	I	440-150043	12/13/19 18:28
440-257335	6	STSB04-FD_15-25	Solid	440-6003302	440-257335-A-6	Soil jar 4oz	ICOC14R-O	Dolidze, Lado	I	440-150043	12/13/19 18:28
440-257335	6	STSB04-FD_15-25	Solid	440-6003337	440-257335-B-6	Soil jar 8oz	ICOC14R-O	Mercado, Michael E	I	440-150527	12/23/19 16:03
440-257335	6	STSB04-FD_15-25	Solid	440-6003337	440-257335-B-6	Soil jar 8oz	_Metals Prep	Mercado, Michael E	I	440-150484	12/23/19 10:31
440-257335	6	STSB04-FD_15-25	Solid	440-6003337	440-257335-B-6	Soil jar 8oz	ICOC14R-O	Dolidze, Lado	I	440-150043	12/13/19 18:28
440-257335	7	STSB04_25-35	Solid	440-6003303	440-257335-A-7	Soil jar 4oz	ICOC14R-O	Dolidze, Lado	I	440-150043	12/13/19 18:28
440-257335	7	STSB04_25-35	Solid	440-6003338	440-257335-B-7	Soil jar 8oz	ICOC14R-O	Mercado, Michael E	I	440-150527	12/23/19 16:03
440-257335	7	STSB04_25-35	Solid	440-6003338	440-257335-B-7	Soil jar 8oz	_Metals Prep	Mercado, Michael E	I	440-150484	12/23/19 10:31
440-257335	7	STSB04_25-35	Solid	440-6003338	440-257335-B-7	Soil jar 8oz	ICOC14R-O	Dolidze, Lado	I	440-150043	12/13/19 18:28
440-257335	8	STSB04_35-45	Solid	440-6003304	440-257335-A-8	Soil jar 4oz	ICOC14R-O	Dolidze, Lado	I	440-150043	12/13/19 18:28
440-257335	8	STSB04_35-45	Solid	440-6003339	440-257335-B-8	Soil jar 8oz	ICOC14R-O	Mercado, Michael E	I	440-150527	12/23/19 16:03
440-257335	8	STSB04_35-45	Solid	440-6003339	440-257335-B-8	Soil jar 8oz	_Metals Prep	Mercado, Michael E	I	440-150484	12/23/19 10:31
440-257335	8	STSB04_35-45	Solid	440-6003339	440-257335-B-8	Soil jar 8oz	ICOC14R-O	Dolidze, Lado	I	440-150043	12/13/19 18:28

Internal Chain of Custody Tracking

Login	Smp	Customer Sample ID	Matrix	Container ID	Lab Sample ID	Container Type	Location	Custody User	I/O	ICOC ID	ICOC Date
440-257335	9	EB04	Water	440-6003305	440-257335-A-9	Plastic 250ml - with Nitric Acid	Metals Storage Room (Rm	Mazariegos, Leonel	I	160-190549	01/27/20 13:28
440-257335	9	EB04	Water	440-6003305	440-257335-A-9	Plastic 250ml - with Nitric Acid	METALS	Mazariegos, Leonel	I	160-190441	01/24/20 14:16
440-257335	9	EB04	Water	440-6003305	440-257335-A-9	Plastic 250ml - with Nitric Acid	Metals Storage Room (Rm	Mazariegos, Leonel	I	160-190121	01/20/20 15:58
440-257335	9	EB04	Water	440-6003305	440-257335-A-9	Plastic 250ml - with Nitric Acid	METALS	Mazariegos, Leonel	I	160-190051	01/20/20 11:04
440-257335	9	EB04	Water	440-6003305	440-257335-A-9	Plastic 250ml - with Nitric Acid	METALS	Harris, Lorin C	I	160-190013	01/18/20 14:53
440-257335	9	EB04	Water	440-6003305	440-257335-A-9	Plastic 250ml - with Nitric Acid	Shared Samples In-Transi	Skinner, Alma D	O	440-151292	01/17/20 12:53
440-257335	9	EB04	Water	440-6003305	440-257335-A-9	Plastic 250ml - with Nitric Acid	_Metals Prep	Garcia, Mayra 1	I	440-150671	12/30/19 10:39
440-257335	9	EB04	Water	440-6003305	440-257335-A-9	Plastic 250ml - with Nitric Acid	ICOCWI3-07	Garcia, Mayra 1	I	440-150682	12/30/19 15:59
440-257335	9	EB04	Water	440-6003305	440-257335-A-9	Plastic 250ml - with Nitric Acid	ICOCWI3-07	Garcia, Mayra 1	I	440-150297	12/19/19 11:43
440-257335	9	EB04	Water	440-6003305	440-257335-A-9	Plastic 250ml - with Nitric Acid	_Metals Prep	Garcia, Mayra 1	I	440-150280	12/18/19 18:20
440-257335	9	EB04	Water	440-6003305	440-257335-A-9	Plastic 250ml - with Nitric Acid	ICOCWI3-07	Mercado, Michael E	I	440-150129	12/16/19 19:58
440-257335	9	EB04	Water	440-6003305	440-257335-A-9	Plastic 250ml - with Nitric Acid	_Metals Prep	Mercado, Michael E	I	440-150113	12/16/19 14:11
440-257335	9	EB04	Water	440-6003305	440-257335-A-9	Plastic 250ml - with Nitric Acid	ICOCWI3-07	Dolidze, Lado	I	440-150044	12/13/19 18:28
440-257335	10	STSB04_45-55	Solid	440-6003306	440-257335-A-10	Soil jar 4oz	ICOC14R-O	Dolidze, Lado	I	440-150043	12/13/19 18:28
440-257335	10	STSB04_45-55	Solid	440-6003342	440-257335-B-10	Soil jar 8oz	ICOC14R-O	Mercado, Michael E	I	440-150527	12/23/19 16:03
440-257335	10	STSB04_45-55	Solid	440-6003342	440-257335-B-10	Soil jar 8oz	_Metals Prep	Mercado, Michael E	I	440-150484	12/23/19 10:31
440-257335	10	STSB04_45-55	Solid	440-6003342	440-257335-B-10	Soil jar 8oz	ICOC14R-O	Dolidze, Lado	I	440-150043	12/13/19 18:28
440-257335	11	STSB04_55-64	Solid	440-6003307	440-257335-A-11	Soil jar 4oz	ICOC14R-O	Dolidze, Lado	I	440-150043	12/13/19 18:28
440-257335	11	STSB04_55-64	Solid	440-6003341	440-257335-B-11	Soil jar 8oz	ICOC14R-O	Mercado, Michael E	I	440-150527	12/23/19 16:03
440-257335	11	STSB04_55-64	Solid	440-6003341	440-257335-B-11	Soil jar 8oz	_Metals Prep	Mercado, Michael E	I	440-150484	12/23/19 10:31
440-257335	11	STSB04_55-64	Solid	440-6003341	440-257335-B-11	Soil jar 8oz	ICOC14R-O	Dolidze, Lado	I	440-150043	12/13/19 18:28
440-257335	12	STSB04_69-74	Solid	440-6003308	440-257335-A-12	Soil jar 4oz	ICOC14R-O	Dolidze, Lado	I	440-150043	12/13/19 18:28
440-257335	12	STSB04_69-74	Solid	440-6003343	440-257335-B-12	Soil jar 8oz	ICOC14R-O	Mercado, Michael E	I	440-150527	12/23/19 16:03
440-257335	12	STSB04_69-74	Solid	440-6003343	440-257335-B-12	Soil jar 8oz	_Metals Prep	Mercado, Michael E	I	440-150484	12/23/19 10:31
440-257335	12	STSB04_69-74	Solid	440-6003343	440-257335-B-12	Soil jar 8oz	ICOC14R-O	Dolidze, Lado	I	440-150043	12/13/19 18:28
440-257335	13	STSB04_79-84	Solid	440-6003309	440-257335-A-13	Soil jar 4oz	ICOC14R-O	Dolidze, Lado	I	440-150043	12/13/19 18:28
440-257335	13	STSB04_79-84	Solid	440-6003344	440-257335-B-13	Soil jar 8oz	ICOC14R-O	Mercado, Michael E	I	440-150527	12/23/19 16:03
440-257335	13	STSB04_79-84	Solid	440-6003344	440-257335-B-13	Soil jar 8oz	_Metals Prep	Mercado, Michael E	I	440-150484	12/23/19 10:31
440-257335	13	STSB04_79-84	Solid	440-6003344	440-257335-B-13	Soil jar 8oz	ICOC14R-O	Dolidze, Lado	I	440-150043	12/13/19 18:28
440-257335	14	STSB03_0-0.5	Solid	440-6003310	440-257335-A-14	Soil jar 4oz	ICOC14R-O	Dolidze, Lado	I	440-150043	12/13/19 18:28
440-257335	14	STSB03_0-0.5	Solid	440-6003345	440-257335-B-14	Soil jar 8oz	ICOC14R-O	Mercado, Michael E	I	440-150527	12/23/19 16:03
440-257335	14	STSB03_0-0.5	Solid	440-6003345	440-257335-B-14	Soil jar 8oz	_Metals Prep	Mercado, Michael E	I	440-150484	12/23/19 10:31
440-257335	14	STSB03_0-0.5	Solid	440-6003345	440-257335-B-14	Soil jar 8oz	ICOC14R-O	Dolidze, Lado	I	440-150043	12/13/19 18:28
440-257335	15	STSB03-FD_0-0.5	Solid	440-6003311	440-257335-A-15	Soil jar 4oz	ICOC14R-O	Dolidze, Lado	I	440-150043	12/13/19 18:28
440-257335	15	STSB03-FD_0-0.5	Solid	440-6003346	440-257335-B-15	Soil jar 8oz	ICOC14R-O	Mercado, Michael E	I	440-150527	12/23/19 16:03
440-257335	15	STSB03-FD_0-0.5	Solid	440-6003346	440-257335-B-15	Soil jar 8oz	_Metals Prep	Mercado, Michael E	I	440-150484	12/23/19 10:31
440-257335	15	STSB03-FD_0-0.5	Solid	440-6003346	440-257335-B-15	Soil jar 8oz	ICOC14R-O	Dolidze, Lado	I	440-150043	12/13/19 18:28
440-257335	16	STSB03_3-6	Solid	440-6003312	440-257335-A-16	Soil jar 4oz	ICOC14R-O	Dolidze, Lado	I	440-150043	12/13/19 18:28
440-257335	16	STSB03_3-6	Solid	440-6003347	440-257335-B-16	Soil jar 8oz	ICOC14R-O	Mercado, Michael E	I	440-150527	12/23/19 16:03
440-257335	16	STSB03_3-6	Solid	440-6003347	440-257335-B-16	Soil jar 8oz	_Metals Prep	Mercado, Michael E	I	440-150484	12/23/19 10:31

Internal Chain of Custody Tracking

Login	Smp	Customer Sample ID	Matrix	Container ID	Lab Sample ID	Container Type	Location	Custody User	I/O	ICOC ID	ICOC Date
440-257335	16	STSB03_3-6	Solid	440-6003347	440-257335-B-16	Soil jar 8oz	ICOC14R-O	Dolidze, Lado	I	440-150043	12/13/19 18:28
440-257335	17	STSB03_0.5-3	Solid	440-6003313	440-257335-A-17	Soil jar 4oz	ICOC14R-O	Dolidze, Lado	I	440-150043	12/13/19 18:28
440-257335	17	STSB03_0.5-3	Solid	440-6003348	440-257335-B-17	Soil jar 8oz	ICOC14R-O	Mercado, Michael E	I	440-150527	12/23/19 16:03
440-257335	17	STSB03_0.5-3	Solid	440-6003348	440-257335-B-17	Soil jar 8oz	_Metals Prep	Mercado, Michael E	I	440-150484	12/23/19 10:31
440-257335	17	STSB03_0.5-3	Solid	440-6003348	440-257335-B-17	Soil jar 8oz	ICOC14R-O	Dolidze, Lado	I	440-150043	12/13/19 18:28
440-257335	18	STSB03_6-15	Solid	440-6003314	440-257335-A-18	Soil jar 4oz	ICOC14R-O	Dolidze, Lado	I	440-150043	12/13/19 18:28
440-257335	18	STSB03_6-15	Solid	440-6003349	440-257335-B-18	Soil jar 8oz	ICOC14R-O	Mercado, Michael E	I	440-150527	12/23/19 16:03
440-257335	18	STSB03_6-15	Solid	440-6003349	440-257335-B-18	Soil jar 8oz	_Metals Prep	Mercado, Michael E	I	440-150484	12/23/19 10:31
440-257335	18	STSB03_6-15	Solid	440-6003349	440-257335-B-18	Soil jar 8oz	ICOC14R-O	Dolidze, Lado	I	440-150043	12/13/19 18:28
440-257335	19	STSB03_15-25	Solid	440-6003315	440-257335-A-19	Soil jar 4oz	ICOC14R-O	Dolidze, Lado	I	440-150043	12/13/19 18:28
440-257335	19	STSB03_15-25	Solid	440-6003350	440-257335-B-19	Soil jar 8oz	ICOC14R-O	Mercado, Michael E	I	440-150527	12/23/19 16:03
440-257335	19	STSB03_15-25	Solid	440-6003350	440-257335-B-19	Soil jar 8oz	_Metals Prep	Mercado, Michael E	I	440-150484	12/23/19 10:31
440-257335	19	STSB03_15-25	Solid	440-6003350	440-257335-B-19	Soil jar 8oz	ICOC14R-O	Dolidze, Lado	I	440-150043	12/13/19 18:28
440-257335	20	STSB03_25-35	Solid	440-6003316	440-257335-A-20	Soil jar 4oz	ICOC14R-O	Dolidze, Lado	I	440-150043	12/13/19 18:28
440-257335	20	STSB03_25-35	Solid	440-6003351	440-257335-B-20	Soil jar 8oz	ICOC14R-O	Mercado, Michael E	I	440-150527	12/23/19 16:03
440-257335	20	STSB03_25-35	Solid	440-6003351	440-257335-B-20	Soil jar 8oz	_Metals Prep	Mercado, Michael E	I	440-150484	12/23/19 10:31
440-257335	20	STSB03_25-35	Solid	440-6003351	440-257335-B-20	Soil jar 8oz	ICOC14R-O	Dolidze, Lado	I	440-150043	12/13/19 18:28
440-257335	21	STSB03_35-45	Solid	440-6003317	440-257335-A-21	Soil jar 4oz	ICOC14R-O	Dolidze, Lado	I	440-150043	12/13/19 18:28
440-257335	21	STSB03_35-45	Solid	440-6003352	440-257335-B-21	Soil jar 8oz	ICOC14R-O	Mercado, Michael E	I	440-150527	12/23/19 16:03
440-257335	21	STSB03_35-45	Solid	440-6003352	440-257335-B-21	Soil jar 8oz	_Metals Prep	Mercado, Michael E	I	440-150484	12/23/19 10:31
440-257335	21	STSB03_35-45	Solid	440-6003352	440-257335-B-21	Soil jar 8oz	ICOC14R-O	Dolidze, Lado	I	440-150043	12/13/19 18:28
440-257335	22	STSB03_45-55	Solid	440-6003318	440-257335-A-22	Soil jar 4oz	ICOC14R-O	Dolidze, Lado	I	440-150043	12/13/19 18:28
440-257335	22	STSB03_45-55	Solid	440-6003353	440-257335-B-22	Soil jar 8oz	ICOC14R-O	Mercado, Michael E	I	440-150527	12/23/19 16:03
440-257335	22	STSB03_45-55	Solid	440-6003353	440-257335-B-22	Soil jar 8oz	_Metals Prep	Mercado, Michael E	I	440-150484	12/23/19 10:31
440-257335	22	STSB03_45-55	Solid	440-6003353	440-257335-B-22	Soil jar 8oz	ICOC14R-O	Dolidze, Lado	I	440-150043	12/13/19 18:28
440-257335	23	FB04	Water	440-6003319	440-257335-A-23	Plastic 250ml - with Nitric Acid	Metals Storage Room (Rm	Mazariegos, Leonel	I	160-190549	01/27/20 13:28
440-257335	23	FB04	Water	440-6003319	440-257335-A-23	Plastic 250ml - with Nitric Acid	METALS	Mazariegos, Leonel	I	160-190441	01/24/20 14:16
440-257335	23	FB04	Water	440-6003319	440-257335-A-23	Plastic 250ml - with Nitric Acid	Metals Storage Room (Rm	Mazariegos, Leonel	I	160-190121	01/20/20 15:58
440-257335	23	FB04	Water	440-6003319	440-257335-A-23	Plastic 250ml - with Nitric Acid	METALS	Mazariegos, Leonel	I	160-190051	01/20/20 11:04
440-257335	23	FB04	Water	440-6003319	440-257335-A-23	Plastic 250ml - with Nitric Acid	METALS	Harris, Lorin C	I	160-190013	01/18/20 14:53
440-257335	23	FB04	Water	440-6003319	440-257335-A-23	Plastic 250ml - with Nitric Acid	Shared Samples In-Transi	Skinner, Alma D	O	440-151292	01/17/20 12:53
440-257335	23	FB04	Water	440-6003319	440-257335-A-23	Plastic 250ml - with Nitric Acid	_Metals Prep	Garcia, Mayra 1	I	440-150671	12/30/19 10:39
440-257335	23	FB04	Water	440-6003319	440-257335-A-23	Plastic 250ml - with Nitric Acid	ICOCWI3-07	Garcia, Mayra 1	I	440-150682	12/30/19 15:59
440-257335	23	FB04	Water	440-6003319	440-257335-A-23	Plastic 250ml - with Nitric Acid	ICOCWI3-07	Garcia, Mayra 1	I	440-150297	12/19/19 11:43
440-257335	23	FB04	Water	440-6003319	440-257335-A-23	Plastic 250ml - with Nitric Acid	_Metals Prep	Garcia, Mayra 1	I	440-150280	12/18/19 18:20
440-257335	23	FB04	Water	440-6003319	440-257335-A-23	Plastic 250ml - with Nitric Acid	ICOCWI3-07	Mercado, Michael E	I	440-150129	12/16/19 19:58
440-257335	23	FB04	Water	440-6003319	440-257335-A-23	Plastic 250ml - with Nitric Acid	_Metals Prep	Mercado, Michael E	I	440-150113	12/16/19 14:11
440-257335	23	FB04	Water	440-6003319	440-257335-A-23	Plastic 250ml - with Nitric Acid	ICOCWI3-07	Dolidze, Lado	I	440-150044	12/13/19 18:28
440-257335	24	STSB03_55-65	Solid	440-6003320	440-257335-A-24	Soil jar 4oz	ICOC14R-O	Dolidze, Lado	I	440-150043	12/13/19 18:28
440-257335	24	STSB03_55-65	Solid	440-6003359	440-257335-B-24	Soil jar 8oz	ICOC14R-O	Mercado, Michael E	I	440-150527	12/23/19 16:03

Internal Chain of Custody Tracking

Login	Smp	Customer Sample ID	Matrix	Container ID	Lab Sample ID	Container Type	Location	Custody User	I/O	ICOC ID	ICOC Date
440-257335	24	STSB03_55-65	Solid	440-6003359	440-257335-B-24	Soil jar 8oz	_Metals Prep	Mercado, Michael E	I	440-150484	12/23/19 10:31
440-257335	24	STSB03_55-65	Solid	440-6003359	440-257335-B-24	Soil jar 8oz	ICOC14R-O	Dolidze, Lado	I	440-150043	12/13/19 18:28
440-257335	25	STSB03_73.5-78.5	Solid	440-6003321	440-257335-A-25	Soil jar 4oz	ICOC14R-O	Dolidze, Lado	I	440-150043	12/13/19 18:28
440-257335	25	STSB03_73.5-78.5	Solid	440-6003360	440-257335-B-25	Soil jar 8oz	ICOC14R-O	Mercado, Michael E	I	440-150527	12/23/19 16:03
440-257335	25	STSB03_73.5-78.5	Solid	440-6003360	440-257335-B-25	Soil jar 8oz	_Metals Prep	Mercado, Michael E	I	440-150484	12/23/19 10:31
440-257335	25	STSB03_73.5-78.5	Solid	440-6003360	440-257335-B-25	Soil jar 8oz	ICOC14R-O	Dolidze, Lado	I	440-150043	12/13/19 18:28
440-257335	26	STSB03_83.5-88.5	Solid	440-6003322	440-257335-A-26	Soil jar 4oz	ICOC14R-O	Dolidze, Lado	I	440-150043	12/13/19 18:28
440-257335	26	STSB03_83.5-88.5	Solid	440-6003361	440-257335-B-26	Soil jar 8oz	ICOC14R-O	Mercado, Michael E	I	440-150527	12/23/19 16:03
440-257335	26	STSB03_83.5-88.5	Solid	440-6003361	440-257335-B-26	Soil jar 8oz	_Metals Prep	Mercado, Michael E	I	440-150484	12/23/19 10:31
440-257335	26	STSB03_83.5-88.5	Solid	440-6003361	440-257335-B-26	Soil jar 8oz	ICOC14R-O	Dolidze, Lado	I	440-150043	12/13/19 18:28
440-257335	27	STSB21_0-0.5	Solid	440-6003323	440-257335-A-27	Soil jar 4oz	ICOC14R-O	Dolidze, Lado	I	440-150043	12/13/19 18:28
440-257335	27	STSB21_0-0.5	Solid	440-6003362	440-257335-B-27	Soil jar 8oz	ICOC14R-O	Mercado, Michael E	I	440-150527	12/23/19 16:03
440-257335	27	STSB21_0-0.5	Solid	440-6003362	440-257335-B-27	Soil jar 8oz	_Metals Prep	Mercado, Michael E	I	440-150484	12/23/19 10:31
440-257335	27	STSB21_0-0.5	Solid	440-6003362	440-257335-B-27	Soil jar 8oz	ICOC14R-O	Dolidze, Lado	I	440-150043	12/13/19 18:28
440-257335	28	STSB21_0.5-3	Solid	440-6003324	440-257335-A-28	Soil jar 4oz	ICOC14R-O	Dolidze, Lado	I	440-150043	12/13/19 18:28
440-257335	28	STSB21_0.5-3	Solid	440-6003503	440-257335-A-28	Soil jar 4oz	ICOC14R-O	Dolidze, Lado	I	440-150043	12/13/19 18:28
440-257335	28	STSB21_0.5-3	Solid	440-6003505	440-257335-A-28	No Container	ICOC14R-O	Dolidze, Lado	I	440-150043	12/13/19 18:28
440-257335	28	STSB21_0.5-3	Solid	440-6003363	440-257335-B-28	Soil jar 8oz	ICOC14R-O	Mercado, Michael E	I	440-150527	12/23/19 16:03
440-257335	28	STSB21_0.5-3	Solid	440-6003363	440-257335-B-28	Soil jar 8oz	_Metals Prep	Mercado, Michael E	I	440-150484	12/23/19 10:31
440-257335	28	STSB21_0.5-3	Solid	440-6003363	440-257335-B-28	Soil jar 8oz	ICOC14R-O	Dolidze, Lado	I	440-150043	12/13/19 18:28
440-257335	28	STSB21_0.5-3	Solid	440-6003504	440-257335-B-28	Soil jar 8oz	ICOC14R-O	Mercado, Michael E	I	440-150527	12/23/19 16:03
440-257335	28	STSB21_0.5-3	Solid	440-6003504	440-257335-B-28	Soil jar 8oz	_Metals Prep	Mercado, Michael E	I	440-150484	12/23/19 10:31
440-257335	28	STSB21_0.5-3	Solid	440-6003504	440-257335-B-28	Soil jar 8oz	ICOC14R-O	Dolidze, Lado	I	440-150043	12/13/19 18:28
440-257335	28	STSB21_0.5-3	Solid	440-6003506	440-257335-B-28	No Container	ICOC14R-O	Mercado, Michael E	I	440-150527	12/23/19 16:03
440-257335	28	STSB21_0.5-3	Solid	440-6003506	440-257335-B-28	No Container	_Metals Prep	Mercado, Michael E	I	440-150484	12/23/19 10:31
440-257335	28	STSB21_0.5-3	Solid	440-6003506	440-257335-B-28	No Container	ICOC14R-O	Dolidze, Lado	I	440-150043	12/13/19 18:28
440-257335	29	STSB21_3-6	Solid	440-6003325	440-257335-A-29	Soil jar 4oz	ICOC14R-O	Dolidze, Lado	I	440-150043	12/13/19 18:28
440-257335	29	STSB21_3-6	Solid	440-6003364	440-257335-B-29	Soil jar 8oz	ICOC14R-O	Mercado, Michael E	I	440-150527	12/23/19 16:03
440-257335	29	STSB21_3-6	Solid	440-6003364	440-257335-B-29	Soil jar 8oz	_Metals Prep	Mercado, Michael E	I	440-150484	12/23/19 10:31
440-257335	29	STSB21_3-6	Solid	440-6003364	440-257335-B-29	Soil jar 8oz	ICOC14R-O	Dolidze, Lado	I	440-150043	12/13/19 18:28
440-257335	30	STSB21_6-15	Solid	440-6003326	440-257335-A-30	Soil jar 4oz	ICOC14R-O	Dolidze, Lado	I	440-150043	12/13/19 18:28
440-257335	30	STSB21_6-15	Solid	440-6003366	440-257335-B-30	Soil jar 8oz	ICOC14R-O	Mercado, Michael E	I	440-150527	12/23/19 16:03
440-257335	30	STSB21_6-15	Solid	440-6003366	440-257335-B-30	Soil jar 8oz	_Metals Prep	Mercado, Michael E	I	440-150484	12/23/19 10:31
440-257335	30	STSB21_6-15	Solid	440-6003366	440-257335-B-30	Soil jar 8oz	ICOC14R-O	Dolidze, Lado	I	440-150043	12/13/19 18:28
440-257335	31	STSB21-FD_6-15	Solid	440-6003327	440-257335-A-31	Soil jar 4oz	ICOC14R-O	Dolidze, Lado	I	440-150043	12/13/19 18:28
440-257335	31	STSB21-FD_6-15	Solid	440-6003365	440-257335-B-31	Soil jar 8oz	ICOC14R-O	Mercado, Michael E	I	440-150527	12/23/19 16:03
440-257335	31	STSB21-FD_6-15	Solid	440-6003365	440-257335-B-31	Soil jar 8oz	_Metals Prep	Mercado, Michael E	I	440-150484	12/23/19 10:31
440-257335	31	STSB21-FD_6-15	Solid	440-6003365	440-257335-B-31	Soil jar 8oz	ICOC14R-O	Dolidze, Lado	I	440-150043	12/13/19 18:28

METALS BATCH WORKSHEET

Lab Name: Eurofins Irvine Job No.: 440-257335-2

SDG No.:

Batch Number: 586393 Batch Start Date: 12/17/19 09:43 Batch Analyst: Perez, Edwin

Batch Method: 3005A Batch End Date: 12/17/19 15:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	Initial pH	InitialAmount	FinalAmount	ME HCl 00549	ME HNO3 00545	ME ICP PREP S 00026
MB 440-586393/1		3005A, 6010B			25 mL	25 mL	1.25 mL	0.5 mL	
LCS 440-586393/2		3005A, 6010B			25 mL	25 mL	1.25 mL	0.5 mL	0.25 mL
440-257429-V-1		3005A, 6010B	R	<2 SU	25 mL	25 mL	1.25 mL	0.5 mL	
440-257429-V-1 MS		3005A, 6010B	R	<2 SU	25 mL	25 mL	1.25 mL	0.5 mL	0.25 mL
440-257429-V-1 MSD		3005A, 6010B	R	<2 SU	25 mL	25 mL	1.25 mL	0.5 mL	0.25 mL
440-257335-A-9	EB04	3005A, 6010B	R	<2 SU	25 mL	25 mL	1.25 mL	0.5 mL	
440-257335-A-23	FB04	3005A, 6010B	R	<2 SU	25 mL	25 mL	1.25 mL	0.5 mL	

Lab Sample ID	Client Sample ID	Method Chain	Basis	ME ICP PREP S 00027					
MB 440-586393/1		3005A, 6010B							
LCS 440-586393/2		3005A, 6010B		0.25 mL					
440-257429-V-1		3005A, 6010B	R						
440-257429-V-1 MS		3005A, 6010B	R	0.25 mL					
440-257429-V-1 MSD		3005A, 6010B	R	0.25 mL					
440-257335-A-9	EB04	3005A, 6010B	R						
440-257335-A-23	FB04	3005A, 6010B	R						

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: Eurofins Irvine Job No.: 440-257335-2

SDG No.:

Batch Number: 586393 Batch Start Date: 12/17/19 09:43 Batch Analyst: Perez, Edwin

Batch Method: 3005A Batch End Date: 12/17/19 15:00

Batch Notes	
Temperature - Corrected - End	91 Degrees C
Temperature - Corrected - Start	91 Degrees C
Digestion End Time	12/17/2019 14:30
Digestion Start Time	12/17/2019 10:30
Digestion Unit ID	1
Hydrochloric Acid ID	0000240180
Nitric Acid ID	0000221803
Pipette/Syringe/Dispenser ID	MET201
Thermometer ID	P-135, Loc A10, CF = -2.00
Digestion Tube/Cup ID	1906257
Temperature - Uncorrected - End	93 Degrees C
Temperature - Uncorrected - Start	93 Degrees C

Basis	Basis Description
R	Total Recoverable

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: Eurofins Irvine Job No.: 440-257335-2

SDG No.:

Batch Number: 588518 Batch Start Date: 12/30/19 12:32 Batch Analyst: Garcia, Mayra 1

Batch Method: 3005A Batch End Date: 12/30/19 17:05

Lab Sample ID	Client Sample ID	Method Chain	Basis	Initial pH	InitialAmount	FinalAmount	ME HCl 00554	ME HNO3 00549	ME ICP PREP S 00028
MB 440-588518/1		3005A, 6010B			25 mL	25 mL	1.25 mL	0.5 mL	
LCS 440-588518/2		3005A, 6010B			25 mL	25 mL	1.25 mL	0.5 mL	0.25 mL
440-257870-M-1		3005A, 6010B	R	<2 SU	25 mL	25 mL	1.25 mL	0.5 mL	
440-257870-M-1 MS		3005A, 6010B	R	<2 SU	25 mL	25 mL	1.25 mL	0.5 mL	0.25 mL
440-257870-M-1 MSD		3005A, 6010B	R	<2 SU	25 mL	25 mL	1.25 mL	0.5 mL	0.25 mL
440-257335-A-9	EB04	3005A, 6010B	R	<2 SU	25 mL	25 mL	1.25 mL	0.5 mL	
440-257335-A-23	FB04	3005A, 6010B	R	<2 SU	25 mL	25 mL	1.25 mL	0.5 mL	

Lab Sample ID	Client Sample ID	Method Chain	Basis	ME ICP PREP S 00029					
MB 440-588518/1		3005A, 6010B							
LCS 440-588518/2		3005A, 6010B		0.25 mL					
440-257870-M-1		3005A, 6010B	R						
440-257870-M-1 MS		3005A, 6010B	R	0.25 mL					
440-257870-M-1 MSD		3005A, 6010B	R	0.25 mL					
440-257335-A-9	EB04	3005A, 6010B	R						
440-257335-A-23	FB04	3005A, 6010B	R						

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: Eurofins Irvine Job No.: 440-257335-2

SDG No.:

Batch Number: 588518 Batch Start Date: 12/30/19 12:32 Batch Analyst: Garcia, Mayra 1

Batch Method: 3005A Batch End Date: 12/30/19 17:05

Batch Notes	
Temperature - Corrected - End	91 Degrees C
Temperature - Corrected - Start	91 Degrees C
Digestion End Time	12/30/2019 16:55
Digestion Start Time	12/30/2019 12:55
Digestion Unit ID	1
Hydrochloric Acid ID	0000240180
Nitric Acid ID	0000221803
Pipette/Syringe/Dispenser ID	MET201
Thermometer ID	P-135, Loc B1, CF = -2.00
Digestion Tube/Cup ID	1906257
Temperature - Uncorrected - End	93 Degrees C
Temperature - Uncorrected - Start	93 Degrees C

Basis	Basis Description
R	Total Recoverable

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: Eurofins Irvine Job No.: 440-257335-2

SDG No.:

Batch Number: 586394 Batch Start Date: 12/17/19 09:48 Batch Analyst: Perez, Edwin

Batch Method: 3005A Batch End Date: 12/17/19 15:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	Initial pH	InitialAmount	FinalAmount	ME HCl 00549	ME HNO3 00545	ME ICPMS ICV 00230
MB 440-586394/1		3005A, 6020			25 mL	25 mL	0.125 mL	0.25 mL	
LCS 440-586394/2		3005A, 6020			25 mL	25 mL	0.125 mL	0.25 mL	0.2 mL
440-257429-V-2		3005A, 6020	R	<2 SU	25 mL	25 mL	0.125 mL	0.25 mL	
440-257429-V-2 MS		3005A, 6020	R	<2 SU	25 mL	25 mL	0.125 mL	0.25 mL	0.2 mL
440-257429-V-2 MSD		3005A, 6020	R	<2 SU	25 mL	25 mL	0.125 mL	0.25 mL	0.2 mL
440-257335-A-9	EB04	3005A, 6020	R	<2 SU	25 mL	25 mL	0.125 mL	0.25 mL	
440-257335-A-23	FB04	3005A, 6020	R	<2 SU	25 mL	25 mL	0.125 mL	0.25 mL	

Batch Notes	
Temperature - Corrected - End	91 Degrees C
Temperature - Corrected - Start	91 Degrees C
Digestion End Time	12/17/2019 14:30
Digestion Start Time	12/17/2019 10:30
Digestion Unit ID	1
Hydrochloric Acid ID	0000240180
Nitric Acid ID	0000221803
Pipette/Syringe/Dispenser ID	MET201
Thermometer ID	P-135, Loc A10, CF = - 2.00
Digestion Tube/Cup ID	1906257
Temperature - Uncorrected - End	93 Degrees C
Temperature - Uncorrected - Start	93 Degrees C

Basis	Basis Description
R	Total Recoverable

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: Eurofins Irvine Job No.: 440-257335-2

SDG No.:

Batch Number: 586204 Batch Start Date: 12/16/19 14:11 Batch Analyst: Mercado, Michael E

Batch Method: 7470A Batch End Date: 12/17/19 07:42

Lab Sample ID	Client Sample ID	Method Chain	Basis	Initial pH	InitialAmount	FinalAmount	ME 1 PPM HG1 00408	ME H2SO4 00094	ME HNO3 00540
MB 440-586204/1		7470A, 7470A		n/a SU	20 mL	20 mL		1 mL	0.5 mL
LCS 440-586204/2		7470A, 7470A		n/a SU	20 mL	20 mL	80 uL	1 mL	0.5 mL
440-257030-A-1		7470A, 7470A	T	<2 SU	20 mL	20 mL		1 mL	0.5 mL
440-257030-A-1 MS		7470A, 7470A	T	<2 SU	20 mL	20 mL	80 uL	1 mL	0.5 mL
440-257030-A-1 MSD		7470A, 7470A	T	<2 SU	20 mL	20 mL	80 uL	1 mL	0.5 mL
440-257335-A-9	EB04	7470A, 7470A	T	<2 SU	20 mL	20 mL		1 mL	0.5 mL
440-257335-A-23	FB04	7470A, 7470A	T	<2 SU	20 mL	20 mL		1 mL	0.5 mL

Lab Sample ID	Client Sample ID	Method Chain	Basis	ME HYDROX SOL 00114	ME K2S2O8 00088	ME KMN04 00186			
MB 440-586204/1		7470A, 7470A		2 mL	1.6 mL	3 mL			
LCS 440-586204/2		7470A, 7470A		2 mL	1.6 mL	3 mL			
440-257030-A-1		7470A, 7470A	T	2 mL	1.6 mL	3 mL			
440-257030-A-1 MS		7470A, 7470A	T	2 mL	1.6 mL	3 mL			
440-257030-A-1 MSD		7470A, 7470A	T	2 mL	1.6 mL	3 mL			
440-257335-A-9	EB04	7470A, 7470A	T	2 mL	1.6 mL	3 mL			
440-257335-A-23	FB04	7470A, 7470A	T	2 mL	1.6 mL	3 mL			

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: Eurofins Irvine Job No.: 440-257335-2

SDG No.:

Batch Number: 586204 Batch Start Date: 12/16/19 14:11 Batch Analyst: Mercado, Michael E

Batch Method: 7470A Batch End Date: 12/17/19 07:42

Batch Notes	
Batch Comment	MB Loc: B11
Temperature - Corrected - End	93 Degrees C
Temperature - Corrected - Start	93 Degrees C
Digestion End Time	12/16/2019 19:04
Digestion Start Time	12/16/2019 17:04
Digestion Unit ID	8
Sulfuric Acid ID	Lot: 0000222813
Nitric Acid ID	Lot: 0000221803
Hydroxylamine ID	5901782 @ 12/17/2019 06:56
Potassium Persulfate ID	5786723
Potassium Permanganate ID	5949091
pH Indicator ID	HC991818
Pipette/Syringe/Dispenser ID	800
Analyst ID - Spike Analyst	MM
Thermometer ID	P-120 CF -1 Loc: A15
Digestion Tube/Cup ID	1906257
Temperature - Uncorrected - End	94 Degrees C
Temperature - Uncorrected - Start	94 Degrees C

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, St. Loui Job No.: 440-257335-2

SDG No.:

Batch Number: 458034 Batch Start Date: 01/27/20 11:50 Batch Analyst: Mazariegos, Leonel A

Batch Method: 3010A Batch End Date: 01/28/20 11:08

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	MPREP1-A 00004	MPREP1-B 00004	MPREP2 00022	AnalysisComment
MB 160-458034/1		3010A, 6020A		50 mL	50 mL				REWORK
LCS 160-458034/2		3010A, 6020A		50 mL	50 mL	0.25 mL	0.25 mL	0.25 mL	Incorrect method
440-256946-A-4		3010A, 6020A	T	50 mL	50 mL				
440-256946-A-4 MS		3010A, 6020A	T	50 mL	50 mL	0.25 mL	0.25 mL	0.25 mL	
440-256946-A-4 MSD		3010A, 6020A	T	50 mL	50 mL	0.25 mL	0.25 mL	0.25 mL	
440-257335-A-9	EB04	3010A, 6020A	T	50 mL	50 mL				
440-257335-A-23	FB04	3010A, 6020A	T	50 mL	50 mL				

Batch Notes	
Temperature - Corrected - End	C4: 91.5 Degrees C
Temperature - Corrected - Start	B5: 91.8 Degrees C
Digestion End Time	01/28/2020 10:48
Digestion Start Time	01/27/2020 15:27
Digestion Unit ID	HOTBLOCK 1
Hydrochloric Acid ID	1864826
Nitric Acid ID	1854883
Pipette/Syringe/Dispenser ID	MET-12
Analyst ID - Spike Analyst	LAM
Sufficient Volume for Batch QC	YES
Thermometer ID	192152608
Digestion Tube/Cup ID	344749-4653

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.