ANALYTICAL REPORT

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Laboratory Job ID: 440-259163-1
Client Project/Site: ACMS - BP Yerington OU-4b_OU-5 Soil

For:
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2/6/2020 12:19:17 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.

Lena Davidkova
Project Manager II
2/6/2020 12:19:17 PM

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Qualifiers

Metals

Qualifier	Qualifier Description
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC is outside acceptance limits.
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.
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits
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: 440-259163-1

Laboratory: Eurofins Calscience Irvine

Narrative

Job Narrative
440-259163-1

Comments
No additional comments.

Receipt
The samples were received on 1/16/2020 10:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.4º C.

Metals
Method 6010B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries of Aluminum for preparation batch 440-590989 and analytical batch 440-591185 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) was within acceptance limits.

Method 6010B: The post digestion spike % recovery for Phosphorus and Sodium associated with batch 440-591185 was outside of control limits. The following sample is impacted: (440-259169-A-4-D PDS).

Method 6020: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 440-591338 and analytical batch 440-591449 were outside control limits for Barium and Antimony. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 6020: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 440-591341 and analytical batch 440-591561 were outside control limits for Copper and Antimony. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) was within acceptance limits.

Method 6010B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries of Strontium and Sodium for preparation batch 440-591338 and analytical batch 440-591490 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 6010B: The post digestion spike % recovery for Phosphorus associated with batch 440-591489 was outside of control limits. The following sample is impacted: (440-259163-B-23-A PDS ^5).

Method 6010B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision of Phosphorus and Potassium for preparation batch 440-591341 and analytical batch 440-591489 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) precision was within acceptance limits.

Method 6020A: analytical batch 160-459370
The initial calibration verification (ICV) result for Manganese, Nickel, Selenium and Zinc was above the upper control limit. Sample results were below the reporting limit, and have been reported as qualified data. (ICV 160-459370/7)

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

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

Lab Admin
No analytical or quality issues were noted, other than those described 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: 440-259163-1

Client Sample ID: WRSB225_0-0.5 — Lab Sample ID: 440-259163-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	8600		11	8.6	mg/Kg	5	☼	6010B	Total/NA
Boron	4.1	J	5.6	2.8	mg/Kg	5	☼	6010B	Total/NA
Calcium	11000		28	15	mg/Kg	5	☼	6010B	Total/NA
Iron	16000		11	7.7	mg/Kg	5	☼	6010B	Total/NA
Lithium	9.0		5.6	3.1	mg/Kg	5	☼	6010B	Total/NA
Magnesium	4400		11	5.6	mg/Kg	5	☼	6010B	Total/NA
Phosphorus	700		5.6	2.8	mg/Kg	5	☼	6010B	Total/NA
Potassium	1500		69	36	mg/Kg	5	☼	6010B	Total/NA
Sodium	170		69	36	mg/Kg	5	☼	6010B	Total/NA
Strontium	53		5.6	2.8	mg/Kg	5	☼	6010B	Total/NA
Titanium	350		2.2	1.1	mg/Kg	5	☼	6010B	Total/NA
Antimony	0.36	J	1.1	0.30	mg/Kg	20	☼	6020	Total/NA
Arsenic	4.5		0.56	0.28	mg/Kg	20	☼	6020	Total/NA
Barium	75		0.56	0.28	mg/Kg	20	☼	6020	Total/NA
Beryllium	0.40		0.33	0.17	mg/Kg	20	☼	6020	Total/NA
Chromium	11		1.1	0.56	mg/Kg	20	☼	6020	Total/NA
Cobalt	4.8		0.56	0.23	mg/Kg	20	☼	6020	Total/NA
Copper	460		1.1	0.56	mg/Kg	20	☼	6020	Total/NA
Lead	3.8		0.56	0.28	mg/Kg	20	☼	6020	Total/NA
Manganese	190		0.56	0.28	mg/Kg	20	☼	6020	Total/NA
Molybdenum	1.3		1.1	0.56	mg/Kg	20	☼	6020	Total/NA
Nickel	7.1		1.1	0.56	mg/Kg	20	☼	6020	Total/NA
Selenium	1.8		1.1	0.22	mg/Kg	20	☼	6020	Total/NA
Vanadium	37		1.1	0.56	mg/Kg	20	☼	6020	Total/NA
Zinc	27		11	5.6	mg/Kg	20	☼	6020	Total/NA
Sample Homogenized	yes				NONE	1		Homogenization	Total/NA

Client Sample ID: WRSB225_0.5-3 — Lab Sample ID: 440-259163-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	8200		11	8.2	mg/Kg	5	☼	6010B	Total/NA
Boron	4.4	J	5.3	2.7	mg/Kg	5	☼	6010B	Total/NA
Calcium	9700		27	14	mg/Kg	5	☼	6010B	Total/NA
Iron	13000		11	7.3	mg/Kg	5	☼	6010B	Total/NA
Lithium	7.3		5.3	3.0	mg/Kg	5	☼	6010B	Total/NA
Magnesium	3600		11	5.3	mg/Kg	5	☼	6010B	Total/NA
Phosphorus	590		5.3	2.7	mg/Kg	5	☼	6010B	Total/NA
Potassium	1400		66	34	mg/Kg	5	☼	6010B	Total/NA
Sodium	310		66	34	mg/Kg	5	☼	6010B	Total/NA
Strontium	66		5.3	2.7	mg/Kg	5	☼	6010B	Total/NA
Titanium	290		2.1	1.1	mg/Kg	5	☼	6010B	Total/NA
Antimony	0.34	J	1.1	0.29	mg/Kg	20	☼	6020	Total/NA
Arsenic	5.2		0.53	0.27	mg/Kg	20	☼	6020	Total/NA
Barium	87		0.53	0.27	mg/Kg	20	☼	6020	Total/NA
Beryllium	0.44		0.32	0.16	mg/Kg	20	☼	6020	Total/NA
Chromium	7.0		1.1	0.53	mg/Kg	20	☼	6020	Total/NA
Cobalt	4.7		0.53	0.22	mg/Kg	20	☼	6020	Total/NA
Copper	130		1.1	0.53	mg/Kg	20	☼	6020	Total/NA
Lead	4.4		0.53	0.27	mg/Kg	20	☼	6020	Total/NA
Manganese	220		0.53	0.27	mg/Kg	20	☼	6020	Total/NA
Molybdenum	0.93	J	1.1	0.53	mg/Kg	20	☼	6020	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: WRSB225_0.5-3 (Continued) — Lab Sample ID: 440-259163-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nickel	5.6		1.1	0.53	mg/Kg	20	☼	6020	Total/NA
Selenium	1.5		1.1	0.21	mg/Kg	20	☼	6020	Total/NA
Vanadium	31		1.1	0.53	mg/Kg	20	☼	6020	Total/NA
Zinc	28		11	5.3	mg/Kg	20	☼	6020	Total/NA
Sample Homogenized	yes				NONE	1		Homogenization	Total/NA

Client Sample ID: WRSB225_3-6 — Lab Sample ID: 440-259163-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	9900		10	8.0	mg/Kg	5	☼	6010B	Total/NA
Boron	5.4		5.2	2.6	mg/Kg	5	☼	6010B	Total/NA
Calcium	8300		26	14	mg/Kg	5	☼	6010B	Total/NA
Iron	14000		10	7.2	mg/Kg	5	☼	6010B	Total/NA
Lithium	7.9		5.2	2.9	mg/Kg	5	☼	6010B	Total/NA
Magnesium	3900		10	5.2	mg/Kg	5	☼	6010B	Total/NA
Phosphorus	450		5.2	2.6	mg/Kg	5	☼	6010B	Total/NA
Potassium	1700		65	34	mg/Kg	5	☼	6010B	Total/NA
Sodium	420		65	33	mg/Kg	5	☼	6010B	Total/NA
Strontium	71		5.2	2.6	mg/Kg	5	☼	6010B	Total/NA
Titanium	350		2.1	1.0	mg/Kg	5	☼	6010B	Total/NA
Antimony	0.37	J	1.0	0.28	mg/Kg	20	☼	6020	Total/NA
Arsenic	5.2		0.52	0.26	mg/Kg	20	☼	6020	Total/NA
Barium	80		0.52	0.26	mg/Kg	20	☼	6020	Total/NA
Beryllium	0.44		0.31	0.16	mg/Kg	20	☼	6020	Total/NA
Chromium	8.5		1.0	0.52	mg/Kg	20	☼	6020	Total/NA
Cobalt	4.8		0.52	0.22	mg/Kg	20	☼	6020	Total/NA
Copper	75		1.0	0.52	mg/Kg	20	☼	6020	Total/NA
Lead	4.8		0.52	0.26	mg/Kg	20	☼	6020	Total/NA
Manganese	230		0.52	0.26	mg/Kg	20	☼	6020	Total/NA
Molybdenum	0.77	J	1.0	0.52	mg/Kg	20	☼	6020	Total/NA
Nickel	6.3		1.0	0.52	mg/Kg	20	☼	6020	Total/NA
Selenium	1.2		1.0	0.21	mg/Kg	20	☼	6020	Total/NA
Vanadium	34		1.0	0.52	mg/Kg	20	☼	6020	Total/NA
Zinc	27		10	5.2	mg/Kg	20	☼	6020	Total/NA
Sample Homogenized	yes				NONE	1		Homogenization	Total/NA

Client Sample ID: WRSB225_6-15 — Lab Sample ID: 440-259163-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	11000		10	8.0	mg/Kg	5	☼	6010B	Total/NA
Boron	6.5		5.2	2.6	mg/Kg	5	☼	6010B	Total/NA
Calcium	6600		26	14	mg/Kg	5	☼	6010B	Total/NA
Iron	19000		10	7.2	mg/Kg	5	☼	6010B	Total/NA
Lithium	9.5		5.2	2.9	mg/Kg	5	☼	6010B	Total/NA
Magnesium	4300		10	5.2	mg/Kg	5	☼	6010B	Total/NA
Phosphorus	850		5.2	2.6	mg/Kg	5	☼	6010B	Total/NA
Potassium	1800		65	34	mg/Kg	5	☼	6010B	Total/NA
Sodium	530		65	33	mg/Kg	5	☼	6010B	Total/NA
Strontium	80		5.2	2.6	mg/Kg	5	☼	6010B	Total/NA
Titanium	380		2.1	1.0	mg/Kg	5	☼	6010B	Total/NA
Antimony	0.79	J	1.0	0.28	mg/Kg	20	☼	6020	Total/NA
Arsenic	9.2		0.52	0.26	mg/Kg	20	☼	6020	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: WRSB225_6-15 (Continued) — Lab Sample ID: 440-259163-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	120		0.52	0.26	mg/Kg	20	☼	6020	Total/NA
Beryllium	0.50		0.31	0.16	mg/Kg	20	☼	6020	Total/NA
Chromium	9.3		1.0	0.52	mg/Kg	20	☼	6020	Total/NA
Cobalt	5.3		0.52	0.22	mg/Kg	20	☼	6020	Total/NA
Copper	830		1.0	0.52	mg/Kg	20	☼	6020	Total/NA
Lead	5.5		0.52	0.26	mg/Kg	20	☼	6020	Total/NA
Manganese	300		0.52	0.26	mg/Kg	20	☼	6020	Total/NA
Molybdenum	1.9		1.0	0.52	mg/Kg	20	☼	6020	Total/NA
Nickel	7.6		1.0	0.52	mg/Kg	20	☼	6020	Total/NA
Selenium	2.8		1.0	0.21	mg/Kg	20	☼	6020	Total/NA
Vanadium	40		1.0	0.52	mg/Kg	20	☼	6020	Total/NA
Zinc	28		10	5.2	mg/Kg	20	☼	6020	Total/NA
Mercury	0.042		0.021	0.013	mg/Kg	1	☼	7471A	Total/NA
Sample Homogenized	yes				NONE	1		Homogenization	Total/NA

Client Sample ID: WRSB221_0-0.5 — Lab Sample ID: 440-259163-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	8500		10	8.1	mg/Kg	5	☼	6010B	Total/NA
Boron	5.5		5.2	2.6	mg/Kg	5	☼	6010B	Total/NA
Calcium	7100		26	14	mg/Kg	5	☼	6010B	Total/NA
Iron	15000		10	7.2	mg/Kg	5	☼	6010B	Total/NA
Lithium	9.6		5.2	2.9	mg/Kg	5	☼	6010B	Total/NA
Magnesium	3600		10	5.2	mg/Kg	5	☼	6010B	Total/NA
Phosphorus	520		5.2	2.6	mg/Kg	5	☼	6010B	Total/NA
Potassium	1400		66	34	mg/Kg	5	☼	6010B	Total/NA
Sodium	220		66	34	mg/Kg	5	☼	6010B	Total/NA
Strontium	56		5.2	2.6	mg/Kg	5	☼	6010B	Total/NA
Titanium	410		2.1	1.0	mg/Kg	5	☼	6010B	Total/NA
Antimony	0.36	J	1.0	0.28	mg/Kg	20	☼	6020	Total/NA
Arsenic	5.8		0.52	0.26	mg/Kg	20	☼	6020	Total/NA
Barium	78		0.52	0.26	mg/Kg	20	☼	6020	Total/NA
Beryllium	0.36		0.31	0.16	mg/Kg	20	☼	6020	Total/NA
Chromium	8.7		1.0	0.52	mg/Kg	20	☼	6020	Total/NA
Cobalt	6.0		0.52	0.22	mg/Kg	20	☼	6020	Total/NA
Copper	150		1.0	0.52	mg/Kg	20	☼	6020	Total/NA
Lead	5.0		0.52	0.26	mg/Kg	20	☼	6020	Total/NA
Manganese	240		0.52	0.26	mg/Kg	20	☼	6020	Total/NA
Molybdenum	0.96	J	1.0	0.52	mg/Kg	20	☼	6020	Total/NA
Nickel	6.6		1.0	0.52	mg/Kg	20	☼	6020	Total/NA
Selenium	1.5		1.0	0.21	mg/Kg	20	☼	6020	Total/NA
Vanadium	36		1.0	0.52	mg/Kg	20	☼	6020	Total/NA
Zinc	28		10	5.2	mg/Kg	20	☼	6020	Total/NA
Sample Homogenized	yes				NONE	1		Homogenization	Total/NA

Client Sample ID: FB12 — Lab Sample ID: 440-259163-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	0.081	J	0.10	0.050	mg/L	1		6010B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Detection Summary

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

Job ID: 440-259163-1

Client Sample ID: WRSB221_0.5-3 — Lab Sample ID: 440-259163-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	6400		10	8.0	mg/Kg	5	☼	6010B	Total/NA
Boron	4.5	J	5.2	2.6	mg/Kg	5	☼	6010B	Total/NA
Calcium	5900		26	14	mg/Kg	5	☼	6010B	Total/NA
Iron	16000		10	7.1	mg/Kg	5	☼	6010B	Total/NA
Lithium	7.4		5.2	2.9	mg/Kg	5	☼	6010B	Total/NA
Magnesium	2900		10	5.2	mg/Kg	5	☼	6010B	Total/NA
Phosphorus	490		5.2	2.6	mg/Kg	5	☼	6010B	Total/NA
Potassium	1100		65	34	mg/Kg	5	☼	6010B	Total/NA
Sodium	420		65	33	mg/Kg	5	☼	6010B	Total/NA
Strontium	50		5.2	2.6	mg/Kg	5	☼	6010B	Total/NA
Titanium	320		2.1	1.0	mg/Kg	5	☼	6010B	Total/NA
Antimony	0.29	J	1.0	0.28	mg/Kg	20	☼	6020	Total/NA
Arsenic	4.2		0.52	0.26	mg/Kg	20	☼	6020	Total/NA
Barium	53		0.52	0.26	mg/Kg	20	☼	6020	Total/NA
Beryllium	0.28	J	0.31	0.16	mg/Kg	20	☼	6020	Total/NA
Chromium	7.2		1.0	0.52	mg/Kg	20	☼	6020	Total/NA
Cobalt	3.8		0.52	0.22	mg/Kg	20	☼	6020	Total/NA
Copper	220		1.0	0.52	mg/Kg	20	☼	6020	Total/NA
Lead	4.4		0.52	0.26	mg/Kg	20	☼	6020	Total/NA
Manganese	160		0.52	0.26	mg/Kg	20	☼	6020	Total/NA
Molybdenum	0.84	J	1.0	0.52	mg/Kg	20	☼	6020	Total/NA
Nickel	4.8		1.0	0.52	mg/Kg	20	☼	6020	Total/NA
Selenium	3.2		1.0	0.21	mg/Kg	20	☼	6020	Total/NA
Silver	0.20	J	0.52	0.10	mg/Kg	20	☼	6020	Total/NA
Vanadium	29		1.0	0.52	mg/Kg	20	☼	6020	Total/NA
Zinc	20		10	5.2	mg/Kg	20	☼	6020	Total/NA
Mercury	0.015	J	0.021	0.012	mg/Kg	1	☼	7471A	Total/NA
Sample Homogenized	yes				NONE	1		Homogenization	Total/NA

Client Sample ID: WRSB221_3-6 — Lab Sample ID: 440-259163-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	7500		10	7.9	mg/Kg	5	☼	6010B	Total/NA
Boron	6.4		5.1	2.6	mg/Kg	5	☼	6010B	Total/NA
Calcium	12000		26	14	mg/Kg	5	☼	6010B	Total/NA
Iron	12000		10	7.1	mg/Kg	5	☼	6010B	Total/NA
Lithium	7.8		5.1	2.9	mg/Kg	5	☼	6010B	Total/NA
Magnesium	3300		10	5.1	mg/Kg	5	☼	6010B	Total/NA
Phosphorus	530		5.1	2.6	mg/Kg	5	☼	6010B	Total/NA
Potassium	1100		64	33	mg/Kg	5	☼	6010B	Total/NA
Sodium	510		64	33	mg/Kg	5	☼	6010B	Total/NA
Strontium	82		5.1	2.6	mg/Kg	5	☼	6010B	Total/NA
Titanium	330		2.1	1.0	mg/Kg	5	☼	6010B	Total/NA
Arsenic	6.4		0.51	0.26	mg/Kg	20	☼	6020	Total/NA
Barium	89		0.51	0.26	mg/Kg	20	☼	6020	Total/NA
Beryllium	0.38		0.31	0.15	mg/Kg	20	☼	6020	Total/NA
Chromium	6.5		1.0	0.51	mg/Kg	20	☼	6020	Total/NA
Cobalt	4.2		0.51	0.22	mg/Kg	20	☼	6020	Total/NA
Copper	64		1.0	0.51	mg/Kg	20	☼	6020	Total/NA
Lead	3.6		0.51	0.26	mg/Kg	20	☼	6020	Total/NA
Manganese	200		0.51	0.26	mg/Kg	20	☼	6020	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: WRSB221_3-6 (Continued) — Lab Sample ID: 440-259163-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Molybdenum	0.74	J	1.0	0.51	mg/Kg	20	☼	6020	Total/NA
Nickel	4.9		1.0	0.51	mg/Kg	20	☼	6020	Total/NA
Selenium	0.86	J	1.0	0.21	mg/Kg	20	☼	6020	Total/NA
Vanadium	29		1.0	0.51	mg/Kg	20	☼	6020	Total/NA
Zinc	20		10	5.1	mg/Kg	20	☼	6020	Total/NA
Sample Homogenized	yes				NONE	1		Homogenization	Total/NA

Client Sample ID: WRSB221_6-15 — Lab Sample ID: 440-259163-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	7400		10	7.8	mg/Kg	5	☼	6010B	Total/NA
Boron	5.7		5.0	2.5	mg/Kg	5	☼	6010B	Total/NA
Calcium	7800		25	14	mg/Kg	5	☼	6010B	Total/NA
Iron	12000		10	7.0	mg/Kg	5	☼	6010B	Total/NA
Lithium	7.1		5.0	2.8	mg/Kg	5	☼	6010B	Total/NA
Magnesium	3100		10	5.0	mg/Kg	5	☼	6010B	Total/NA
Phosphorus	430		5.0	2.5	mg/Kg	5	☼	6010B	Total/NA
Potassium	1200		63	33	mg/Kg	5	☼	6010B	Total/NA
Sodium	510		63	32	mg/Kg	5	☼	6010B	Total/NA
Strontium	67		5.0	2.5	mg/Kg	5	☼	6010B	Total/NA
Titanium	300		2.0	1.0	mg/Kg	5	☼	6010B	Total/NA
Antimony	0.27	J	1.0	0.27	mg/Kg	20	☼	6020	Total/NA
Arsenic	5.6		0.50	0.25	mg/Kg	20	☼	6020	Total/NA
Barium	85		0.50	0.25	mg/Kg	20	☼	6020	Total/NA
Beryllium	0.37		0.30	0.15	mg/Kg	20	☼	6020	Total/NA
Chromium	6.7		1.0	0.50	mg/Kg	20	☼	6020	Total/NA
Cobalt	4.6		0.50	0.21	mg/Kg	20	☼	6020	Total/NA
Copper	76		1.0	0.50	mg/Kg	20	☼	6020	Total/NA
Lead	3.8		0.50	0.25	mg/Kg	20	☼	6020	Total/NA
Manganese	250		0.50	0.25	mg/Kg	20	☼	6020	Total/NA
Molybdenum	1.1		1.0	0.50	mg/Kg	20	☼	6020	Total/NA
Nickel	4.8		1.0	0.50	mg/Kg	20	☼	6020	Total/NA
Selenium	1.1		1.0	0.20	mg/Kg	20	☼	6020	Total/NA
Vanadium	30		1.0	0.50	mg/Kg	20	☼	6020	Total/NA
Zinc	21		10	5.0	mg/Kg	20	☼	6020	Total/NA
Mercury	0.013	J	0.021	0.013	mg/Kg	1	☼	7471A	Total/NA
Sample Homogenized	yes				NONE	1		Homogenization	Total/NA

Client Sample ID: WRSB214_0-0.5 — Lab Sample ID: 440-259163-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	9000		10	8.1	mg/Kg	5	☼	6010B	Total/NA
Boron	4.5	J	5.2	2.6	mg/Kg	5	☼	6010B	Total/NA
Calcium	6500		26	14	mg/Kg	5	☼	6010B	Total/NA
Iron	14000		10	7.2	mg/Kg	5	☼	6010B	Total/NA
Lithium	8.9		5.2	2.9	mg/Kg	5	☼	6010B	Total/NA
Magnesium	3500		10	5.2	mg/Kg	5	☼	6010B	Total/NA
Phosphorus	470		5.2	2.6	mg/Kg	5	☼	6010B	Total/NA
Potassium	1500		65	34	mg/Kg	5	☼	6010B	Total/NA
Sodium	330		65	33	mg/Kg	5	☼	6010B	Total/NA
Strontium	92		5.2	2.6	mg/Kg	5	☼	6010B	Total/NA
Titanium	330		2.1	1.0	mg/Kg	5	☼	6010B	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

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

Job ID: 440-259163-1

Client Sample ID: WRSB214_0-0.5 (Continued) — Lab Sample ID: 440-259163-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	0.37	J	1.0	0.28	mg/Kg	20	☼	6020	Total/NA
Arsenic	5.7		0.52	0.26	mg/Kg	20	☼	6020	Total/NA
Barium	170		0.52	0.26	mg/Kg	20	☼	6020	Total/NA
Beryllium	0.47		0.31	0.16	mg/Kg	20	☼	6020	Total/NA
Chromium	7.9		1.0	0.52	mg/Kg	20	☼	6020	Total/NA
Cobalt	5.4		0.52	0.22	mg/Kg	20	☼	6020	Total/NA
Copper	100		1.0	0.52	mg/Kg	20	☼	6020	Total/NA
Lead	4.7		0.52	0.26	mg/Kg	20	☼	6020	Total/NA
Manganese	250		0.52	0.26	mg/Kg	20	☼	6020	Total/NA
Molybdenum	0.56	J	1.0	0.52	mg/Kg	20	☼	6020	Total/NA
Nickel	5.8		1.0	0.52	mg/Kg	20	☼	6020	Total/NA
Selenium	1.3		1.0	0.21	mg/Kg	20	☼	6020	Total/NA
Vanadium	34		1.0	0.52	mg/Kg	20	☼	6020	Total/NA
Zinc	26		10	5.2	mg/Kg	20	☼	6020	Total/NA
Mercury	0.014	J	0.020	0.012	mg/Kg	1	☼	7471A	Total/NA
Sample Homogenized	yes				NONE	1		Homogenization	Total/NA

Client Sample ID: WRSB214_0.5-3 — Lab Sample ID: 440-259163-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	8200		10	8.0	mg/Kg	5	☼	6010B	Total/NA
Boron	4.5	J	5.2	2.6	mg/Kg	5	☼	6010B	Total/NA
Calcium	9700		26	14	mg/Kg	5	☼	6010B	Total/NA
Iron	14000		10	7.2	mg/Kg	5	☼	6010B	Total/NA
Lithium	7.4		5.2	2.9	mg/Kg	5	☼	6010B	Total/NA
Magnesium	3200		10	5.2	mg/Kg	5	☼	6010B	Total/NA
Phosphorus	450		5.2	2.6	mg/Kg	5	☼	6010B	Total/NA
Potassium	1300		65	34	mg/Kg	5	☼	6010B	Total/NA
Sodium	740	F1	65	33	mg/Kg	5	☼	6010B	Total/NA
Strontium	86	F1	5.2	2.6	mg/Kg	5	☼	6010B	Total/NA
Titanium	320		2.1	1.0	mg/Kg	5	☼	6010B	Total/NA
Antimony	0.48	J F1	1.0	0.28	mg/Kg	20	☼	6020	Total/NA
Arsenic	5.9		0.52	0.26	mg/Kg	20	☼	6020	Total/NA
Barium	120	F1	0.52	0.26	mg/Kg	20	☼	6020	Total/NA
Beryllium	0.52		0.31	0.16	mg/Kg	20	☼	6020	Total/NA
Chromium	7.8		1.0	0.52	mg/Kg	20	☼	6020	Total/NA
Cobalt	4.6		0.52	0.22	mg/Kg	20	☼	6020	Total/NA
Copper	75		1.0	0.52	mg/Kg	20	☼	6020	Total/NA
Lead	4.2		0.52	0.26	mg/Kg	20	☼	6020	Total/NA
Manganese	220		0.52	0.26	mg/Kg	20	☼	6020	Total/NA
Molybdenum	0.73	J	1.0	0.52	mg/Kg	20	☼	6020	Total/NA
Nickel	5.5		1.0	0.52	mg/Kg	20	☼	6020	Total/NA
Selenium	1.4		1.0	0.21	mg/Kg	20	☼	6020	Total/NA
Vanadium	32		1.0	0.52	mg/Kg	20	☼	6020	Total/NA
Zinc	24		10	5.2	mg/Kg	20	☼	6020	Total/NA
Mercury	0.013	J	0.021	0.013	mg/Kg	1	☼	7471A	Total/NA
Sample Homogenized	yes				NONE	1		Homogenization	Total/NA

Client Sample ID: WRSB214_3-6 — Lab Sample ID: 440-259163-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	7300		10	8.0	mg/Kg	5	☼	6010B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: WRSB214_3-6 (Continued) — Lab Sample ID: 440-259163-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Boron	3.8	J	5.2	2.6	mg/Kg	5	☼	6010B	Total/NA
Calcium	4700		26	14	mg/Kg	5	☼	6010B	Total/NA
Iron	12000		10	7.1	mg/Kg	5	☼	6010B	Total/NA
Lithium	6.4		5.2	2.9	mg/Kg	5	☼	6010B	Total/NA
Magnesium	2700		10	5.2	mg/Kg	5	☼	6010B	Total/NA
Phosphorus	400		5.2	2.6	mg/Kg	5	☼	6010B	Total/NA
Potassium	1100		65	34	mg/Kg	5	☼	6010B	Total/NA
Sodium	890		65	33	mg/Kg	5	☼	6010B	Total/NA
Strontium	70		5.2	2.6	mg/Kg	5	☼	6010B	Total/NA
Titanium	310		2.1	1.0	mg/Kg	5	☼	6010B	Total/NA
Antimony	0.34	J	1.0	0.28	mg/Kg	20	☼	6020	Total/NA
Arsenic	5.6		0.52	0.26	mg/Kg	20	☼	6020	Total/NA
Barium	120		0.52	0.26	mg/Kg	20	☼	6020	Total/NA
Beryllium	0.35		0.31	0.15	mg/Kg	20	☼	6020	Total/NA
Chromium	7.5		1.0	0.52	mg/Kg	20	☼	6020	Total/NA
Cobalt	4.5		0.52	0.22	mg/Kg	20	☼	6020	Total/NA
Copper	60		1.0	0.52	mg/Kg	20	☼	6020	Total/NA
Lead	5.3		0.52	0.26	mg/Kg	20	☼	6020	Total/NA
Manganese	260		0.52	0.26	mg/Kg	20	☼	6020	Total/NA
Molybdenum	0.56	J	1.0	0.52	mg/Kg	20	☼	6020	Total/NA
Nickel	5.0		1.0	0.52	mg/Kg	20	☼	6020	Total/NA
Selenium	1.0		1.0	0.21	mg/Kg	20	☼	6020	Total/NA
Vanadium	31		1.0	0.52	mg/Kg	20	☼	6020	Total/NA
Zinc	23		10	5.2	mg/Kg	20	☼	6020	Total/NA
Mercury	0.015	J	0.020	0.012	mg/Kg	1	☼	7471A	Total/NA
Sample Homogenized	yes				NONE	1		Homogenization	Total/NA

Client Sample ID: EB12 — Lab Sample ID: 440-259163-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	0.14		0.10	0.050	mg/L	1		6010B	Total Recoverable
Magnesium	0.017	J	0.020	0.010	mg/L	1		6010B	Total Recoverable
Manganese	1.5	J ^	4.0	1.5	ug/L	2		6020A	Total/NA

Client Sample ID: WRSB214_6-15 — Lab Sample ID: 440-259163-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	7800		10	8.0	mg/Kg	5	☼	6010B	Total/NA
Boron	4.8	J	5.2	2.6	mg/Kg	5	☼	6010B	Total/NA
Calcium	5800		26	14	mg/Kg	5	☼	6010B	Total/NA
Iron	13000		10	7.1	mg/Kg	5	☼	6010B	Total/NA
Lithium	7.2		5.2	2.9	mg/Kg	5	☼	6010B	Total/NA
Magnesium	2900		10	5.2	mg/Kg	5	☼	6010B	Total/NA
Phosphorus	440		5.2	2.6	mg/Kg	5	☼	6010B	Total/NA
Potassium	1100		65	34	mg/Kg	5	☼	6010B	Total/NA
Sodium	820		65	33	mg/Kg	5	☼	6010B	Total/NA
Strontium	51		5.2	2.6	mg/Kg	5	☼	6010B	Total/NA
Titanium	360		2.1	1.0	mg/Kg	5	☼	6010B	Total/NA
Antimony	0.40	J	1.0	0.28	mg/Kg	20	☼	6020	Total/NA
Arsenic	5.9		0.52	0.26	mg/Kg	20	☼	6020	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

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

Job ID: 440-259163-1

Client Sample ID: WRSB214_6-15 (Continued) — Lab Sample ID: 440-259163-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	86		0.52	0.26	mg/Kg	20	☼	6020	Total/NA
Beryllium	0.41		0.31	0.16	mg/Kg	20	☼	6020	Total/NA
Chromium	9.2		1.0	0.52	mg/Kg	20	☼	6020	Total/NA
Cobalt	4.5		0.52	0.22	mg/Kg	20	☼	6020	Total/NA
Copper	49		1.0	0.52	mg/Kg	20	☼	6020	Total/NA
Lead	5.2		0.52	0.26	mg/Kg	20	☼	6020	Total/NA
Manganese	230		0.52	0.26	mg/Kg	20	☼	6020	Total/NA
Molybdenum	0.78	J	1.0	0.52	mg/Kg	20	☼	6020	Total/NA
Nickel	5.6		1.0	0.52	mg/Kg	20	☼	6020	Total/NA
Selenium	1.2		1.0	0.21	mg/Kg	20	☼	6020	Total/NA
Vanadium	39		1.0	0.52	mg/Kg	20	☼	6020	Total/NA
Zinc	29		10	5.2	mg/Kg	20	☼	6020	Total/NA
Mercury	0.017	J	0.020	0.012	mg/Kg	1	☼	7471A	Total/NA
Sample Homogenized	yes				NONE	1		Homogenization	Total/NA

Client Sample ID: WRSB213_0-0.5 — Lab Sample ID: 440-259163-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	10000		10	8.0	mg/Kg	5	☼	6010B	Total/NA
Boron	5.8		5.2	2.6	mg/Kg	5	☼	6010B	Total/NA
Calcium	7900		26	14	mg/Kg	5	☼	6010B	Total/NA
Iron	16000		10	7.2	mg/Kg	5	☼	6010B	Total/NA
Lithium	8.6		5.2	2.9	mg/Kg	5	☼	6010B	Total/NA
Magnesium	3800		10	5.2	mg/Kg	5	☼	6010B	Total/NA
Phosphorus	550		5.2	2.6	mg/Kg	5	☼	6010B	Total/NA
Potassium	1600		65	34	mg/Kg	5	☼	6010B	Total/NA
Sodium	560		65	33	mg/Kg	5	☼	6010B	Total/NA
Strontium	68		5.2	2.6	mg/Kg	5	☼	6010B	Total/NA
Titanium	400		2.1	1.0	mg/Kg	5	☼	6010B	Total/NA
Antimony	0.39	J	1.0	0.28	mg/Kg	20	☼	6020	Total/NA
Arsenic	6.1		0.52	0.26	mg/Kg	20	☼	6020	Total/NA
Barium	110		0.52	0.26	mg/Kg	20	☼	6020	Total/NA
Beryllium	0.51		0.31	0.16	mg/Kg	20	☼	6020	Total/NA
Chromium	9.3		1.0	0.52	mg/Kg	20	☼	6020	Total/NA
Cobalt	6.4		0.52	0.22	mg/Kg	20	☼	6020	Total/NA
Copper	81		1.0	0.52	mg/Kg	20	☼	6020	Total/NA
Lead	5.6		0.52	0.26	mg/Kg	20	☼	6020	Total/NA
Manganese	370		0.52	0.26	mg/Kg	20	☼	6020	Total/NA
Molybdenum	0.67	J	1.0	0.52	mg/Kg	20	☼	6020	Total/NA
Nickel	7.2		1.0	0.52	mg/Kg	20	☼	6020	Total/NA
Selenium	1.7		1.0	0.21	mg/Kg	20	☼	6020	Total/NA
Vanadium	41		1.0	0.52	mg/Kg	20	☼	6020	Total/NA
Zinc	30		10	5.2	mg/Kg	20	☼	6020	Total/NA
Mercury	0.019	J	0.021	0.012	mg/Kg	1	☼	7471A	Total/NA
Sample Homogenized	yes				NONE	1		Homogenization	Total/NA

Client Sample ID: WRSB213_0.5-3 — Lab Sample ID: 440-259163-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	11000		10	8.1	mg/Kg	5	☼	6010B	Total/NA
Boron	7.2		5.2	2.6	mg/Kg	5	☼	6010B	Total/NA
Calcium	6600		26	14	mg/Kg	5	☼	6010B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: WRSB213_0.5-3 (Continued) — Lab Sample ID: 440-259163-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Iron	16000		10	7.2	mg/Kg	5	☼	6010B	Total/NA
Lithium	8.9		5.2	2.9	mg/Kg	5	☼	6010B	Total/NA
Magnesium	4200		10	5.2	mg/Kg	5	☼	6010B	Total/NA
Phosphorus	480		5.2	2.6	mg/Kg	5	☼	6010B	Total/NA
Potassium	1700		66	34	mg/Kg	5	☼	6010B	Total/NA
Sodium	840		66	34	mg/Kg	5	☼	6010B	Total/NA
Strontium	69		5.2	2.6	mg/Kg	5	☼	6010B	Total/NA
Titanium	420		2.1	1.0	mg/Kg	5	☼	6010B	Total/NA
Antimony	0.40	J	1.0	0.28	mg/Kg	20	☼	6020	Total/NA
Arsenic	6.2		0.52	0.26	mg/Kg	20	☼	6020	Total/NA
Barium	110		0.52	0.26	mg/Kg	20	☼	6020	Total/NA
Beryllium	0.55		0.31	0.16	mg/Kg	20	☼	6020	Total/NA
Chromium	11		1.0	0.52	mg/Kg	20	☼	6020	Total/NA
Cobalt	5.6		0.52	0.22	mg/Kg	20	☼	6020	Total/NA
Copper	79		1.0	0.52	mg/Kg	20	☼	6020	Total/NA
Lead	4.9		0.52	0.26	mg/Kg	20	☼	6020	Total/NA
Manganese	250		0.52	0.26	mg/Kg	20	☼	6020	Total/NA
Molybdenum	0.69	J	1.0	0.52	mg/Kg	20	☼	6020	Total/NA
Nickel	7.8		1.0	0.52	mg/Kg	20	☼	6020	Total/NA
Selenium	1.2		1.0	0.21	mg/Kg	20	☼	6020	Total/NA
Vanadium	40		1.0	0.52	mg/Kg	20	☼	6020	Total/NA
Zinc	30		10	5.2	mg/Kg	20	☼	6020	Total/NA
Mercury	0.013	J	0.021	0.013	mg/Kg	1	☼	7471A	Total/NA
Sample Homogenized	yes				NONE	1		Homogenization	Total/NA

Client Sample ID: WRSB213_3-6 — Lab Sample ID: 440-259163-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	9500		11	8.1	mg/Kg	5	☼	6010B	Total/NA
Boron	6.9		5.3	2.6	mg/Kg	5	☼	6010B	Total/NA
Calcium	7400		26	14	mg/Kg	5	☼	6010B	Total/NA
Iron	14000		11	7.3	mg/Kg	5	☼	6010B	Total/NA
Lithium	8.3		5.3	2.9	mg/Kg	5	☼	6010B	Total/NA
Magnesium	3700		11	5.3	mg/Kg	5	☼	6010B	Total/NA
Phosphorus	440		5.3	2.6	mg/Kg	5	☼	6010B	Total/NA
Potassium	1600		66	34	mg/Kg	5	☼	6010B	Total/NA
Sodium	920		66	34	mg/Kg	5	☼	6010B	Total/NA
Strontium	69		5.3	2.6	mg/Kg	5	☼	6010B	Total/NA
Titanium	340		2.1	1.1	mg/Kg	5	☼	6010B	Total/NA
Antimony	0.44	J	1.1	0.28	mg/Kg	20	☼	6020	Total/NA
Arsenic	7.4		0.53	0.26	mg/Kg	20	☼	6020	Total/NA
Barium	120		0.53	0.26	mg/Kg	20	☼	6020	Total/NA
Beryllium	0.56		0.32	0.16	mg/Kg	20	☼	6020	Total/NA
Chromium	9.9		1.1	0.53	mg/Kg	20	☼	6020	Total/NA
Cobalt	6.2		0.53	0.22	mg/Kg	20	☼	6020	Total/NA
Copper	80		1.1	0.53	mg/Kg	20	☼	6020	Total/NA
Lead	6.0		0.53	0.26	mg/Kg	20	☼	6020	Total/NA
Manganese	320		0.53	0.26	mg/Kg	20	☼	6020	Total/NA
Molybdenum	0.71	J	1.1	0.53	mg/Kg	20	☼	6020	Total/NA
Nickel	7.2		1.1	0.53	mg/Kg	20	☼	6020	Total/NA
Selenium	1.4		1.1	0.21	mg/Kg	20	☼	6020	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: WRSB213_3-6 (Continued) — Lab Sample ID: 440-259163-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vanadium	43		1.1	0.53	mg/Kg	20	☼	6020	Total/NA
Zinc	33		11	5.3	mg/Kg	20	☼	6020	Total/NA
Mercury	0.024		0.021	0.012	mg/Kg	1	☼	7471A	Total/NA
Sample Homogenized	yes				NONE	1		Homogenization	Total/NA

Client Sample ID: WRSB213_6-15 — Lab Sample ID: 440-259163-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	10000		11	8.1	mg/Kg	5	☼	6010B	Total/NA
Boron	8.6		5.3	2.6	mg/Kg	5	☼	6010B	Total/NA
Calcium	7400		26	14	mg/Kg	5	☼	6010B	Total/NA
Iron	15000		11	7.3	mg/Kg	5	☼	6010B	Total/NA
Lithium	8.9		5.3	3.0	mg/Kg	5	☼	6010B	Total/NA
Magnesium	3800		11	5.3	mg/Kg	5	☼	6010B	Total/NA
Phosphorus	630		5.3	2.6	mg/Kg	5	☼	6010B	Total/NA
Potassium	1600		66	34	mg/Kg	5	☼	6010B	Total/NA
Sodium	850		66	34	mg/Kg	5	☼	6010B	Total/NA
Strontium	68		5.3	2.6	mg/Kg	5	☼	6010B	Total/NA
Titanium	350		2.1	1.1	mg/Kg	5	☼	6010B	Total/NA
Antimony	0.37	J	1.1	0.29	mg/Kg	20	☼	6020	Total/NA
Arsenic	7.6		0.53	0.26	mg/Kg	20	☼	6020	Total/NA
Barium	88		0.53	0.26	mg/Kg	20	☼	6020	Total/NA
Beryllium	0.51		0.32	0.16	mg/Kg	20	☼	6020	Total/NA
Chromium	9.4		1.1	0.53	mg/Kg	20	☼	6020	Total/NA
Cobalt	5.1		0.53	0.22	mg/Kg	20	☼	6020	Total/NA
Copper	60		1.1	0.53	mg/Kg	20	☼	6020	Total/NA
Lead	4.9		0.53	0.26	mg/Kg	20	☼	6020	Total/NA
Manganese	260		0.53	0.26	mg/Kg	20	☼	6020	Total/NA
Molybdenum	0.97	J	1.1	0.53	mg/Kg	20	☼	6020	Total/NA
Nickel	6.6		1.1	0.53	mg/Kg	20	☼	6020	Total/NA
Selenium	1.6		1.1	0.21	mg/Kg	20	☼	6020	Total/NA
Vanadium	38		1.1	0.53	mg/Kg	20	☼	6020	Total/NA
Zinc	28		11	5.3	mg/Kg	20	☼	6020	Total/NA
Mercury	0.016	J	0.021	0.013	mg/Kg	1	☼	7471A	Total/NA
Sample Homogenized	yes				NONE	1		Homogenization	Total/NA

Client Sample ID: WRSB213-FD_6-15 — Lab Sample ID: 440-259163-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	9800		10	7.9	mg/Kg	5	☼	6010B	Total/NA
Boron	8.1		5.2	2.6	mg/Kg	5	☼	6010B	Total/NA
Calcium	6400		26	14	mg/Kg	5	☼	6010B	Total/NA
Iron	15000		10	7.1	mg/Kg	5	☼	6010B	Total/NA
Lithium	8.6		5.2	2.9	mg/Kg	5	☼	6010B	Total/NA
Magnesium	3700		10	5.2	mg/Kg	5	☼	6010B	Total/NA
Phosphorus	480		5.2	2.6	mg/Kg	5	☼	6010B	Total/NA
Potassium	1500		64	34	mg/Kg	5	☼	6010B	Total/NA
Sodium	860		64	33	mg/Kg	5	☼	6010B	Total/NA
Strontium	68		5.2	2.6	mg/Kg	5	☼	6010B	Total/NA
Titanium	350		2.1	1.0	mg/Kg	5	☼	6010B	Total/NA
Antimony	0.40	J	1.0	0.28	mg/Kg	20	☼	6020	Total/NA
Arsenic	7.9		0.52	0.26	mg/Kg	20	☼	6020	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

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

Job ID: 440-259163-1

Client Sample ID: WRSB213-FD_6-15 (Continued) — Lab Sample ID: 440-259163-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	100		0.52	0.26	mg/Kg	20	☼	6020	Total/NA
Beryllium	0.46		0.31	0.15	mg/Kg	20	☼	6020	Total/NA
Chromium	8.9		1.0	0.52	mg/Kg	20	☼	6020	Total/NA
Cobalt	5.6		0.52	0.22	mg/Kg	20	☼	6020	Total/NA
Copper	58		1.0	0.52	mg/Kg	20	☼	6020	Total/NA
Lead	5.0		0.52	0.26	mg/Kg	20	☼	6020	Total/NA
Manganese	290		0.52	0.26	mg/Kg	20	☼	6020	Total/NA
Molybdenum	0.92	J	1.0	0.52	mg/Kg	20	☼	6020	Total/NA
Nickel	6.5		1.0	0.52	mg/Kg	20	☼	6020	Total/NA
Selenium	1.6		1.0	0.21	mg/Kg	20	☼	6020	Total/NA
Vanadium	40		1.0	0.52	mg/Kg	20	☼	6020	Total/NA
Zinc	27		10	5.2	mg/Kg	20	☼	6020	Total/NA
Mercury	0.017	J	0.021	0.012	mg/Kg	1	☼	7471A	Total/NA
Sample Homogenized	yes				NONE	1		Homogenization	Total/NA

Client Sample ID: WRSB216_0-0.5 — Lab Sample ID: 440-259163-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	8700		10	8.0	mg/Kg	5	☼	6010B	Total/NA
Calcium	4700		26	14	mg/Kg	5	☼	6010B	Total/NA
Iron	13000		10	7.1	mg/Kg	5	☼	6010B	Total/NA
Lithium	7.9		5.2	2.9	mg/Kg	5	☼	6010B	Total/NA
Magnesium	4500		10	5.2	mg/Kg	5	☼	6010B	Total/NA
Phosphorus	1200		5.2	2.6	mg/Kg	5	☼	6010B	Total/NA
Potassium	1700		65	34	mg/Kg	5	☼	6010B	Total/NA
Sodium	75		65	33	mg/Kg	5	☼	6010B	Total/NA
Strontium	48		5.2	2.6	mg/Kg	5	☼	6010B	Total/NA
Titanium	170		2.1	1.0	mg/Kg	5	☼	6010B	Total/NA
Antimony	0.53	J	1.0	0.28	mg/Kg	20	☼	6020	Total/NA
Arsenic	5.6		0.52	0.26	mg/Kg	20	☼	6020	Total/NA
Barium	80		0.52	0.26	mg/Kg	20	☼	6020	Total/NA
Beryllium	0.35		0.31	0.15	mg/Kg	20	☼	6020	Total/NA
Chromium	11		1.0	0.52	mg/Kg	20	☼	6020	Total/NA
Cobalt	9.0		0.52	0.22	mg/Kg	20	☼	6020	Total/NA
Copper	3200		5.2	2.6	mg/Kg	100	☼	6020	Total/NA
Lead	6.1		0.52	0.26	mg/Kg	20	☼	6020	Total/NA
Manganese	110		0.52	0.26	mg/Kg	20	☼	6020	Total/NA
Molybdenum	11		1.0	0.52	mg/Kg	20	☼	6020	Total/NA
Nickel	8.7		1.0	0.52	mg/Kg	20	☼	6020	Total/NA
Selenium	3.8		1.0	0.21	mg/Kg	20	☼	6020	Total/NA
Vanadium	28		1.0	0.52	mg/Kg	20	☼	6020	Total/NA
Zinc	22		10	5.2	mg/Kg	20	☼	6020	Total/NA
Mercury	0.090		0.021	0.013	mg/Kg	1	☼	7471A	Total/NA
Sample Homogenized	yes				NONE	1		Homogenization	Total/NA

Client Sample ID: WRSB216_0.5-3 — Lab Sample ID: 440-259163-21

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	9600		10	8.1	mg/Kg	5	☼	6010B	Total/NA
Calcium	3400		26	14	mg/Kg	5	☼	6010B	Total/NA
Iron	21000		10	7.2	mg/Kg	5	☼	6010B	Total/NA
Lithium	8.2		5.2	2.9	mg/Kg	5	☼	6010B	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

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

Job ID: 440-259163-1

Client Sample ID: WRSB216_0.5-3 (Continued) — Lab Sample ID: 440-259163-21

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Magnesium	5000		10	5.2	mg/Kg	5	☼	6010B	Total/NA
Phosphorus	690		5.2	2.6	mg/Kg	5	☼	6010B	Total/NA
Potassium	2000		66	34	mg/Kg	5	☼	6010B	Total/NA
Sodium	190		66	34	mg/Kg	5	☼	6010B	Total/NA
Strontium	52		5.2	2.6	mg/Kg	5	☼	6010B	Total/NA
Titanium	100		2.1	1.0	mg/Kg	5	☼	6010B	Total/NA
Antimony	1.6		1.0	0.28	mg/Kg	20	☼	6020	Total/NA
Arsenic	14		0.52	0.26	mg/Kg	20	☼	6020	Total/NA
Barium	100		0.52	0.26	mg/Kg	20	☼	6020	Total/NA
Beryllium	0.37		0.31	0.16	mg/Kg	20	☼	6020	Total/NA
Chromium	21		1.0	0.52	mg/Kg	20	☼	6020	Total/NA
Cobalt	8.9		0.52	0.22	mg/Kg	20	☼	6020	Total/NA
Copper	1700		1.0	0.52	mg/Kg	20	☼	6020	Total/NA
Lead	6.0		0.52	0.26	mg/Kg	20	☼	6020	Total/NA
Manganese	120		0.52	0.26	mg/Kg	20	☼	6020	Total/NA
Molybdenum	15		1.0	0.52	mg/Kg	20	☼	6020	Total/NA
Nickel	16		1.0	0.52	mg/Kg	20	☼	6020	Total/NA
Selenium	3.2		1.0	0.21	mg/Kg	20	☼	6020	Total/NA
Vanadium	29		1.0	0.52	mg/Kg	20	☼	6020	Total/NA
Zinc	24		10	5.2	mg/Kg	20	☼	6020	Total/NA
Mercury	0.18		0.021	0.013	mg/Kg	1	☼	7471A	Total/NA
Sample Homogenized	yes				NONE	1		Homogenization	Total/NA

Client Sample ID: WRSB216_3-6 — Lab Sample ID: 440-259163-22

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	8600		11	8.2	mg/Kg	5	☼	6010B	Total/NA
Calcium	2900		27	14	mg/Kg	5	☼	6010B	Total/NA
Iron	14000		11	7.3	mg/Kg	5	☼	6010B	Total/NA
Lithium	5.5		5.3	3.0	mg/Kg	5	☼	6010B	Total/NA
Magnesium	2500		11	5.3	mg/Kg	5	☼	6010B	Total/NA
Phosphorus	380		5.3	2.7	mg/Kg	5	☼	6010B	Total/NA
Potassium	1300		67	35	mg/Kg	5	☼	6010B	Total/NA
Sodium	220		67	34	mg/Kg	5	☼	6010B	Total/NA
Strontium	47		5.3	2.7	mg/Kg	5	☼	6010B	Total/NA
Titanium	110		2.1	1.1	mg/Kg	5	☼	6010B	Total/NA
Antimony	0.59	J	1.1	0.29	mg/Kg	20	☼	6020	Total/NA
Arsenic	13		0.53	0.27	mg/Kg	20	☼	6020	Total/NA
Barium	81		0.53	0.27	mg/Kg	20	☼	6020	Total/NA
Beryllium	0.42		0.32	0.16	mg/Kg	20	☼	6020	Total/NA
Chromium	7.4		1.1	0.53	mg/Kg	20	☼	6020	Total/NA
Cobalt	2.7		0.53	0.22	mg/Kg	20	☼	6020	Total/NA
Copper	570		1.1	0.53	mg/Kg	20	☼	6020	Total/NA
Lead	5.8		0.53	0.27	mg/Kg	20	☼	6020	Total/NA
Manganese	160		0.53	0.27	mg/Kg	20	☼	6020	Total/NA
Molybdenum	12		1.1	0.53	mg/Kg	20	☼	6020	Total/NA
Nickel	4.7		1.1	0.53	mg/Kg	20	☼	6020	Total/NA
Selenium	3.1		1.1	0.21	mg/Kg	20	☼	6020	Total/NA
Vanadium	24		1.1	0.53	mg/Kg	20	☼	6020	Total/NA
Zinc	24		11	5.3	mg/Kg	20	☼	6020	Total/NA
Mercury	0.028		0.021	0.013	mg/Kg	1	☼	7471A	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: WRSB216_3-6 (Continued) — Lab Sample ID: 440-259163-22

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sample Homogenized	yes				NONE	1		Homogenization	Total/NA

Client Sample ID: WRSB216_6-15 — Lab Sample ID: 440-259163-23

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	11000		11	8.2	mg/Kg	5	☼	6010B	Total/NA
Boron	4.2	J	5.3	2.7	mg/Kg	5	☼	6010B	Total/NA
Calcium	3800		27	14	mg/Kg	5	☼	6010B	Total/NA
Iron	17000		11	7.3	mg/Kg	5	☼	6010B	Total/NA
Lithium	8.1		5.3	3.0	mg/Kg	5	☼	6010B	Total/NA
Magnesium	3300		11	5.3	mg/Kg	5	☼	6010B	Total/NA
Phosphorus	460	F2	5.3	2.7	mg/Kg	5	☼	6010B	Total/NA
Potassium	1900	F1	66	35	mg/Kg	5	☼	6010B	Total/NA
Sodium	240		66	34	mg/Kg	5	☼	6010B	Total/NA
Strontium	60		5.3	2.7	mg/Kg	5	☼	6010B	Total/NA
Titanium	240		2.1	1.1	mg/Kg	5	☼	6010B	Total/NA
Antimony	0.52	J F1	1.1	0.29	mg/Kg	20	☼	6020	Total/NA
Arsenic	9.2		0.53	0.27	mg/Kg	20	☼	6020	Total/NA
Barium	100		0.53	0.27	mg/Kg	20	☼	6020	Total/NA
Beryllium	0.54		0.32	0.16	mg/Kg	20	☼	6020	Total/NA
Chromium	7.3		1.1	0.53	mg/Kg	20	☼	6020	Total/NA
Cobalt	4.5		0.53	0.22	mg/Kg	20	☼	6020	Total/NA
Copper	830	F2	1.1	0.53	mg/Kg	20	☼	6020	Total/NA
Lead	6.4		0.53	0.27	mg/Kg	20	☼	6020	Total/NA
Manganese	280		0.53	0.27	mg/Kg	20	☼	6020	Total/NA
Molybdenum	5.3		1.1	0.53	mg/Kg	20	☼	6020	Total/NA
Nickel	5.9		1.1	0.53	mg/Kg	20	☼	6020	Total/NA
Selenium	2.6		1.1	0.21	mg/Kg	20	☼	6020	Total/NA
Vanadium	28		1.1	0.53	mg/Kg	20	☼	6020	Total/NA
Zinc	30		11	5.3	mg/Kg	20	☼	6020	Total/NA
Mercury	0.069		0.021	0.013	mg/Kg	1	☼	7471A	Total/NA
Sample Homogenized	yes				NONE	1		Homogenization	Total/NA

Client Sample ID: WRSB208_136.5-141.5 — Lab Sample ID: 440-259163-24

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	7600		10	8.0	mg/Kg	5	☼	6010B	Total/NA
Boron	5.1	J	5.2	2.6	mg/Kg	5	☼	6010B	Total/NA
Calcium	7200		26	14	mg/Kg	5	☼	6010B	Total/NA
Iron	14000		10	7.2	mg/Kg	5	☼	6010B	Total/NA
Lithium	7.5		5.2	2.9	mg/Kg	5	☼	6010B	Total/NA
Magnesium	3500		10	5.2	mg/Kg	5	☼	6010B	Total/NA
Phosphorus	660		5.2	2.6	mg/Kg	5	☼	6010B	Total/NA
Potassium	1400		65	34	mg/Kg	5	☼	6010B	Total/NA
Sodium	500		65	33	mg/Kg	5	☼	6010B	Total/NA
Strontium	52		5.2	2.6	mg/Kg	5	☼	6010B	Total/NA
Titanium	450		2.1	1.0	mg/Kg	5	☼	6010B	Total/NA
Arsenic	4.2		0.52	0.26	mg/Kg	20	☼	6020	Total/NA
Barium	61		0.52	0.26	mg/Kg	20	☼	6020	Total/NA
Beryllium	0.31		0.31	0.16	mg/Kg	20	☼	6020	Total/NA
Chromium	9.3		1.0	0.52	mg/Kg	20	☼	6020	Total/NA
Cobalt	4.4		0.52	0.22	mg/Kg	20	☼	6020	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: WRSB208_136.5-141.5 (Continued) — Lab Sample ID: 440-259163-24

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Copper	160		1.0	0.52	mg/Kg	20	☼	6020	Total/NA
Lead	3.4		0.52	0.26	mg/Kg	20	☼	6020	Total/NA
Manganese	200		0.52	0.26	mg/Kg	20	☼	6020	Total/NA
Molybdenum	1.6		1.0	0.52	mg/Kg	20	☼	6020	Total/NA
Nickel	6.1		1.0	0.52	mg/Kg	20	☼	6020	Total/NA
Selenium	1.0		1.0	0.21	mg/Kg	20	☼	6020	Total/NA
Vanadium	34		1.0	0.52	mg/Kg	20	☼	6020	Total/NA
Zinc	21		10	5.2	mg/Kg	20	☼	6020	Total/NA
Mercury	0.015	J	0.020	0.012	mg/Kg	1	☼	7471A	Total/NA
Sample Homogenized	yes				NONE	1		Homogenization	Total/NA

Client Sample ID: WRSB208_146.5-151.5 — Lab Sample ID: 440-259163-25

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	8800		10	7.8	mg/Kg	5	☼	6010B	Total/NA
Boron	2.5	J	5.0	2.5	mg/Kg	5	☼	6010B	Total/NA
Calcium	3000		25	14	mg/Kg	5	☼	6010B	Total/NA
Iron	13000		10	7.0	mg/Kg	5	☼	6010B	Total/NA
Lithium	8.6		5.0	2.8	mg/Kg	5	☼	6010B	Total/NA
Magnesium	2400		10	5.0	mg/Kg	5	☼	6010B	Total/NA
Phosphorus	400		5.0	2.5	mg/Kg	5	☼	6010B	Total/NA
Potassium	1100		63	33	mg/Kg	5	☼	6010B	Total/NA
Sodium	220		63	32	mg/Kg	5	☼	6010B	Total/NA
Strontium	36		5.0	2.5	mg/Kg	5	☼	6010B	Total/NA
Titanium	290		2.0	1.0	mg/Kg	5	☼	6010B	Total/NA
Arsenic	3.5		0.50	0.25	mg/Kg	20	☼	6020	Total/NA
Barium	74		0.50	0.25	mg/Kg	20	☼	6020	Total/NA
Beryllium	0.41		0.30	0.15	mg/Kg	20	☼	6020	Total/NA
Chromium	8.6		1.0	0.50	mg/Kg	20	☼	6020	Total/NA
Cobalt	3.4		0.50	0.21	mg/Kg	20	☼	6020	Total/NA
Copper	28		1.0	0.50	mg/Kg	20	☼	6020	Total/NA
Lead	4.7		0.50	0.25	mg/Kg	20	☼	6020	Total/NA
Manganese	170		0.50	0.25	mg/Kg	20	☼	6020	Total/NA
Molybdenum	0.56	J	1.0	0.50	mg/Kg	20	☼	6020	Total/NA
Nickel	4.8		1.0	0.50	mg/Kg	20	☼	6020	Total/NA
Selenium	1.7		1.0	0.20	mg/Kg	20	☼	6020	Total/NA
Vanadium	30		1.0	0.50	mg/Kg	20	☼	6020	Total/NA
Zinc	27		10	5.0	mg/Kg	20	☼	6020	Total/NA
Sample Homogenized	yes				NONE	1		Homogenization	Total/NA

Client Sample ID: WRSB215_0-0.5 — Lab Sample ID: 440-259163-26

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	8100		10	8.0	mg/Kg	5	☼	6010B	Total/NA
Boron	3.2	J	5.2	2.6	mg/Kg	5	☼	6010B	Total/NA
Calcium	3300		26	14	mg/Kg	5	☼	6010B	Total/NA
Iron	15000		10	7.2	mg/Kg	5	☼	6010B	Total/NA
Lithium	7.3		5.2	2.9	mg/Kg	5	☼	6010B	Total/NA
Magnesium	2600		10	5.2	mg/Kg	5	☼	6010B	Total/NA
Phosphorus	450		5.2	2.6	mg/Kg	5	☼	6010B	Total/NA
Potassium	1200		65	34	mg/Kg	5	☼	6010B	Total/NA
Sodium	390		65	33	mg/Kg	5	☼	6010B	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

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

Job ID: 440-259163-1

Client Sample ID: WRSB215_0-0.5 (Continued) — Lab Sample ID: 440-259163-26

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Strontium	52		5.2	2.6	mg/Kg	5	☼	6010B	Total/NA
Titanium	450		2.1	1.0	mg/Kg	5	☼	6010B	Total/NA
Antimony	0.32	J	1.0	0.28	mg/Kg	20	☼	6020	Total/NA
Arsenic	6.8		0.52	0.26	mg/Kg	20	☼	6020	Total/NA
Barium	97		0.52	0.26	mg/Kg	20	☼	6020	Total/NA
Beryllium	0.46		0.31	0.16	mg/Kg	20	☼	6020	Total/NA
Chromium	8.8		1.0	0.52	mg/Kg	20	☼	6020	Total/NA
Cobalt	4.3		0.52	0.22	mg/Kg	20	☼	6020	Total/NA
Copper	35		1.0	0.52	mg/Kg	20	☼	6020	Total/NA
Lead	4.7		0.52	0.26	mg/Kg	20	☼	6020	Total/NA
Manganese	360		0.52	0.26	mg/Kg	20	☼	6020	Total/NA
Nickel	5.6		1.0	0.52	mg/Kg	20	☼	6020	Total/NA
Selenium	1.4		1.0	0.21	mg/Kg	20	☼	6020	Total/NA
Vanadium	37		1.0	0.52	mg/Kg	20	☼	6020	Total/NA
Zinc	28		10	5.2	mg/Kg	20	☼	6020	Total/NA
Mercury	0.015	J	0.021	0.012	mg/Kg	1	☼	7471A	Total/NA
Sample Homogenized	yes				NONE	1		Homogenization	Total/NA

Client Sample ID: WRSB215_0.5-3 — Lab Sample ID: 440-259163-27

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	9100		10	8.0	mg/Kg	5	☼	6010B	Total/NA
Boron	9.1		5.2	2.6	mg/Kg	5	☼	6010B	Total/NA
Calcium	7900		26	14	mg/Kg	5	☼	6010B	Total/NA
Iron	15000		10	7.2	mg/Kg	5	☼	6010B	Total/NA
Lithium	9.0		5.2	2.9	mg/Kg	5	☼	6010B	Total/NA
Magnesium	3700		10	5.2	mg/Kg	5	☼	6010B	Total/NA
Phosphorus	530		5.2	2.6	mg/Kg	5	☼	6010B	Total/NA
Potassium	1400		65	34	mg/Kg	5	☼	6010B	Total/NA
Sodium	900		65	33	mg/Kg	5	☼	6010B	Total/NA
Strontium	70		5.2	2.6	mg/Kg	5	☼	6010B	Total/NA
Titanium	430		2.1	1.0	mg/Kg	5	☼	6010B	Total/NA
Antimony	0.37	J	1.0	0.28	mg/Kg	20	☼	6020	Total/NA
Arsenic	6.0		0.52	0.26	mg/Kg	20	☼	6020	Total/NA
Barium	94		0.52	0.26	mg/Kg	20	☼	6020	Total/NA
Beryllium	0.37		0.31	0.16	mg/Kg	20	☼	6020	Total/NA
Chromium	11		1.0	0.52	mg/Kg	20	☼	6020	Total/NA
Cobalt	4.6		0.52	0.22	mg/Kg	20	☼	6020	Total/NA
Copper	200		1.0	0.52	mg/Kg	20	☼	6020	Total/NA
Lead	3.9		0.52	0.26	mg/Kg	20	☼	6020	Total/NA
Manganese	220		0.52	0.26	mg/Kg	20	☼	6020	Total/NA
Molybdenum	1.6		1.0	0.52	mg/Kg	20	☼	6020	Total/NA
Nickel	6.3		1.0	0.52	mg/Kg	20	☼	6020	Total/NA
Selenium	1.1		1.0	0.21	mg/Kg	20	☼	6020	Total/NA
Vanadium	34		1.0	0.52	mg/Kg	20	☼	6020	Total/NA
Zinc	23		10	5.2	mg/Kg	20	☼	6020	Total/NA
Sample Homogenized	yes				NONE	1		Homogenization	Total/NA

Client Sample ID: WRSB215_3-6 — Lab Sample ID: 440-259163-28

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	8500		10	8.1	mg/Kg	5	☼	6010B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: WRSB215_3-6 (Continued) — Lab Sample ID: 440-259163-28

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Boron	4.7	J	5.2	2.6	mg/Kg	5	☼	6010B	Total/NA
Calcium	5000		26	14	mg/Kg	5	☼	6010B	Total/NA
Iron	14000		10	7.2	mg/Kg	5	☼	6010B	Total/NA
Lithium	7.0		5.2	2.9	mg/Kg	5	☼	6010B	Total/NA
Magnesium	2900		10	5.2	mg/Kg	5	☼	6010B	Total/NA
Phosphorus	470		5.2	2.6	mg/Kg	5	☼	6010B	Total/NA
Potassium	1300		65	34	mg/Kg	5	☼	6010B	Total/NA
Sodium	570		65	34	mg/Kg	5	☼	6010B	Total/NA
Strontium	51		5.2	2.6	mg/Kg	5	☼	6010B	Total/NA
Titanium	410		2.1	1.0	mg/Kg	5	☼	6010B	Total/NA
Antimony	0.29	J	1.0	0.28	mg/Kg	20	☼	6020	Total/NA
Arsenic	4.2		0.52	0.26	mg/Kg	20	☼	6020	Total/NA
Barium	81		0.52	0.26	mg/Kg	20	☼	6020	Total/NA
Beryllium	0.44		0.31	0.16	mg/Kg	20	☼	6020	Total/NA
Chromium	7.8		1.0	0.52	mg/Kg	20	☼	6020	Total/NA
Cobalt	4.9		0.52	0.22	mg/Kg	20	☼	6020	Total/NA
Copper	38		1.0	0.52	mg/Kg	20	☼	6020	Total/NA
Lead	4.2		0.52	0.26	mg/Kg	20	☼	6020	Total/NA
Manganese	280		0.52	0.26	mg/Kg	20	☼	6020	Total/NA
Nickel	5.2		1.0	0.52	mg/Kg	20	☼	6020	Total/NA
Selenium	1.3		1.0	0.21	mg/Kg	20	☼	6020	Total/NA
Vanadium	35		1.0	0.52	mg/Kg	20	☼	6020	Total/NA
Zinc	27		10	5.2	mg/Kg	20	☼	6020	Total/NA
Mercury	0.014	J	0.021	0.013	mg/Kg	1	☼	7471A	Total/NA
Sample Homogenized	yes				NONE	1		Homogenization	Total/NA

Client Sample ID: FB13 — Lab Sample ID: 440-259163-29

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	0.076	J	0.10	0.050	mg/L	1		6010B	Total Recoverable
Copper	3.2		3.0	1.9	ug/L	2		6020A	Total/NA

Client Sample ID: WRSB215_6-15 — Lab Sample ID: 440-259163-30

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	8400		10	7.9	mg/Kg	5	☼	6010B	Total/NA
Boron	4.3	J	5.1	2.6	mg/Kg	5	☼	6010B	Total/NA
Calcium	5000		26	14	mg/Kg	5	☼	6010B	Total/NA
Iron	15000		10	7.1	mg/Kg	5	☼	6010B	Total/NA
Lithium	7.6		5.1	2.9	mg/Kg	5	☼	6010B	Total/NA
Magnesium	3200		10	5.1	mg/Kg	5	☼	6010B	Total/NA
Phosphorus	450		5.1	2.6	mg/Kg	5	☼	6010B	Total/NA
Potassium	1300		64	33	mg/Kg	5	☼	6010B	Total/NA
Sodium	440		64	33	mg/Kg	5	☼	6010B	Total/NA
Strontium	53		5.1	2.6	mg/Kg	5	☼	6010B	Total/NA
Titanium	360		2.1	1.0	mg/Kg	5	☼	6010B	Total/NA
Antimony	0.34	J	1.0	0.28	mg/Kg	20	☼	6020	Total/NA
Arsenic	4.6		0.51	0.26	mg/Kg	20	☼	6020	Total/NA
Barium	83		0.51	0.26	mg/Kg	20	☼	6020	Total/NA
Beryllium	0.42		0.31	0.15	mg/Kg	20	☼	6020	Total/NA
Chromium	8.3		1.0	0.51	mg/Kg	20	☼	6020	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

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

Job ID: 440-259163-1

Client Sample ID: WRSB215_6-15 (Continued)

Lab Sample ID: 440-259163-30

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cobalt	4.8		0.51	0.22	mg/Kg	20	☼	6020	Total/NA
Copper	52		1.0	0.51	mg/Kg	20	☼	6020	Total/NA
Lead	4.2		0.51	0.26	mg/Kg	20	☼	6020	Total/NA
Manganese	290		0.51	0.26	mg/Kg	20	☼	6020	Total/NA
Molybdenum	0.65	J	1.0	0.51	mg/Kg	20	☼	6020	Total/NA
Nickel	6.0		1.0	0.51	mg/Kg	20	☼	6020	Total/NA
Selenium	1.4		1.0	0.21	mg/Kg	20	☼	6020	Total/NA
Vanadium	34		1.0	0.51	mg/Kg	20	☼	6020	Total/NA
Zinc	27		10	5.1	mg/Kg	20	☼	6020	Total/NA
Mercury	0.023		0.021	0.013	mg/Kg	1	☼	7471A	Total/NA
Sample Homogenized	yes				NONE	1		Homogenization	Total/NA

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: 440-259163-1

Client Sample ID: WRSB225_0-0.5

Lab Sample ID: 440-259163-1
Date Collected: 01/09/20 13:27
Matrix: Solid
Date Received: 01/16/20 10:00
Percent Solids: 91.3

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	8600		11	8.6	mg/Kg	☼	01/20/20 08:55	01/20/20 18:48	5
Boron	4.1	J	5.6	2.8	mg/Kg	☼	01/20/20 08:55	01/20/20 18:48	5
Calcium	11000		28	15	mg/Kg	☼	01/20/20 08:55	01/20/20 18:48	5
Iron	16000		11	7.7	mg/Kg	☼	01/20/20 08:55	01/20/20 18:48	5
Lithium	9.0		5.6	3.1	mg/Kg	☼	01/20/20 08:55	01/20/20 18:48	5
Magnesium	4400		11	5.6	mg/Kg	☼	01/20/20 08:55	01/20/20 18:48	5
Phosphorus	700		5.6	2.8	mg/Kg	☼	01/20/20 08:55	01/20/20 18:48	5
Potassium	1500		69	36	mg/Kg	☼	01/20/20 08:55	01/20/20 18:48	5
Sodium	170		69	36	mg/Kg	☼	01/20/20 08:55	01/20/20 18:48	5
Strontium	53		5.6	2.8	mg/Kg	☼	01/20/20 08:55	01/20/20 18:48	5
Tin	ND		11	5.6	mg/Kg	☼	01/20/20 08:55	01/20/20 18:48	5
Titanium	350		2.2	1.1	mg/Kg	☼	01/20/20 08:55	01/20/20 18:48	5

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.36	J	1.1	0.30	mg/Kg	☼	01/20/20 08:55	01/20/20 15:28	20
Arsenic	4.5		0.56	0.28	mg/Kg	☼	01/20/20 08:55	01/20/20 15:28	20
Barium	75		0.56	0.28	mg/Kg	☼	01/20/20 08:55	01/20/20 15:28	20
Beryllium	0.40		0.33	0.17	mg/Kg	☼	01/20/20 08:55	01/20/20 15:28	20
Cadmium	ND		0.56	0.28	mg/Kg	☼	01/20/20 08:55	01/20/20 15:28	20
Chromium	11		1.1	0.56	mg/Kg	☼	01/20/20 08:55	01/20/20 15:28	20
Cobalt	4.8		0.56	0.23	mg/Kg	☼	01/20/20 08:55	01/20/20 15:28	20
Copper	460		1.1	0.56	mg/Kg	☼	01/20/20 08:55	01/20/20 15:28	20
Lead	3.8		0.56	0.28	mg/Kg	☼	01/20/20 08:55	01/20/20 15:28	20
Manganese	190		0.56	0.28	mg/Kg	☼	01/20/20 08:55	01/20/20 15:28	20
Molybdenum	1.3		1.1	0.56	mg/Kg	☼	01/20/20 08:55	01/20/20 15:28	20
Nickel	7.1		1.1	0.56	mg/Kg	☼	01/20/20 08:55	01/20/20 15:28	20
Selenium	1.8		1.1	0.22	mg/Kg	☼	01/20/20 08:55	01/20/20 15:28	20
Silver	ND		0.56	0.11	mg/Kg	☼	01/20/20 08:55	01/20/20 15:28	20
Thallium	ND		0.56	0.28	mg/Kg	☼	01/20/20 08:55	01/20/20 15:28	20
Vanadium	37		1.1	0.56	mg/Kg	☼	01/20/20 08:55	01/20/20 15:28	20
Zinc	27		11	5.6	mg/Kg	☼	01/20/20 08:55	01/20/20 15:28	20

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.022	0.013	mg/Kg	☼	01/22/20 11:23	01/22/20 20:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sample Homogenized	yes				NONE			01/17/20 17:19	1
Percent Moisture	8.7		0.1	0.1	%			01/17/20 17:28	1

Client Sample ID: WRSB225_0.5-3

Lab Sample ID: 440-259163-2
Date Collected: 01/09/20 13:33
Matrix: Solid
Date Received: 01/16/20 10:00
Percent Solids: 94.8

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	8200		11	8.2	mg/Kg	☼	01/20/20 08:55	01/20/20 18:50	5
Boron	4.4	J	5.3	2.7	mg/Kg	☼	01/20/20 08:55	01/20/20 18:50	5
Calcium	9700		27	14	mg/Kg	☼	01/20/20 08:55	01/20/20 18:50	5

Client Sample ID: WRSB225_0.5-3

Lab Sample ID: 440-259163-2
Date Collected: 01/09/20 13:33
Matrix: Solid
Date Received: 01/16/20 10:00
Percent Solids: 94.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	13000		11	7.3	mg/Kg	☼	01/20/20 08:55	01/20/20 18:50	5
Lithium	7.3		5.3	3.0	mg/Kg	☼	01/20/20 08:55	01/20/20 18:50	5
Magnesium	3600		11	5.3	mg/Kg	☼	01/20/20 08:55	01/20/20 18:50	5
Phosphorus	590		5.3	2.7	mg/Kg	☼	01/20/20 08:55	01/20/20 18:50	5
Potassium	1400		66	34	mg/Kg	☼	01/20/20 08:55	01/20/20 18:50	5
Sodium	310		66	34	mg/Kg	☼	01/20/20 08:55	01/20/20 18:50	5
Strontium	66		5.3	2.7	mg/Kg	☼	01/20/20 08:55	01/20/20 18:50	5
Tin	ND		11	5.3	mg/Kg	☼	01/20/20 08:55	01/20/20 18:50	5
Titanium	290		2.1	1.1	mg/Kg	☼	01/20/20 08:55	01/20/20 18:50	5

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.34	J	1.1	0.29	mg/Kg	☼	01/20/20 08:55	01/20/20 15:30	20
Arsenic	5.2		0.53	0.27	mg/Kg	☼	01/20/20 08:55	01/20/20 15:30	20
Barium	87		0.53	0.27	mg/Kg	☼	01/20/20 08:55	01/20/20 15:30	20
Beryllium	0.44		0.32	0.16	mg/Kg	☼	01/20/20 08:55	01/20/20 15:30	20
Cadmium	ND		0.53	0.27	mg/Kg	☼	01/20/20 08:55	01/20/20 15:30	20
Chromium	7.0		1.1	0.53	mg/Kg	☼	01/20/20 08:55	01/20/20 15:30	20
Cobalt	4.7		0.53	0.22	mg/Kg	☼	01/20/20 08:55	01/20/20 15:30	20
Copper	130		1.1	0.53	mg/Kg	☼	01/20/20 08:55	01/20/20 15:30	20
Lead	4.4		0.53	0.27	mg/Kg	☼	01/20/20 08:55	01/20/20 15:30	20
Manganese	220		0.53	0.27	mg/Kg	☼	01/20/20 08:55	01/20/20 15:30	20
Molybdenum	0.93	J	1.1	0.53	mg/Kg	☼	01/20/20 08:55	01/20/20 15:30	20
Nickel	5.6		1.1	0.53	mg/Kg	☼	01/20/20 08:55	01/20/20 15:30	20
Selenium	1.5		1.1	0.21	mg/Kg	☼	01/20/20 08:55	01/20/20 15:30	20
Silver	ND		0.53	0.11	mg/Kg	☼	01/20/20 08:55	01/20/20 15:30	20
Thallium	ND		0.53	0.27	mg/Kg	☼	01/20/20 08:55	01/20/20 15:30	20
Vanadium	31		1.1	0.53	mg/Kg	☼	01/20/20 08:55	01/20/20 15:30	20
Zinc	28		11	5.3	mg/Kg	☼	01/20/20 08:55	01/20/20 15:30	20

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.022	0.013	mg/Kg	☼	01/22/20 11:23	01/22/20 20:32	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sample Homogenized	yes				NONE			01/17/20 17:19	1
Percent Moisture	5.2		0.1	0.1	%			01/17/20 17:28	1

Client Sample ID: WRSB225_3-6

Lab Sample ID: 440-259163-3
Date Collected: 01/09/20 13:42
Matrix: Solid
Date Received: 01/16/20 10:00
Percent Solids: 95.6

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	9900		10	8.0	mg/Kg	☼	01/20/20 08:55	01/20/20 18:52	5
Boron	5.4		5.2	2.6	mg/Kg	☼	01/20/20 08:55	01/20/20 18:52	5
Calcium	8300		26	14	mg/Kg	☼	01/20/20 08:55	01/20/20 18:52	5
Iron	14000		10	7.2	mg/Kg	☼	01/20/20 08:55	01/20/20 18:52	5
Lithium	7.9		5.2	2.9	mg/Kg	☼	01/20/20 08:55	01/20/20 18:52	5
Magnesium	3900		10	5.2	mg/Kg	☼	01/20/20 08:55	01/20/20 18:52	5

Client Sample Results

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

Job ID: 440-259163-1

Client Sample ID: WRSB225_3-6

Lab Sample ID: 440-259163-3
Date Collected: 01/09/20 13:42
Matrix: Solid
Date Received: 01/16/20 10:00
Percent Solids: 95.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phosphorus	450		5.2	2.6	mg/Kg	☼	01/20/20 08:55	01/20/20 18:52	5
Potassium	1700		65	34	mg/Kg	☼	01/20/20 08:55	01/20/20 18:52	5
Sodium	420		65	33	mg/Kg	☼	01/20/20 08:55	01/20/20 18:52	5
Strontium	71		5.2	2.6	mg/Kg	☼	01/20/20 08:55	01/20/20 18:52	5
Tin	ND		10	5.2	mg/Kg	☼	01/20/20 08:55	01/20/20 18:52	5
Titanium	350		2.1	1.0	mg/Kg	☼	01/20/20 08:55	01/20/20 18:52	5

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.37	J	1.0	0.28	mg/Kg	☼	01/20/20 08:55	01/20/20 15:32	20
Arsenic	5.2		0.52	0.26	mg/Kg	☼	01/20/20 08:55	01/20/20 15:32	20
Barium	80		0.52	0.26	mg/Kg	☼	01/20/20 08:55	01/20/20 15:32	20
Beryllium	0.44		0.31	0.16	mg/Kg	☼	01/20/20 08:55	01/20/20 15:32	20
Cadmium	ND		0.52	0.26	mg/Kg	☼	01/20/20 08:55	01/20/20 15:32	20
Chromium	8.5		1.0	0.52	mg/Kg	☼	01/20/20 08:55	01/20/20 15:32	20
Cobalt	4.8		0.52	0.22	mg/Kg	☼	01/20/20 08:55	01/20/20 15:32	20
Copper	75		1.0	0.52	mg/Kg	☼	01/20/20 08:55	01/20/20 15:32	20
Lead	4.8		0.52	0.26	mg/Kg	☼	01/20/20 08:55	01/20/20 15:32	20
Manganese	230		0.52	0.26	mg/Kg	☼	01/20/20 08:55	01/20/20 15:32	20
Molybdenum	0.77	J	1.0	0.52	mg/Kg	☼	01/20/20 08:55	01/20/20 15:32	20
Nickel	6.3		1.0	0.52	mg/Kg	☼	01/20/20 08:55	01/20/20 15:32	20
Selenium	1.2		1.0	0.21	mg/Kg	☼	01/20/20 08:55	01/20/20 15:32	20
Silver	ND		0.52	0.10	mg/Kg	☼	01/20/20 08:55	01/20/20 15:32	20
Thallium	ND		0.52	0.26	mg/Kg	☼	01/20/20 08:55	01/20/20 15:32	20
Vanadium	34		1.0	0.52	mg/Kg	☼	01/20/20 08:55	01/20/20 15:32	20
Zinc	27		10	5.2	mg/Kg	☼	01/20/20 08:55	01/20/20 15:32	20

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.021	0.013	mg/Kg	☼	01/22/20 11:23	01/22/20 20:34	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sample Homogenized	yes				NONE			01/17/20 17:19	1
Percent Moisture	4.4		0.1	0.1	%			01/17/20 17:28	1

Client Sample ID: WRSB225_6-15

Lab Sample ID: 440-259163-4
Date Collected: 01/09/20 13:49
Matrix: Solid
Date Received: 01/16/20 10:00
Percent Solids: 95.2

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	11000		10	8.0	mg/Kg	☼	01/20/20 08:55	01/20/20 18:55	5
Boron	6.5		5.2	2.6	mg/Kg	☼	01/20/20 08:55	01/20/20 18:55	5
Calcium	6600		26	14	mg/Kg	☼	01/20/20 08:55	01/20/20 18:55	5
Iron	19000		10	7.2	mg/Kg	☼	01/20/20 08:55	01/20/20 18:55	5
Lithium	9.5		5.2	2.9	mg/Kg	☼	01/20/20 08:55	01/20/20 18:55	5
Magnesium	4300		10	5.2	mg/Kg	☼	01/20/20 08:55	01/20/20 18:55	5
Phosphorus	850		5.2	2.6	mg/Kg	☼	01/20/20 08:55	01/20/20 18:55	5
Potassium	1800		65	34	mg/Kg	☼	01/20/20 08:55	01/20/20 18:55	5
Sodium	530		65	33	mg/Kg	☼	01/20/20 08:55	01/20/20 18:55	5

Client Sample ID: WRSB225_6-15

Lab Sample ID: 440-259163-4
Date Collected: 01/09/20 13:49
Matrix: Solid
Date Received: 01/16/20 10:00
Percent Solids: 95.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Strontium	80		5.2	2.6	mg/Kg	☼	01/20/20 08:55	01/20/20 18:55	5
Tin	ND		10	5.2	mg/Kg	☼	01/20/20 08:55	01/20/20 18:55	5
Titanium	380		2.1	1.0	mg/Kg	☼	01/20/20 08:55	01/20/20 18:55	5

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.79	J	1.0	0.28	mg/Kg	☼	01/20/20 08:55	01/20/20 15:34	20
Arsenic	9.2		0.52	0.26	mg/Kg	☼	01/20/20 08:55	01/20/20 15:34	20
Barium	120		0.52	0.26	mg/Kg	☼	01/20/20 08:55	01/20/20 15:34	20
Beryllium	0.50		0.31	0.16	mg/Kg	☼	01/20/20 08:55	01/20/20 15:34	20
Cadmium	ND		0.52	0.26	mg/Kg	☼	01/20/20 08:55	01/20/20 15:34	20
Chromium	9.3		1.0	0.52	mg/Kg	☼	01/20/20 08:55	01/20/20 15:34	20
Cobalt	5.3		0.52	0.22	mg/Kg	☼	01/20/20 08:55	01/20/20 15:34	20
Copper	830		1.0	0.52	mg/Kg	☼	01/20/20 08:55	01/20/20 15:34	20
Lead	5.5		0.52	0.26	mg/Kg	☼	01/20/20 08:55	01/20/20 15:34	20
Manganese	300		0.52	0.26	mg/Kg	☼	01/20/20 08:55	01/20/20 15:34	20
Molybdenum	1.9		1.0	0.52	mg/Kg	☼	01/20/20 08:55	01/20/20 15:34	20
Nickel	7.6		1.0	0.52	mg/Kg	☼	01/20/20 08:55	01/20/20 15:34	20
Selenium	2.8		1.0	0.21	mg/Kg	☼	01/20/20 08:55	01/20/20 15:34	20
Silver	ND		0.52	0.10	mg/Kg	☼	01/20/20 08:55	01/20/20 15:34	20
Thallium	ND		0.52	0.26	mg/Kg	☼	01/20/20 08:55	01/20/20 15:34	20
Vanadium	40		1.0	0.52	mg/Kg	☼	01/20/20 08:55	01/20/20 15:34	20
Zinc	28		10	5.2	mg/Kg	☼	01/20/20 08:55	01/20/20 15:34	20

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.042		0.021	0.013	mg/Kg	☼	01/22/20 11:23	01/22/20 20:41	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sample Homogenized	yes				NONE			01/17/20 17:19	1
Percent Moisture	4.8		0.1	0.1	%			01/17/20 17:28	1

Client Sample ID: WRSB221_0-0.5

Lab Sample ID: 440-259163-5
Date Collected: 01/10/20 09:12
Matrix: Solid
Date Received: 01/16/20 10:00
Percent Solids: 96.4

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	8500		10	8.1	mg/Kg	☼	01/20/20 08:55	01/20/20 18:57	5
Boron	5.5		5.2	2.6	mg/Kg	☼	01/20/20 08:55	01/20/20 18:57	5
Calcium	7100		26	14	mg/Kg	☼	01/20/20 08:55	01/20/20 18:57	5
Iron	15000		10	7.2	mg/Kg	☼	01/20/20 08:55	01/20/20 18:57	5
Lithium	9.6		5.2	2.9	mg/Kg	☼	01/20/20 08:55	01/20/20 18:57	5
Magnesium	3600		10	5.2	mg/Kg	☼	01/20/20 08:55	01/20/20 18:57	5
Phosphorus	520		5.2	2.6	mg/Kg	☼	01/20/20 08:55	01/20/20 18:57	5
Potassium	1400		66	34	mg/Kg	☼	01/20/20 08:55	01/20/20 18:57	5
Sodium	220		66	34	mg/Kg	☼	01/20/20 08:55	01/20/20 18:57	5
Strontium	56		5.2	2.6	mg/Kg	☼	01/20/20 08:55	01/20/20 18:57	5
Tin	ND		10	5.2	mg/Kg	☼	01/20/20 08:55	01/20/20 18:57	5
Titanium	410		2.1	1.0	mg/Kg	☼	01/20/20 08:55	01/20/20 18:57	5

Client Sample Results

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

Job ID: 440-259163-1

Client Sample ID: WRSB221_0-0.5

Lab Sample ID: 440-259163-5
Date Collected: 01/10/20 09:12
Matrix: Solid
Date Received: 01/16/20 10:00
Percent Solids: 96.4

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.36	J	1.0	0.28	mg/Kg	☼	01/20/20 08:55	01/20/20 15:36	20
Arsenic	5.8		0.52	0.26	mg/Kg	☼	01/20/20 08:55	01/20/20 15:36	20
Barium	78		0.52	0.26	mg/Kg	☼	01/20/20 08:55	01/20/20 15:36	20
Beryllium	0.36		0.31	0.16	mg/Kg	☼	01/20/20 08:55	01/20/20 15:36	20
Cadmium	ND		0.52	0.26	mg/Kg	☼	01/20/20 08:55	01/20/20 15:36	20
Chromium	8.7		1.0	0.52	mg/Kg	☼	01/20/20 08:55	01/20/20 15:36	20
Cobalt	6.0		0.52	0.22	mg/Kg	☼	01/20/20 08:55	01/20/20 15:36	20
Copper	150		1.0	0.52	mg/Kg	☼	01/20/20 08:55	01/20/20 15:36	20
Lead	5.0		0.52	0.26	mg/Kg	☼	01/20/20 08:55	01/20/20 15:36	20
Manganese	240		0.52	0.26	mg/Kg	☼	01/20/20 08:55	01/20/20 15:36	20
Molybdenum	0.96	J	1.0	0.52	mg/Kg	☼	01/20/20 08:55	01/20/20 15:36	20
Nickel	6.6		1.0	0.52	mg/Kg	☼	01/20/20 08:55	01/20/20 15:36	20
Selenium	1.5		1.0	0.21	mg/Kg	☼	01/20/20 08:55	01/20/20 15:36	20
Silver	ND		0.52	0.10	mg/Kg	☼	01/20/20 08:55	01/20/20 15:36	20
Thallium	ND		0.52	0.26	mg/Kg	☼	01/20/20 08:55	01/20/20 15:36	20
Vanadium	36		1.0	0.52	mg/Kg	☼	01/20/20 08:55	01/20/20 15:36	20
Zinc	28		10	5.2	mg/Kg	☼	01/20/20 08:55	01/20/20 15:36	20

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.021	0.012	mg/Kg	☼	01/22/20 11:23	01/22/20 20:43	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sample Homogenized	yes				NONE			01/17/20 17:19	1
Percent Moisture	3.6		0.1	0.1	%			01/17/20 17:28	1

Client Sample ID: FB12

Lab Sample ID: 440-259163-6
Date Collected: 01/10/20 09:15
Matrix: Water
Date Received: 01/16/20 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		01/17/20 05:18	01/17/20 16:24	1
Boron	ND		50	25	ug/L		01/17/20 05:18	01/17/20 16:24	1
Calcium	0.081	J	0.10	0.050	mg/L		01/17/20 05:18	01/17/20 16:24	1
Iron	ND		0.10	0.050	mg/L		01/17/20 05:18	01/17/20 16:24	1
Lithium	ND		500	25	ug/L		01/17/20 05:18	01/17/20 16:24	1
Magnesium	ND		0.020	0.010	mg/L		01/17/20 05:18	01/17/20 16:24	1
Phosphorus	ND		0.20	0.10	mg/L		01/17/20 05:18	01/17/20 16:24	1
Potassium	ND		0.50	0.25	mg/L		01/17/20 05:18	01/17/20 16:24	1
Sodium	ND		0.50	0.26	mg/L		01/17/20 05:18	01/17/20 16:24	1
Strontium	ND		0.020	0.010	mg/L		01/17/20 05:18	01/17/20 16:24	1
Tin	ND		0.10	0.050	mg/L		01/17/20 05:18	01/17/20 16:24	1
Titanium	ND		0.0050	0.0025	mg/L		01/17/20 05:18	01/17/20 16:24	1

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		2.0	0.90	ug/L		01/30/20 13:26	02/05/20 01:19	2
Arsenic	ND		10	4.0	ug/L		01/30/20 13:26	02/05/20 01:19	2
Barium	ND		2.0	0.90	ug/L		01/30/20 13:26	02/05/20 01:19	2

Client Sample ID: FB12

Lab Sample ID: 440-259163-6

Date Collected: 01/10/20 09:15
Matrix: Water
Date Received: 01/16/20 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	ND		0.50	0.20	ug/L		01/30/20 13:26	02/05/20 01:19	2
Cadmium	ND		0.50	0.20	ug/L		01/30/20 13:26	02/05/20 01:19	2
Cobalt	ND		2.0	0.90	ug/L		01/30/20 13:26	02/05/20 01:19	2
Chromium	ND		10	4.0	ug/L		01/30/20 13:26	02/05/20 01:19	2
Copper	ND		3.0	1.9	ug/L		01/30/20 13:26	02/05/20 01:19	2
Manganese	ND	^	4.0	1.5	ug/L		01/30/20 13:26	02/05/20 01:19	2
Molybdenum	ND		5.0	2.0	ug/L		01/30/20 13:26	02/05/20 01:19	2
Nickel	ND	^	5.0	2.0	ug/L		01/30/20 13:26	02/05/20 01:19	2
Lead	ND		3.0	1.0	ug/L		01/30/20 13:26	02/05/20 01:19	2
Antimony	ND		5.0	2.0	ug/L		01/30/20 13:26	02/05/20 01:19	2
Selenium	ND	^	5.0	2.0	ug/L		01/30/20 13:26	02/05/20 01:19	2
Thorium	ND		2.0	0.90	ug/L		01/30/20 13:26	02/05/20 01:19	2
Thallium	ND		2.0	0.90	ug/L		01/30/20 13:26	02/05/20 01:19	2
Uranium	ND		1.0	0.40	ug/L		01/30/20 13:26	02/05/20 01:19	2
Vanadium	ND		10	4.0	ug/L		01/30/20 13:26	02/05/20 01:19	2
Zinc	ND	^	20	7.5	ug/L		01/30/20 13:26	02/05/20 01:19	2

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00010	mg/L		01/20/20 12:36	01/21/20 12:10	1

Client Sample ID: WRSB221_0.5-3

Lab Sample ID: 440-259163-7

Date Collected: 01/10/20 09:17
Matrix: Solid
Date Received: 01/16/20 10:00
Percent Solids: 97.2

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**6400**		10	8.0	mg/Kg	☼	01/20/20 08:55	01/20/20 18:59	5
Boron	**4.5**	**J**	5.2	2.6	mg/Kg	☼	01/20/20 08:55	01/20/20 18:59	5
Calcium	**5900**		26	14	mg/Kg	☼	01/20/20 08:55	01/20/20 18:59	5
Iron	**16000**		10	7.1	mg/Kg	☼	01/20/20 08:55	01/20/20 18:59	5
Lithium	**7.4**		5.2	2.9	mg/Kg	☼	01/20/20 08:55	01/20/20 18:59	5
Magnesium	**2900**		10	5.2	mg/Kg	☼	01/20/20 08:55	01/20/20 18:59	5
Phosphorus	**490**		5.2	2.6	mg/Kg	☼	01/20/20 08:55	01/20/20 18:59	5
Potassium	**1100**		65	34	mg/Kg	☼	01/20/20 08:55	01/20/20 18:59	5
Sodium	**420**		65	33	mg/Kg	☼	01/20/20 08:55	01/20/20 18:59	5
Strontium	**50**		5.2	2.6	mg/Kg	☼	01/20/20 08:55	01/20/20 18:59	5
Tin	ND		10	5.2	mg/Kg	☼	01/20/20 08:55	01/20/20 18:59	5
Titanium	**320**		2.1	1.0	mg/Kg	☼	01/20/20 08:55	01/20/20 18:59	5

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.29**	**J**	1.0	0.28	mg/Kg	☼	01/20/20 08:55	01/20/20 15:38	20
Arsenic	**4.2**		0.52	0.26	mg/Kg	☼	01/20/20 08:55	01/20/20 15:38	20
Barium	**53**		0.52	0.26	mg/Kg	☼	01/20/20 08:55	01/20/20 15:38	20
Beryllium	**0.28**	**J**	0.31	0.16	mg/Kg	☼	01/20/20 08:55	01/20/20 15:38	20
Cadmium	ND		0.52	0.26	mg/Kg	☼	01/20/20 08:55	01/20/20 15:38	20
Chromium	**7.2**		1.0	0.52	mg/Kg	☼	01/20/20 08:55	01/20/20 15:38	20
Cobalt	**3.8**		0.52	0.22	mg/Kg	☼	01/20/20 08:55	01/20/20 15:38	20
Copper	**220**		1.0	0.52	mg/Kg	☼	01/20/20 08:55	01/20/20 15:38	20

Client Sample ID: WRSB221_0.5-3

Lab Sample ID: 440-259163-7
Date Collected: 01/10/20 09:17
Matrix: Solid
Date Received: 01/16/20 10:00
Percent Solids: 97.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	4.4		0.52	0.26	mg/Kg	☼	01/20/20 08:55	01/20/20 15:38	20
Manganese	160		0.52	0.26	mg/Kg	☼	01/20/20 08:55	01/20/20 15:38	20
Molybdenum	0.84	J	1.0	0.52	mg/Kg	☼	01/20/20 08:55	01/20/20 15:38	20
Nickel	4.8		1.0	0.52	mg/Kg	☼	01/20/20 08:55	01/20/20 15:38	20
Selenium	3.2		1.0	0.21	mg/Kg	☼	01/20/20 08:55	01/20/20 15:38	20
Silver	0.20	J	0.52	0.10	mg/Kg	☼	01/20/20 08:55	01/20/20 15:38	20
Thallium	ND		0.52	0.26	mg/Kg	☼	01/20/20 08:55	01/20/20 15:38	20
Vanadium	29		1.0	0.52	mg/Kg	☼	01/20/20 08:55	01/20/20 15:38	20
Zinc	20		10	5.2	mg/Kg	☼	01/20/20 08:55	01/20/20 15:38	20

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.015	J	0.021	0.012	mg/Kg	☼	01/22/20 11:23	01/22/20 20:45	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sample Homogenized	yes				NONE			01/17/20 17:19	1
Percent Moisture	2.8		0.1	0.1	%			01/17/20 17:28	1

Client Sample ID: WRSB221_3-6

Lab Sample ID: 440-259163-8
Date Collected: 01/10/20 09:28
Matrix: Solid
Date Received: 01/16/20 10:00
Percent Solids: 97.0

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	7500		10	7.9	mg/Kg	☼	01/20/20 08:55	01/20/20 19:02	5
Boron	6.4		5.1	2.6	mg/Kg	☼	01/20/20 08:55	01/20/20 19:02	5
Calcium	12000		26	14	mg/Kg	☼	01/20/20 08:55	01/20/20 19:02	5
Iron	12000		10	7.1	mg/Kg	☼	01/20/20 08:55	01/20/20 19:02	5
Lithium	7.8		5.1	2.9	mg/Kg	☼	01/20/20 08:55	01/20/20 19:02	5
Magnesium	3300		10	5.1	mg/Kg	☼	01/20/20 08:55	01/20/20 19:02	5
Phosphorus	530		5.1	2.6	mg/Kg	☼	01/20/20 08:55	01/20/20 19:02	5
Potassium	1100		64	33	mg/Kg	☼	01/20/20 08:55	01/20/20 19:02	5
Sodium	510		64	33	mg/Kg	☼	01/20/20 08:55	01/20/20 19:02	5
Strontium	82		5.1	2.6	mg/Kg	☼	01/20/20 08:55	01/20/20 19:02	5
Tin	ND		10	5.1	mg/Kg	☼	01/20/20 08:55	01/20/20 19:02	5
Titanium	330		2.1	1.0	mg/Kg	☼	01/20/20 08:55	01/20/20 19:02	5

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		1.0	0.28	mg/Kg	☼	01/20/20 08:55	01/20/20 15:40	20
Arsenic	6.4		0.51	0.26	mg/Kg	☼	01/20/20 08:55	01/20/20 15:40	20
Barium	89		0.51	0.26	mg/Kg	☼	01/20/20 08:55	01/20/20 15:40	20
Beryllium	0.38		0.31	0.15	mg/Kg	☼	01/20/20 08:55	01/20/20 15:40	20
Cadmium	ND		0.51	0.26	mg/Kg	☼	01/20/20 08:55	01/20/20 15:40	20
Chromium	6.5		1.0	0.51	mg/Kg	☼	01/20/20 08:55	01/20/20 15:40	20
Cobalt	4.2		0.51	0.22	mg/Kg	☼	01/20/20 08:55	01/20/20 15:40	20
Copper	64		1.0	0.51	mg/Kg	☼	01/20/20 08:55	01/20/20 15:40	20
Lead	3.6		0.51	0.26	mg/Kg	☼	01/20/20 08:55	01/20/20 15:40	20
Manganese	200		0.51	0.26	mg/Kg	☼	01/20/20 08:55	01/20/20 15:40	20
Molybdenum	0.74	J	1.0	0.51	mg/Kg	☼	01/20/20 08:55	01/20/20 15:40	20

Client Sample ID: WRSB221_3-6

Lab Sample ID: 440-259163-8
Date Collected: 01/10/20 09:28
Matrix: Solid
Date Received: 01/16/20 10:00
Percent Solids: 97.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nickel	4.9		1.0	0.51	mg/Kg	☼	01/20/20 08:55	01/20/20 15:40	20
Selenium	0.86	J	1.0	0.21	mg/Kg	☼	01/20/20 08:55	01/20/20 15:40	20
Silver	ND		0.51	0.10	mg/Kg	☼	01/20/20 08:55	01/20/20 15:40	20
Thallium	ND		0.51	0.26	mg/Kg	☼	01/20/20 08:55	01/20/20 15:40	20
Vanadium	29		1.0	0.51	mg/Kg	☼	01/20/20 08:55	01/20/20 15:40	20
Zinc	20		10	5.1	mg/Kg	☼	01/20/20 08:55	01/20/20 15:40	20

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.020	0.012	mg/Kg	☼	01/22/20 11:23	01/22/20 20:48	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sample Homogenized	yes				NONE			01/17/20 17:19	1
Percent Moisture	2.9		0.1	0.1	%			01/17/20 17:28	1

Client Sample ID: WRSB221_6-15

Lab Sample ID: 440-259163-9
Date Collected: 01/10/20 09:35
Matrix: Solid
Date Received: 01/16/20 10:00
Percent Solids: 97.2

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	7400		10	7.8	mg/Kg	☼	01/20/20 08:55	01/20/20 19:04	5
Boron	5.7		5.0	2.5	mg/Kg	☼	01/20/20 08:55	01/20/20 19:04	5
Calcium	7800		25	14	mg/Kg	☼	01/20/20 08:55	01/20/20 19:04	5
Iron	12000		10	7.0	mg/Kg	☼	01/20/20 08:55	01/20/20 19:04	5
Lithium	7.1		5.0	2.8	mg/Kg	☼	01/20/20 08:55	01/20/20 19:04	5
Magnesium	3100		10	5.0	mg/Kg	☼	01/20/20 08:55	01/20/20 19:04	5
Phosphorus	430		5.0	2.5	mg/Kg	☼	01/20/20 08:55	01/20/20 19:04	5
Potassium	1200		63	33	mg/Kg	☼	01/20/20 08:55	01/20/20 19:04	5
Sodium	510		63	32	mg/Kg	☼	01/20/20 08:55	01/20/20 19:04	5
Strontium	67		5.0	2.5	mg/Kg	☼	01/20/20 08:55	01/20/20 19:04	5
Tin	ND		10	5.0	mg/Kg	☼	01/20/20 08:55	01/20/20 19:04	5
Titanium	300		2.0	1.0	mg/Kg	☼	01/20/20 08:55	01/20/20 19:04	5

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.27	J	1.0	0.27	mg/Kg	☼	01/20/20 08:55	01/20/20 15:43	20
Arsenic	5.6		0.50	0.25	mg/Kg	☼	01/20/20 08:55	01/20/20 15:43	20
Barium	85		0.50	0.25	mg/Kg	☼	01/20/20 08:55	01/20/20 15:43	20
Beryllium	0.37		0.30	0.15	mg/Kg	☼	01/20/20 08:55	01/20/20 15:43	20
Cadmium	ND		0.50	0.25	mg/Kg	☼	01/20/20 08:55	01/20/20 15:43	20
Chromium	6.7		1.0	0.50	mg/Kg	☼	01/20/20 08:55	01/20/20 15:43	20
Cobalt	4.6		0.50	0.21	mg/Kg	☼	01/20/20 08:55	01/20/20 15:43	20
Copper	76		1.0	0.50	mg/Kg	☼	01/20/20 08:55	01/20/20 15:43	20
Lead	3.8		0.50	0.25	mg/Kg	☼	01/20/20 08:55	01/20/20 15:43	20
Manganese	250		0.50	0.25	mg/Kg	☼	01/20/20 08:55	01/20/20 15:43	20
Molybdenum	1.1		1.0	0.50	mg/Kg	☼	01/20/20 08:55	01/20/20 15:43	20
Nickel	4.8		1.0	0.50	mg/Kg	☼	01/20/20 08:55	01/20/20 15:43	20
Selenium	1.1		1.0	0.20	mg/Kg	☼	01/20/20 08:55	01/20/20 15:43	20
Silver	ND		0.50	0.10	mg/Kg	☼	01/20/20 08:55	01/20/20 15:43	20

Client Sample ID: WRSB221_6-15

Lab Sample ID: 440-259163-9
Date Collected: 01/10/20 09:35
Matrix: Solid
Date Received: 01/16/20 10:00
Percent Solids: 97.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	ND		0.50	0.25	mg/Kg	☼	01/20/20 08:55	01/20/20 15:43	20
Vanadium	30		1.0	0.50	mg/Kg	☼	01/20/20 08:55	01/20/20 15:43	20
Zinc	21		10	5.0	mg/Kg	☼	01/20/20 08:55	01/20/20 15:43	20

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.013	J	0.021	0.013	mg/Kg	☼	01/22/20 11:23	01/22/20 20:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sample Homogenized	yes				NONE			01/17/20 17:19	1
Percent Moisture	2.8		0.1	0.1	%			01/17/20 17:28	1

Client Sample ID: WRSB214_0-0.5

Lab Sample ID: 440-259163-10
Date Collected: 01/10/20 10:40
Matrix: Solid
Date Received: 01/16/20 10:00
Percent Solids: 96.0

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	9000		10	8.1	mg/Kg	☼	01/20/20 08:55	01/20/20 19:06	5
Boron	4.5	J	5.2	2.6	mg/Kg	☼	01/20/20 08:55	01/20/20 19:06	5
Calcium	6500		26	14	mg/Kg	☼	01/20/20 08:55	01/20/20 19:06	5
Iron	14000		10	7.2	mg/Kg	☼	01/20/20 08:55	01/20/20 19:06	5
Lithium	8.9		5.2	2.9	mg/Kg	☼	01/20/20 08:55	01/20/20 19:06	5
Magnesium	3500		10	5.2	mg/Kg	☼	01/20/20 08:55	01/20/20 19:06	5
Phosphorus	470		5.2	2.6	mg/Kg	☼	01/20/20 08:55	01/20/20 19:06	5
Potassium	1500		65	34	mg/Kg	☼	01/20/20 08:55	01/20/20 19:06	5
Sodium	330		65	33	mg/Kg	☼	01/20/20 08:55	01/20/20 19:06	5
Strontium	92		5.2	2.6	mg/Kg	☼	01/20/20 08:55	01/20/20 19:06	5
Tin	ND		10	5.2	mg/Kg	☼	01/20/20 08:55	01/20/20 19:06	5
Titanium	330		2.1	1.0	mg/Kg	☼	01/20/20 08:55	01/20/20 19:06	5

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.37	J	1.0	0.28	mg/Kg	☼	01/20/20 08:55	01/20/20 15:45	20
Arsenic	5.7		0.52	0.26	mg/Kg	☼	01/20/20 08:55	01/20/20 15:45	20
Barium	170		0.52	0.26	mg/Kg	☼	01/20/20 08:55	01/20/20 15:45	20
Beryllium	0.47		0.31	0.16	mg/Kg	☼	01/20/20 08:55	01/20/20 15:45	20
Cadmium	ND		0.52	0.26	mg/Kg	☼	01/20/20 08:55	01/20/20 15:45	20
Chromium	7.9		1.0	0.52	mg/Kg	☼	01/20/20 08:55	01/20/20 15:45	20
Cobalt	5.4		0.52	0.22	mg/Kg	☼	01/20/20 08:55	01/20/20 15:45	20
Copper	100		1.0	0.52	mg/Kg	☼	01/20/20 08:55	01/20/20 15:45	20
Lead	4.7		0.52	0.26	mg/Kg	☼	01/20/20 08:55	01/20/20 15:45	20
Manganese	250		0.52	0.26	mg/Kg	☼	01/20/20 08:55	01/20/20 15:45	20
Molybdenum	0.56	J	1.0	0.52	mg/Kg	☼	01/20/20 08:55	01/20/20 15:45	20
Nickel	5.8		1.0	0.52	mg/Kg	☼	01/20/20 08:55	01/20/20 15:45	20
Selenium	1.3		1.0	0.21	mg/Kg	☼	01/20/20 08:55	01/20/20 15:45	20
Silver	ND		0.52	0.10	mg/Kg	☼	01/20/20 08:55	01/20/20 15:45	20
Thallium	ND		0.52	0.26	mg/Kg	☼	01/20/20 08:55	01/20/20 15:45	20
Vanadium	34		1.0	0.52	mg/Kg	☼	01/20/20 08:55	01/20/20 15:45	20
Zinc	26		10	5.2	mg/Kg	☼	01/20/20 08:55	01/20/20 15:45	20

Client Sample Results

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

Job ID: 440-259163-1

Client Sample ID: WRSB214_0-0.5

Lab Sample ID: 440-259163-10
Date Collected: 01/10/20 10:40
Matrix: Solid
Date Received: 01/16/20 10:00
Percent Solids: 96.0

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.014	J	0.020	0.012	mg/Kg	☼	01/22/20 11:23	01/22/20 20:52	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sample Homogenized	yes				NONE			01/17/20 17:19	1
Percent Moisture	4.0		0.1	0.1	%			01/17/20 17:28	1

Client Sample ID: WRSB214_0.5-3

Lab Sample ID: 440-259163-11
Date Collected: 01/10/20 10:49
Matrix: Solid
Date Received: 01/16/20 10:00
Percent Solids: 95.4

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	8200		10	8.0	mg/Kg	☼	01/20/20 08:55	01/20/20 18:31	5
Boron	4.5	J	5.2	2.6	mg/Kg	☼	01/20/20 08:55	01/20/20 18:31	5
Calcium	9700		26	14	mg/Kg	☼	01/20/20 08:55	01/20/20 18:31	5
Iron	14000		10	7.2	mg/Kg	☼	01/20/20 08:55	01/20/20 18:31	5
Lithium	7.4		5.2	2.9	mg/Kg	☼	01/20/20 08:55	01/20/20 18:31	5
Magnesium	3200		10	5.2	mg/Kg	☼	01/20/20 08:55	01/20/20 18:31	5
Phosphorus	450		5.2	2.6	mg/Kg	☼	01/20/20 08:55	01/20/20 18:31	5
Potassium	1300		65	34	mg/Kg	☼	01/20/20 08:55	01/20/20 18:31	5
Sodium	740	F1	65	33	mg/Kg	☼	01/20/20 08:55	01/20/20 18:31	5
Strontium	86	F1	5.2	2.6	mg/Kg	☼	01/20/20 08:55	01/20/20 18:31	5
Tin	ND		10	5.2	mg/Kg	☼	01/20/20 08:55	01/20/20 18:31	5
Titanium	320		2.1	1.0	mg/Kg	☼	01/20/20 08:55	01/20/20 18:31	5

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.48	J F1	1.0	0.28	mg/Kg	☼	01/20/20 08:55	01/20/20 15:13	20
Arsenic	5.9		0.52	0.26	mg/Kg	☼	01/20/20 08:55	01/20/20 15:13	20
Barium	120	F1	0.52	0.26	mg/Kg	☼	01/20/20 08:55	01/20/20 15:13	20
Beryllium	0.52		0.31	0.16	mg/Kg	☼	01/20/20 08:55	01/20/20 15:13	20
Cadmium	ND		0.52	0.26	mg/Kg	☼	01/20/20 08:55	01/20/20 15:13	20
Chromium	7.8		1.0	0.52	mg/Kg	☼	01/20/20 08:55	01/20/20 15:13	20
Cobalt	4.6		0.52	0.22	mg/Kg	☼	01/20/20 08:55	01/20/20 15:13	20
Copper	75		1.0	0.52	mg/Kg	☼	01/20/20 08:55	01/20/20 15:13	20
Lead	4.2		0.52	0.26	mg/Kg	☼	01/20/20 08:55	01/20/20 15:13	20
Manganese	220		0.52	0.26	mg/Kg	☼	01/20/20 08:55	01/20/20 15:13	20
Molybdenum	0.73	J	1.0	0.52	mg/Kg	☼	01/20/20 08:55	01/20/20 15:13	20
Nickel	5.5		1.0	0.52	mg/Kg	☼	01/20/20 08:55	01/20/20 15:13	20
Selenium	1.4		1.0	0.21	mg/Kg	☼	01/20/20 08:55	01/20/20 15:13	20
Silver	ND		0.52	0.10	mg/Kg	☼	01/20/20 08:55	01/20/20 15:13	20
Thallium	ND		0.52	0.26	mg/Kg	☼	01/20/20 08:55	01/20/20 15:13	20
Vanadium	32		1.0	0.52	mg/Kg	☼	01/20/20 08:55	01/20/20 15:13	20
Zinc	24		10	5.2	mg/Kg	☼	01/20/20 08:55	01/20/20 15:13	20

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.013	J	0.021	0.013	mg/Kg	☼	01/22/20 11:23	01/22/20 20:22	1

Client Sample Results

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

Job ID: 440-259163-1

Client Sample ID: WRSB214_0.5-3

Lab Sample ID: 440-259163-11
Date Collected: 01/10/20 10:49
Matrix: Solid
Date Received: 01/16/20 10:00
Percent Solids: 95.4

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sample Homogenized	yes				NONE			01/17/20 17:19	1
Percent Moisture	4.6		0.1	0.1	%			01/17/20 17:28	1

Client Sample ID: WRSB214_3-6

Lab Sample ID: 440-259163-12
Date Collected: 01/10/20 10:58
Matrix: Solid
Date Received: 01/16/20 10:00
Percent Solids: 96.3

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	7300		10	8.0	mg/Kg	☼	01/20/20 08:55	01/20/20 19:16	5
Boron	3.8	J	5.2	2.6	mg/Kg	☼	01/20/20 08:55	01/20/20 19:16	5
Calcium	4700		26	14	mg/Kg	☼	01/20/20 08:55	01/20/20 19:16	5
Iron	12000		10	7.1	mg/Kg	☼	01/20/20 08:55	01/20/20 19:16	5
Lithium	6.4		5.2	2.9	mg/Kg	☼	01/20/20 08:55	01/20/20 19:16	5
Magnesium	2700		10	5.2	mg/Kg	☼	01/20/20 08:55	01/20/20 19:16	5
Phosphorus	400		5.2	2.6	mg/Kg	☼	01/20/20 08:55	01/20/20 19:16	5
Potassium	1100		65	34	mg/Kg	☼	01/20/20 08:55	01/20/20 19:16	5
Sodium	890		65	33	mg/Kg	☼	01/20/20 08:55	01/20/20 19:16	5
Strontium	70		5.2	2.6	mg/Kg	☼	01/20/20 08:55	01/20/20 19:16	5
Tin	ND		10	5.2	mg/Kg	☼	01/20/20 08:55	01/20/20 19:16	5
Titanium	310		2.1	1.0	mg/Kg	☼	01/20/20 08:55	01/20/20 19:16	5

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.34	J	1.0	0.28	mg/Kg	☼	01/20/20 08:55	01/20/20 15:47	20
Arsenic	5.6		0.52	0.26	mg/Kg	☼	01/20/20 08:55	01/20/20 15:47	20
Barium	120		0.52	0.26	mg/Kg	☼	01/20/20 08:55	01/20/20 15:47	20
Beryllium	0.35		0.31	0.15	mg/Kg	☼	01/20/20 08:55	01/20/20 15:47	20
Cadmium	ND		0.52	0.26	mg/Kg	☼	01/20/20 08:55	01/20/20 15:47	20
Chromium	7.5		1.0	0.52	mg/Kg	☼	01/20/20 08:55	01/20/20 15:47	20
Cobalt	4.5		0.52	0.22	mg/Kg	☼	01/20/20 08:55	01/20/20 15:47	20
Copper	60		1.0	0.52	mg/Kg	☼	01/20/20 08:55	01/20/20 15:47	20
Lead	5.3		0.52	0.26	mg/Kg	☼	01/20/20 08:55	01/20/20 15:47	20
Manganese	260		0.52	0.26	mg/Kg	☼	01/20/20 08:55	01/20/20 15:47	20
Molybdenum	0.56	J	1.0	0.52	mg/Kg	☼	01/20/20 08:55	01/20/20 15:47	20
Nickel	5.0		1.0	0.52	mg/Kg	☼	01/20/20 08:55	01/20/20 15:47	20
Selenium	1.0		1.0	0.21	mg/Kg	☼	01/20/20 08:55	01/20/20 15:47	20
Silver	ND		0.52	0.10	mg/Kg	☼	01/20/20 08:55	01/20/20 15:47	20
Thallium	ND		0.52	0.26	mg/Kg	☼	01/20/20 08:55	01/20/20 15:47	20
Vanadium	31		1.0	0.52	mg/Kg	☼	01/20/20 08:55	01/20/20 15:47	20
Zinc	23		10	5.2	mg/Kg	☼	01/20/20 08:55	01/20/20 15:47	20

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.015	J	0.020	0.012	mg/Kg	☼	01/22/20 11:23	01/22/20 20:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sample Homogenized	yes				NONE			01/17/20 17:19	1
Percent Moisture	3.7		0.1	0.1	%			01/17/20 17:28	1

Client Sample Results

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

Job ID: 440-259163-1

Client Sample ID: EB12

Lab Sample ID: 440-259163-13

Date Collected: 01/10/20 11:04
Date Received: 01/16/20 10:00

Matrix: Water

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		01/17/20 05:18	01/17/20 16:27	1
Boron	ND		50	25	ug/L		01/17/20 05:18	01/17/20 16:27	1
Calcium	**0.14**		0.10	0.050	mg/L		01/17/20 05:18	01/17/20 16:27	1
Iron	ND		0.10	0.050	mg/L		01/17/20 05:18	01/17/20 16:27	1
Lithium	ND		500	25	ug/L		01/17/20 05:18	01/17/20 16:27	1
Magnesium	**0.017**	**J**	0.020	0.010	mg/L		01/17/20 05:18	01/17/20 16:27	1
Phosphorus	ND		0.20	0.10	mg/L		01/17/20 05:18	01/17/20 16:27	1
Potassium	ND		0.50	0.25	mg/L		01/17/20 05:18	01/17/20 16:27	1
Sodium	ND		0.50	0.26	mg/L		01/17/20 05:18	01/17/20 16:27	1
Strontium	ND		0.020	0.010	mg/L		01/17/20 05:18	01/17/20 16:27	1
Tin	ND		0.10	0.050	mg/L		01/17/20 05:18	01/17/20 16:27	1
Titanium	ND		0.0050	0.0025	mg/L		01/17/20 05:18	01/17/20 16:27	1

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		2.0	0.90	ug/L		01/30/20 13:26	02/05/20 01:45	2
Arsenic	ND		10	4.0	ug/L		01/30/20 13:26	02/05/20 01:45	2
Barium	ND		2.0	0.90	ug/L		01/30/20 13:26	02/05/20 01:45	2
Beryllium	ND		0.50	0.20	ug/L		01/30/20 13:26	02/05/20 01:45	2
Cadmium	ND		0.50	0.20	ug/L		01/30/20 13:26	02/05/20 01:45	2
Cobalt	ND		2.0	0.90	ug/L		01/30/20 13:26	02/05/20 01:45	2
Chromium	ND		10	4.0	ug/L		01/30/20 13:26	02/05/20 01:45	2
Copper	ND		3.0	1.9	ug/L		01/30/20 13:26	02/05/20 01:45	2
Manganese	**1.5**	**J ^**	4.0	1.5	ug/L		01/30/20 13:26	02/05/20 01:45	2
Molybdenum	ND		5.0	2.0	ug/L		01/30/20 13:26	02/05/20 01:45	2
Nickel	ND	^	5.0	2.0	ug/L		01/30/20 13:26	02/05/20 01:45	2
Lead	ND		3.0	1.0	ug/L		01/30/20 13:26	02/05/20 01:45	2
Antimony	ND		5.0	2.0	ug/L		01/30/20 13:26	02/05/20 01:45	2
Selenium	ND	^	5.0	2.0	ug/L		01/30/20 13:26	02/05/20 01:45	2
Thorium	ND		2.0	0.90	ug/L		01/30/20 13:26	02/05/20 01:45	2
Thallium	ND		2.0	0.90	ug/L		01/30/20 13:26	02/05/20 01:45	2
Uranium	ND		1.0	0.40	ug/L		01/30/20 13:26	02/05/20 01:45	2
Vanadium	ND		10	4.0	ug/L		01/30/20 13:26	02/05/20 01:45	2
Zinc	ND	^	20	7.5	ug/L		01/30/20 13:26	02/05/20 01:45	2

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00010	mg/L		01/20/20 12:36	01/21/20 12:12	1

Client Sample ID: WRSB214_6-15

Lab Sample ID: 440-259163-14

Date Collected: 01/10/20 11:08
Date Received: 01/16/20 10:00

Matrix: Solid
Percent Solids: 96.8

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**7800**		10	8.0	mg/Kg	☼	01/20/20 08:55	01/20/20 19:18	5
Boron	**4.8**	**J**	5.2	2.6	mg/Kg	☼	01/20/20 08:55	01/20/20 19:18	5
Calcium	**5800**		26	14	mg/Kg	☼	01/20/20 08:55	01/20/20 19:18	5
Iron	**13000**		10	7.1	mg/Kg	☼	01/20/20 08:55	01/20/20 19:18	5
Lithium	**7.2**		5.2	2.9	mg/Kg	☼	01/20/20 08:55	01/20/20 19:18	5

Client Sample ID: WRSB214_6-15

Lab Sample ID: 440-259163-14

Date Collected: 01/10/20 11:08
Date Received: 01/16/20 10:00

Matrix: Solid
Percent Solids: 96.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	2900		10	5.2	mg/Kg	☼	01/20/20 08:55	01/20/20 19:18	5
Phosphorus	440		5.2	2.6	mg/Kg	☼	01/20/20 08:55	01/20/20 19:18	5
Potassium	1100		65	34	mg/Kg	☼	01/20/20 08:55	01/20/20 19:18	5
Sodium	820		65	33	mg/Kg	☼	01/20/20 08:55	01/20/20 19:18	5
Strontium	51		5.2	2.6	mg/Kg	☼	01/20/20 08:55	01/20/20 19:18	5
Tin	ND		10	5.2	mg/Kg	☼	01/20/20 08:55	01/20/20 19:18	5
Titanium	360		2.1	1.0	mg/Kg	☼	01/20/20 08:55	01/20/20 19:18	5

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.40	J	1.0	0.28	mg/Kg	☼	01/20/20 08:55	01/20/20 15:53	20
Arsenic	5.9		0.52	0.26	mg/Kg	☼	01/20/20 08:55	01/20/20 15:53	20
Barium	86		0.52	0.26	mg/Kg	☼	01/20/20 08:55	01/20/20 15:53	20
Beryllium	0.41		0.31	0.16	mg/Kg	☼	01/20/20 08:55	01/20/20 15:53	20
Cadmium	ND		0.52	0.26	mg/Kg	☼	01/20/20 08:55	01/20/20 15:53	20
Chromium	9.2		1.0	0.52	mg/Kg	☼	01/20/20 08:55	01/20/20 15:53	20
Cobalt	4.5		0.52	0.22	mg/Kg	☼	01/20/20 08:55	01/20/20 15:53	20
Copper	49		1.0	0.52	mg/Kg	☼	01/20/20 08:55	01/20/20 15:53	20
Lead	5.2		0.52	0.26	mg/Kg	☼	01/20/20 08:55	01/20/20 15:53	20
Manganese	230		0.52	0.26	mg/Kg	☼	01/20/20 08:55	01/20/20 15:53	20
Molybdenum	0.78	J	1.0	0.52	mg/Kg	☼	01/20/20 08:55	01/20/20 15:53	20
Nickel	5.6		1.0	0.52	mg/Kg	☼	01/20/20 08:55	01/20/20 15:53	20
Selenium	1.2		1.0	0.21	mg/Kg	☼	01/20/20 08:55	01/20/20 15:53	20
Silver	ND		0.52	0.10	mg/Kg	☼	01/20/20 08:55	01/20/20 15:53	20
Thallium	ND		0.52	0.26	mg/Kg	☼	01/20/20 08:55	01/20/20 15:53	20
Vanadium	39		1.0	0.52	mg/Kg	☼	01/20/20 08:55	01/20/20 15:53	20
Zinc	29		10	5.2	mg/Kg	☼	01/20/20 08:55	01/20/20 15:53	20

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.017	J	0.020	0.012	mg/Kg	☼	01/22/20 11:23	01/22/20 20:57	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sample Homogenized	yes				NONE			01/17/20 17:19	1
Percent Moisture	3.2		0.1	0.1	%			01/17/20 17:28	1

Client Sample ID: WRSB213_0-0.5

Lab Sample ID: 440-259163-15

Date Collected: 01/13/20 14:09
Date Received: 01/16/20 10:00

Matrix: Solid
Percent Solids: 95.5

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	10000		10	8.0	mg/Kg	☼	01/20/20 08:55	01/20/20 19:20	5
Boron	5.8		5.2	2.6	mg/Kg	☼	01/20/20 08:55	01/20/20 19:20	5
Calcium	7900		26	14	mg/Kg	☼	01/20/20 08:55	01/20/20 19:20	5
Iron	16000		10	7.2	mg/Kg	☼	01/20/20 08:55	01/20/20 19:20	5
Lithium	8.6		5.2	2.9	mg/Kg	☼	01/20/20 08:55	01/20/20 19:20	5
Magnesium	3800		10	5.2	mg/Kg	☼	01/20/20 08:55	01/20/20 19:20	5
Phosphorus	550		5.2	2.6	mg/Kg	☼	01/20/20 08:55	01/20/20 19:20	5
Potassium	1600		65	34	mg/Kg	☼	01/20/20 08:55	01/20/20 19:20	5

Client Sample ID: WRSB213_0-0.5

Lab Sample ID: 440-259163-15

Date Collected: 01/13/20 14:09
Matrix: Solid
Date Received: 01/16/20 10:00
Percent Solids: 95.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	560		65	33	mg/Kg	☼	01/20/20 08:55	01/20/20 19:20	5
Strontium	68		5.2	2.6	mg/Kg	☼	01/20/20 08:55	01/20/20 19:20	5
Tin	ND		10	5.2	mg/Kg	☼	01/20/20 08:55	01/20/20 19:20	5
Titanium	400		2.1	1.0	mg/Kg	☼	01/20/20 08:55	01/20/20 19:20	5

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.39	J	1.0	0.28	mg/Kg	☼	01/20/20 08:55	01/20/20 15:55	20
Arsenic	6.1		0.52	0.26	mg/Kg	☼	01/20/20 08:55	01/20/20 15:55	20
Barium	110		0.52	0.26	mg/Kg	☼	01/20/20 08:55	01/20/20 15:55	20
Beryllium	0.51		0.31	0.16	mg/Kg	☼	01/20/20 08:55	01/20/20 15:55	20
Cadmium	ND		0.52	0.26	mg/Kg	☼	01/20/20 08:55	01/20/20 15:55	20
Chromium	9.3		1.0	0.52	mg/Kg	☼	01/20/20 08:55	01/20/20 15:55	20
Cobalt	6.4		0.52	0.22	mg/Kg	☼	01/20/20 08:55	01/20/20 15:55	20
Copper	81		1.0	0.52	mg/Kg	☼	01/20/20 08:55	01/20/20 15:55	20
Lead	5.6		0.52	0.26	mg/Kg	☼	01/20/20 08:55	01/20/20 15:55	20
Manganese	370		0.52	0.26	mg/Kg	☼	01/20/20 08:55	01/20/20 15:55	20
Molybdenum	0.67	J	1.0	0.52	mg/Kg	☼	01/20/20 08:55	01/20/20 15:55	20
Nickel	7.2		1.0	0.52	mg/Kg	☼	01/20/20 08:55	01/20/20 15:55	20
Selenium	1.7		1.0	0.21	mg/Kg	☼	01/20/20 08:55	01/20/20 15:55	20
Silver	ND		0.52	0.10	mg/Kg	☼	01/20/20 08:55	01/20/20 15:55	20
Thallium	ND		0.52	0.26	mg/Kg	☼	01/20/20 08:55	01/20/20 15:55	20
Vanadium	41		1.0	0.52	mg/Kg	☼	01/20/20 08:55	01/20/20 15:55	20
Zinc	30		10	5.2	mg/Kg	☼	01/20/20 08:55	01/20/20 15:55	20

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.019	J	0.021	0.012	mg/Kg	☼	01/22/20 11:23	01/22/20 20:59	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sample Homogenized	yes				NONE			01/17/20 17:19	1
Percent Moisture	4.5		0.1	0.1	%			01/17/20 17:28	1

Client Sample ID: WRSB213_0.5-3

Lab Sample ID: 440-259163-16

Date Collected: 01/13/20 14:16
Matrix: Solid
Date Received: 01/16/20 10:00
Percent Solids: 95.7

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	11000		10	8.1	mg/Kg	☼	01/20/20 08:55	01/20/20 19:23	5
Boron	7.2		5.2	2.6	mg/Kg	☼	01/20/20 08:55	01/20/20 19:23	5
Calcium	6600		26	14	mg/Kg	☼	01/20/20 08:55	01/20/20 19:23	5
Iron	16000		10	7.2	mg/Kg	☼	01/20/20 08:55	01/20/20 19:23	5
Lithium	8.9		5.2	2.9	mg/Kg	☼	01/20/20 08:55	01/20/20 19:23	5
Magnesium	4200		10	5.2	mg/Kg	☼	01/20/20 08:55	01/20/20 19:23	5
Phosphorus	480		5.2	2.6	mg/Kg	☼	01/20/20 08:55	01/20/20 19:23	5
Potassium	1700		66	34	mg/Kg	☼	01/20/20 08:55	01/20/20 19:23	5
Sodium	840		66	34	mg/Kg	☼	01/20/20 08:55	01/20/20 19:23	5
Strontium	69		5.2	2.6	mg/Kg	☼	01/20/20 08:55	01/20/20 19:23	5
Tin	ND		10	5.2	mg/Kg	☼	01/20/20 08:55	01/20/20 19:23	5

Client Sample ID: WRSB213_0.5-3

Lab Sample ID: 440-259163-16

Date Collected: 01/13/20 14:16
Date Received: 01/16/20 10:00

Matrix: Solid
Percent Solids: 95.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Titanium	420		2.1	1.0	mg/Kg	☼	01/20/20 08:55	01/20/20 19:23	5

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.40	J	1.0	0.28	mg/Kg	☼	01/20/20 08:55	01/20/20 15:57	20
Arsenic	6.2		0.52	0.26	mg/Kg	☼	01/20/20 08:55	01/20/20 15:57	20
Barium	110		0.52	0.26	mg/Kg	☼	01/20/20 08:55	01/20/20 15:57	20
Beryllium	0.55		0.31	0.16	mg/Kg	☼	01/20/20 08:55	01/20/20 15:57	20
Cadmium	ND		0.52	0.26	mg/Kg	☼	01/20/20 08:55	01/20/20 15:57	20
Chromium	11		1.0	0.52	mg/Kg	☼	01/20/20 08:55	01/20/20 15:57	20
Cobalt	5.6		0.52	0.22	mg/Kg	☼	01/20/20 08:55	01/20/20 15:57	20
Copper	79		1.0	0.52	mg/Kg	☼	01/20/20 08:55	01/20/20 15:57	20
Lead	4.9		0.52	0.26	mg/Kg	☼	01/20/20 08:55	01/20/20 15:57	20
Manganese	250		0.52	0.26	mg/Kg	☼	01/20/20 08:55	01/20/20 15:57	20
Molybdenum	0.69	J	1.0	0.52	mg/Kg	☼	01/20/20 08:55	01/20/20 15:57	20
Nickel	7.8		1.0	0.52	mg/Kg	☼	01/20/20 08:55	01/20/20 15:57	20
Selenium	1.2		1.0	0.21	mg/Kg	☼	01/20/20 08:55	01/20/20 15:57	20
Silver	ND		0.52	0.10	mg/Kg	☼	01/20/20 08:55	01/20/20 15:57	20
Thallium	ND		0.52	0.26	mg/Kg	☼	01/20/20 08:55	01/20/20 15:57	20
Vanadium	40		1.0	0.52	mg/Kg	☼	01/20/20 08:55	01/20/20 15:57	20
Zinc	30		10	5.2	mg/Kg	☼	01/20/20 08:55	01/20/20 15:57	20

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.013	J	0.021	0.013	mg/Kg	☼	01/22/20 11:23	01/22/20 21:01	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sample Homogenized	yes				NONE			01/17/20 17:19	1
Percent Moisture	4.3		0.1	0.1	%			01/17/20 17:28	1

Client Sample ID: WRSB213_3-6

Lab Sample ID: 440-259163-17

Date Collected: 01/13/20 14:27
Date Received: 01/16/20 10:00

Matrix: Solid
Percent Solids: 96.1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	9500		11	8.1	mg/Kg	☼	01/20/20 08:55	01/20/20 19:25	5
Boron	6.9		5.3	2.6	mg/Kg	☼	01/20/20 08:55	01/20/20 19:25	5
Calcium	7400		26	14	mg/Kg	☼	01/20/20 08:55	01/20/20 19:25	5
Iron	14000		11	7.3	mg/Kg	☼	01/20/20 08:55	01/20/20 19:25	5
Lithium	8.3		5.3	2.9	mg/Kg	☼	01/20/20 08:55	01/20/20 19:25	5
Magnesium	3700		11	5.3	mg/Kg	☼	01/20/20 08:55	01/20/20 19:25	5
Phosphorus	440		5.3	2.6	mg/Kg	☼	01/20/20 08:55	01/20/20 19:25	5
Potassium	1600		66	34	mg/Kg	☼	01/20/20 08:55	01/20/20 19:25	5
Sodium	920		66	34	mg/Kg	☼	01/20/20 08:55	01/20/20 19:25	5
Strontium	69		5.3	2.6	mg/Kg	☼	01/20/20 08:55	01/20/20 19:25	5
Tin	ND		11	5.3	mg/Kg	☼	01/20/20 08:55	01/20/20 19:25	5
Titanium	340		2.1	1.1	mg/Kg	☼	01/20/20 08:55	01/20/20 19:25	5

Client Sample Results

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

Job ID: 440-259163-1

Client Sample ID: WRSB213_3-6

Lab Sample ID: 440-259163-17
Date Collected: 01/13/20 14:27
Matrix: Solid
Date Received: 01/16/20 10:00
Percent Solids: 96.1

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.44	J	1.1	0.28	mg/Kg	☼	01/20/20 08:55	01/20/20 15:59	20
Arsenic	7.4		0.53	0.26	mg/Kg	☼	01/20/20 08:55	01/20/20 15:59	20
Barium	120		0.53	0.26	mg/Kg	☼	01/20/20 08:55	01/20/20 15:59	20
Beryllium	0.56		0.32	0.16	mg/Kg	☼	01/20/20 08:55	01/20/20 15:59	20
Cadmium	ND		0.53	0.26	mg/Kg	☼	01/20/20 08:55	01/20/20 15:59	20
Chromium	9.9		1.1	0.53	mg/Kg	☼	01/20/20 08:55	01/20/20 15:59	20
Cobalt	6.2		0.53	0.22	mg/Kg	☼	01/20/20 08:55	01/20/20 15:59	20
Copper	80		1.1	0.53	mg/Kg	☼	01/20/20 08:55	01/20/20 15:59	20
Lead	6.0		0.53	0.26	mg/Kg	☼	01/20/20 08:55	01/20/20 15:59	20
Manganese	320		0.53	0.26	mg/Kg	☼	01/20/20 08:55	01/20/20 15:59	20
Molybdenum	0.71	J	1.1	0.53	mg/Kg	☼	01/20/20 08:55	01/20/20 15:59	20
Nickel	7.2		1.1	0.53	mg/Kg	☼	01/20/20 08:55	01/20/20 15:59	20
Selenium	1.4		1.1	0.21	mg/Kg	☼	01/20/20 08:55	01/20/20 15:59	20
Silver	ND		0.53	0.11	mg/Kg	☼	01/20/20 08:55	01/20/20 15:59	20
Thallium	ND		0.53	0.26	mg/Kg	☼	01/20/20 08:55	01/20/20 15:59	20
Vanadium	43		1.1	0.53	mg/Kg	☼	01/20/20 08:55	01/20/20 15:59	20
Zinc	33		11	5.3	mg/Kg	☼	01/20/20 08:55	01/20/20 15:59	20

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.024		0.021	0.012	mg/Kg	☼	01/22/20 11:23	01/22/20 21:08	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sample Homogenized	yes				NONE			01/17/20 17:19	1
Percent Moisture	3.9		0.1	0.1	%			01/17/20 17:28	1

Client Sample ID: WRSB213_6-15

Lab Sample ID: 440-259163-18
Date Collected: 01/13/20 14:34
Matrix: Solid
Date Received: 01/16/20 10:00
Percent Solids: 96.2

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	10000		11	8.1	mg/Kg	☼	01/20/20 08:55	01/20/20 19:27	5
Boron	8.6		5.3	2.6	mg/Kg	☼	01/20/20 08:55	01/20/20 19:27	5
Calcium	7400		26	14	mg/Kg	☼	01/20/20 08:55	01/20/20 19:27	5
Iron	15000		11	7.3	mg/Kg	☼	01/20/20 08:55	01/20/20 19:27	5
Lithium	8.9		5.3	3.0	mg/Kg	☼	01/20/20 08:55	01/20/20 19:27	5
Magnesium	3800		11	5.3	mg/Kg	☼	01/20/20 08:55	01/20/20 19:27	5
Phosphorus	630		5.3	2.6	mg/Kg	☼	01/20/20 08:55	01/20/20 19:27	5
Potassium	1600		66	34	mg/Kg	☼	01/20/20 08:55	01/20/20 19:27	5
Sodium	850		66	34	mg/Kg	☼	01/20/20 08:55	01/20/20 19:27	5
Strontium	68		5.3	2.6	mg/Kg	☼	01/20/20 08:55	01/20/20 19:27	5
Tin	ND		11	5.3	mg/Kg	☼	01/20/20 08:55	01/20/20 19:27	5
Titanium	350		2.1	1.1	mg/Kg	☼	01/20/20 08:55	01/20/20 19:27	5

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.37	J	1.1	0.29	mg/Kg	☼	01/20/20 08:55	01/20/20 16:01	20
Arsenic	7.6		0.53	0.26	mg/Kg	☼	01/20/20 08:55	01/20/20 16:01	20
Barium	88		0.53	0.26	mg/Kg	☼	01/20/20 08:55	01/20/20 16:01	20

Client Sample ID: WRSB213_6-15

Lab Sample ID: 440-259163-18

Date Collected: 01/13/20 14:34
Matrix: Solid
Date Received: 01/16/20 10:00
Percent Solids: 96.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.51		0.32	0.16	mg/Kg	☼	01/20/20 08:55	01/20/20 16:01	20
Cadmium	ND		0.53	0.26	mg/Kg	☼	01/20/20 08:55	01/20/20 16:01	20
Chromium	9.4		1.1	0.53	mg/Kg	☼	01/20/20 08:55	01/20/20 16:01	20
Cobalt	5.1		0.53	0.22	mg/Kg	☼	01/20/20 08:55	01/20/20 16:01	20
Copper	60		1.1	0.53	mg/Kg	☼	01/20/20 08:55	01/20/20 16:01	20
Lead	4.9		0.53	0.26	mg/Kg	☼	01/20/20 08:55	01/20/20 16:01	20
Manganese	260		0.53	0.26	mg/Kg	☼	01/20/20 08:55	01/20/20 16:01	20
Molybdenum	0.97	J	1.1	0.53	mg/Kg	☼	01/20/20 08:55	01/20/20 16:01	20
Nickel	6.6		1.1	0.53	mg/Kg	☼	01/20/20 08:55	01/20/20 16:01	20
Selenium	1.6		1.1	0.21	mg/Kg	☼	01/20/20 08:55	01/20/20 16:01	20
Silver	ND		0.53	0.11	mg/Kg	☼	01/20/20 08:55	01/20/20 16:01	20
Thallium	ND		0.53	0.26	mg/Kg	☼	01/20/20 08:55	01/20/20 16:01	20
Vanadium	38		1.1	0.53	mg/Kg	☼	01/20/20 08:55	01/20/20 16:01	20
Zinc	28		11	5.3	mg/Kg	☼	01/20/20 08:55	01/20/20 16:01	20

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.016	J	0.021	0.013	mg/Kg	☼	01/22/20 11:23	01/22/20 21:10	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sample Homogenized	yes				NONE			01/17/20 17:19	1
Percent Moisture	3.8		0.1	0.1	%			01/17/20 17:28	1

Client Sample ID: WRSB213-FD_6-15

Lab Sample ID: 440-259163-19

Date Collected: 01/13/20 14:46
Matrix: Solid
Date Received: 01/16/20 10:00
Percent Solids: 96.5

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	9800		10	7.9	mg/Kg	☼	01/20/20 08:55	01/20/20 19:30	5
Boron	8.1		5.2	2.6	mg/Kg	☼	01/20/20 08:55	01/20/20 19:30	5
Calcium	6400		26	14	mg/Kg	☼	01/20/20 08:55	01/20/20 19:30	5
Iron	15000		10	7.1	mg/Kg	☼	01/20/20 08:55	01/20/20 19:30	5
Lithium	8.6		5.2	2.9	mg/Kg	☼	01/20/20 08:55	01/20/20 19:30	5
Magnesium	3700		10	5.2	mg/Kg	☼	01/20/20 08:55	01/20/20 19:30	5
Phosphorus	480		5.2	2.6	mg/Kg	☼	01/20/20 08:55	01/20/20 19:30	5
Potassium	1500		64	34	mg/Kg	☼	01/20/20 08:55	01/20/20 19:30	5
Sodium	860		64	33	mg/Kg	☼	01/20/20 08:55	01/20/20 19:30	5
Strontium	68		5.2	2.6	mg/Kg	☼	01/20/20 08:55	01/20/20 19:30	5
Tin	ND		10	5.2	mg/Kg	☼	01/20/20 08:55	01/20/20 19:30	5
Titanium	350		2.1	1.0	mg/Kg	☼	01/20/20 08:55	01/20/20 19:30	5

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.40	J	1.0	0.28	mg/Kg	☼	01/20/20 08:55	01/20/20 16:03	20
Arsenic	7.9		0.52	0.26	mg/Kg	☼	01/20/20 08:55	01/20/20 16:03	20
Barium	100		0.52	0.26	mg/Kg	☼	01/20/20 08:55	01/20/20 16:03	20
Beryllium	0.46		0.31	0.15	mg/Kg	☼	01/20/20 08:55	01/20/20 16:03	20
Cadmium	ND		0.52	0.26	mg/Kg	☼	01/20/20 08:55	01/20/20 16:03	20
Chromium	8.9		1.0	0.52	mg/Kg	☼	01/20/20 08:55	01/20/20 16:03	20

Client Sample ID: WRSB213-FD_6-15

Lab Sample ID: 440-259163-19

Date Collected: 01/13/20 14:46
Date Received: 01/16/20 10:00

Matrix: Solid
Percent Solids: 96.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	5.6		0.52	0.22	mg/Kg	☼	01/20/20 08:55	01/20/20 16:03	20
Copper	58		1.0	0.52	mg/Kg	☼	01/20/20 08:55	01/20/20 16:03	20
Lead	5.0		0.52	0.26	mg/Kg	☼	01/20/20 08:55	01/20/20 16:03	20
Manganese	290		0.52	0.26	mg/Kg	☼	01/20/20 08:55	01/20/20 16:03	20
Molybdenum	0.92	J	1.0	0.52	mg/Kg	☼	01/20/20 08:55	01/20/20 16:03	20
Nickel	6.5		1.0	0.52	mg/Kg	☼	01/20/20 08:55	01/20/20 16:03	20
Selenium	1.6		1.0	0.21	mg/Kg	☼	01/20/20 08:55	01/20/20 16:03	20
Silver	ND		0.52	0.10	mg/Kg	☼	01/20/20 08:55	01/20/20 16:03	20
Thallium	ND		0.52	0.26	mg/Kg	☼	01/20/20 08:55	01/20/20 16:03	20
Vanadium	40		1.0	0.52	mg/Kg	☼	01/20/20 08:55	01/20/20 16:03	20
Zinc	27		10	5.2	mg/Kg	☼	01/20/20 08:55	01/20/20 16:03	20

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.017	J	0.021	0.012	mg/Kg	☼	01/22/20 11:23	01/22/20 21:12	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sample Homogenized	yes				NONE			01/17/20 17:19	1
Percent Moisture	3.5		0.1	0.1	%			01/17/20 17:28	1

Client Sample ID: WRSB216_0-0.5

Lab Sample ID: 440-259163-20

Date Collected: 01/14/20 08:32
Date Received: 01/16/20 10:00

Matrix: Solid
Percent Solids: 95.9

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	8700		10	8.0	mg/Kg	☼	01/20/20 08:55	01/20/20 19:32	5
Boron	ND		5.2	2.6	mg/Kg	☼	01/20/20 08:55	01/20/20 19:32	5
Calcium	4700		26	14	mg/Kg	☼	01/20/20 08:55	01/20/20 19:32	5
Iron	13000		10	7.1	mg/Kg	☼	01/20/20 08:55	01/20/20 19:32	5
Lithium	7.9		5.2	2.9	mg/Kg	☼	01/20/20 08:55	01/20/20 19:32	5
Magnesium	4500		10	5.2	mg/Kg	☼	01/20/20 08:55	01/20/20 19:32	5
Phosphorus	1200		5.2	2.6	mg/Kg	☼	01/20/20 08:55	01/20/20 19:32	5
Potassium	1700		65	34	mg/Kg	☼	01/20/20 08:55	01/20/20 19:32	5
Sodium	75		65	33	mg/Kg	☼	01/20/20 08:55	01/20/20 19:32	5
Strontium	48		5.2	2.6	mg/Kg	☼	01/20/20 08:55	01/20/20 19:32	5
Tin	ND		10	5.2	mg/Kg	☼	01/20/20 08:55	01/20/20 19:32	5
Titanium	170		2.1	1.0	mg/Kg	☼	01/20/20 08:55	01/20/20 19:32	5

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.53	J	1.0	0.28	mg/Kg	☼	01/20/20 08:55	01/20/20 16:05	20
Arsenic	5.6		0.52	0.26	mg/Kg	☼	01/20/20 08:55	01/20/20 16:05	20
Barium	80		0.52	0.26	mg/Kg	☼	01/20/20 08:55	01/20/20 16:05	20
Beryllium	0.35		0.31	0.15	mg/Kg	☼	01/20/20 08:55	01/20/20 16:05	20
Cadmium	ND		0.52	0.26	mg/Kg	☼	01/20/20 08:55	01/20/20 16:05	20
Chromium	11		1.0	0.52	mg/Kg	☼	01/20/20 08:55	01/20/20 16:05	20
Cobalt	9.0		0.52	0.22	mg/Kg	☼	01/20/20 08:55	01/20/20 16:05	20
Copper	3200		5.2	2.6	mg/Kg	☼	01/20/20 08:55	01/21/20 10:04	100
Lead	6.1		0.52	0.26	mg/Kg	☼	01/20/20 08:55	01/20/20 16:05	20

Client Sample ID: WRSB216_0-0.5
Lab Sample ID: 440-259163-20

Date Collected: 01/14/20 08:32
Matrix: Solid
Date Received: 01/16/20 10:00
Percent Solids: 95.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	110		0.52	0.26	mg/Kg	☼	01/20/20 08:55	01/20/20 16:05	20
Molybdenum	11		1.0	0.52	mg/Kg	☼	01/20/20 08:55	01/20/20 16:05	20
Nickel	8.7		1.0	0.52	mg/Kg	☼	01/20/20 08:55	01/20/20 16:05	20
Selenium	3.8		1.0	0.21	mg/Kg	☼	01/20/20 08:55	01/20/20 16:05	20
Silver	ND		0.52	0.10	mg/Kg	☼	01/20/20 08:55	01/20/20 16:05	20
Thallium	ND		0.52	0.26	mg/Kg	☼	01/20/20 08:55	01/20/20 16:05	20
Vanadium	28		1.0	0.52	mg/Kg	☼	01/20/20 08:55	01/20/20 16:05	20
Zinc	22		10	5.2	mg/Kg	☼	01/20/20 08:55	01/20/20 16:05	20

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.090		0.021	0.013	mg/Kg	☼	01/22/20 11:23	01/22/20 21:14	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sample Homogenized	yes				NONE			01/17/20 17:19	1
Percent Moisture	4.1		0.1	0.1	%			01/17/20 17:28	1

Client Sample ID: WRSB216_0.5-3
Lab Sample ID: 440-259163-21

Date Collected: 01/14/20 08:42
Matrix: Solid
Date Received: 01/16/20 10:00
Percent Solids: 96.3

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	9600		10	8.1	mg/Kg	☼	01/20/20 08:55	01/20/20 19:34	5
Boron	ND		5.2	2.6	mg/Kg	☼	01/20/20 08:55	01/20/20 19:34	5
Calcium	3400		26	14	mg/Kg	☼	01/20/20 08:55	01/20/20 19:34	5
Iron	21000		10	7.2	mg/Kg	☼	01/20/20 08:55	01/20/20 19:34	5
Lithium	8.2		5.2	2.9	mg/Kg	☼	01/20/20 08:55	01/20/20 19:34	5
Magnesium	5000		10	5.2	mg/Kg	☼	01/20/20 08:55	01/20/20 19:34	5
Phosphorus	690		5.2	2.6	mg/Kg	☼	01/20/20 08:55	01/20/20 19:34	5
Potassium	2000		66	34	mg/Kg	☼	01/20/20 08:55	01/20/20 19:34	5
Sodium	190		66	34	mg/Kg	☼	01/20/20 08:55	01/20/20 19:34	5
Strontium	52		5.2	2.6	mg/Kg	☼	01/20/20 08:55	01/20/20 19:34	5
Tin	ND		10	5.2	mg/Kg	☼	01/20/20 08:55	01/20/20 19:34	5
Titanium	100		2.1	1.0	mg/Kg	☼	01/20/20 08:55	01/20/20 19:34	5

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1.6		1.0	0.28	mg/Kg	☼	01/20/20 08:55	01/20/20 16:07	20
Arsenic	14		0.52	0.26	mg/Kg	☼	01/20/20 08:55	01/20/20 16:07	20
Barium	100		0.52	0.26	mg/Kg	☼	01/20/20 08:55	01/20/20 16:07	20
Beryllium	0.37		0.31	0.16	mg/Kg	☼	01/20/20 08:55	01/20/20 16:07	20
Cadmium	ND		0.52	0.26	mg/Kg	☼	01/20/20 08:55	01/20/20 16:07	20
Chromium	21		1.0	0.52	mg/Kg	☼	01/20/20 08:55	01/20/20 16:07	20
Cobalt	8.9		0.52	0.22	mg/Kg	☼	01/20/20 08:55	01/20/20 16:07	20
Copper	1700		1.0	0.52	mg/Kg	☼	01/20/20 08:55	01/20/20 16:07	20
Lead	6.0		0.52	0.26	mg/Kg	☼	01/20/20 08:55	01/20/20 16:07	20
Manganese	120		0.52	0.26	mg/Kg	☼	01/20/20 08:55	01/20/20 16:07	20
Molybdenum	15		1.0	0.52	mg/Kg	☼	01/20/20 08:55	01/20/20 16:07	20
Nickel	16		1.0	0.52	mg/Kg	☼	01/20/20 08:55	01/20/20 16:07	20

Client Sample ID: WRSB216_0.5-3

Lab Sample ID: 440-259163-21

Date Collected: 01/14/20 08:42
Matrix: Solid
Date Received: 01/16/20 10:00
Percent Solids: 96.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	3.2		1.0	0.21	mg/Kg	☼	01/20/20 08:55	01/20/20 16:07	20
Silver	ND		0.52	0.10	mg/Kg	☼	01/20/20 08:55	01/20/20 16:07	20
Thallium	ND		0.52	0.26	mg/Kg	☼	01/20/20 08:55	01/20/20 16:07	20
Vanadium	29		1.0	0.52	mg/Kg	☼	01/20/20 08:55	01/20/20 16:07	20
Zinc	24		10	5.2	mg/Kg	☼	01/20/20 08:55	01/20/20 16:07	20

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.18		0.021	0.013	mg/Kg	☼	01/22/20 11:23	01/22/20 21:17	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sample Homogenized	yes				NONE			01/17/20 17:19	1
Percent Moisture	3.7		0.1	0.1	%			01/17/20 17:28	1

Client Sample ID: WRSB216_3-6

Lab Sample ID: 440-259163-22

Date Collected: 01/14/20 08:49
Matrix: Solid
Date Received: 01/16/20 10:00
Percent Solids: 94.4

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	8600		11	8.2	mg/Kg	☼	01/20/20 08:55	01/20/20 19:37	5
Boron	ND		5.3	2.7	mg/Kg	☼	01/20/20 08:55	01/20/20 19:37	5
Calcium	2900		27	14	mg/Kg	☼	01/20/20 08:55	01/20/20 19:37	5
Iron	14000		11	7.3	mg/Kg	☼	01/20/20 08:55	01/20/20 19:37	5
Lithium	5.5		5.3	3.0	mg/Kg	☼	01/20/20 08:55	01/20/20 19:37	5
Magnesium	2500		11	5.3	mg/Kg	☼	01/20/20 08:55	01/20/20 19:37	5
Phosphorus	380		5.3	2.7	mg/Kg	☼	01/20/20 08:55	01/20/20 19:37	5
Potassium	1300		67	35	mg/Kg	☼	01/20/20 08:55	01/20/20 19:37	5
Sodium	220		67	34	mg/Kg	☼	01/20/20 08:55	01/20/20 19:37	5
Strontium	47		5.3	2.7	mg/Kg	☼	01/20/20 08:55	01/20/20 19:37	5
Tin	ND		11	5.3	mg/Kg	☼	01/20/20 08:55	01/20/20 19:37	5
Titanium	110		2.1	1.1	mg/Kg	☼	01/20/20 08:55	01/20/20 19:37	5

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.59	J	1.1	0.29	mg/Kg	☼	01/20/20 08:55	01/20/20 16:10	20
Arsenic	13		0.53	0.27	mg/Kg	☼	01/20/20 08:55	01/20/20 16:10	20
Barium	81		0.53	0.27	mg/Kg	☼	01/20/20 08:55	01/20/20 16:10	20
Beryllium	0.42		0.32	0.16	mg/Kg	☼	01/20/20 08:55	01/20/20 16:10	20
Cadmium	ND		0.53	0.27	mg/Kg	☼	01/20/20 08:55	01/20/20 16:10	20
Chromium	7.4		1.1	0.53	mg/Kg	☼	01/20/20 08:55	01/20/20 16:10	20
Cobalt	2.7		0.53	0.22	mg/Kg	☼	01/20/20 08:55	01/20/20 16:10	20
Copper	570		1.1	0.53	mg/Kg	☼	01/20/20 08:55	01/20/20 16:10	20
Lead	5.8		0.53	0.27	mg/Kg	☼	01/20/20 08:55	01/20/20 16:10	20
Manganese	160		0.53	0.27	mg/Kg	☼	01/20/20 08:55	01/20/20 16:10	20
Molybdenum	12		1.1	0.53	mg/Kg	☼	01/20/20 08:55	01/20/20 16:10	20
Nickel	4.7		1.1	0.53	mg/Kg	☼	01/20/20 08:55	01/20/20 16:10	20
Selenium	3.1		1.1	0.21	mg/Kg	☼	01/20/20 08:55	01/20/20 16:10	20
Silver	ND		0.53	0.11	mg/Kg	☼	01/20/20 08:55	01/20/20 16:10	20
Thallium	ND		0.53	0.27	mg/Kg	☼	01/20/20 08:55	01/20/20 16:10	20

Client Sample ID: WRSB216_3-6

Lab Sample ID: 440-259163-22
Date Collected: 01/14/20 08:49
Matrix: Solid
Date Received: 01/16/20 10:00
Percent Solids: 94.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vanadium	24		1.1	0.53	mg/Kg	☼	01/20/20 08:55	01/20/20 16:10	20
Zinc	24		11	5.3	mg/Kg	☼	01/20/20 08:55	01/20/20 16:10	20

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.028		0.021	0.013	mg/Kg	☼	01/22/20 11:23	01/22/20 21:19	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sample Homogenized	yes				NONE			01/17/20 17:19	1
Percent Moisture	5.6		0.1	0.1	%			01/17/20 17:28	1

Client Sample ID: WRSB216_6-15

Lab Sample ID: 440-259163-23
Date Collected: 01/14/20 08:54
Matrix: Solid
Date Received: 01/16/20 10:00
Percent Solids: 94.0

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	11000		11	8.2	mg/Kg	☼	01/20/20 09:03	01/20/20 17:50	5
Boron	4.2	J	5.3	2.7	mg/Kg	☼	01/20/20 09:03	01/20/20 17:50	5
Calcium	3800		27	14	mg/Kg	☼	01/20/20 09:03	01/20/20 17:50	5
Iron	17000		11	7.3	mg/Kg	☼	01/20/20 09:03	01/20/20 17:50	5
Lithium	8.1		5.3	3.0	mg/Kg	☼	01/20/20 09:03	01/20/20 17:50	5
Magnesium	3300		11	5.3	mg/Kg	☼	01/20/20 09:03	01/20/20 17:50	5
Phosphorus	460	F2	5.3	2.7	mg/Kg	☼	01/20/20 09:03	01/20/20 17:50	5
Potassium	1900	F1	66	35	mg/Kg	☼	01/20/20 09:03	01/20/20 17:50	5
Sodium	240		66	34	mg/Kg	☼	01/20/20 09:03	01/20/20 17:50	5
Strontium	60		5.3	2.7	mg/Kg	☼	01/20/20 09:03	01/20/20 17:50	5
Tin	ND		11	5.3	mg/Kg	☼	01/20/20 09:03	01/20/20 17:50	5
Titanium	240		2.1	1.1	mg/Kg	☼	01/20/20 09:03	01/20/20 17:50	5

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.52	J F1	1.1	0.29	mg/Kg	☼	01/20/20 09:03	01/20/20 16:49	20
Arsenic	9.2		0.53	0.27	mg/Kg	☼	01/20/20 09:03	01/20/20 16:49	20
Barium	100		0.53	0.27	mg/Kg	☼	01/20/20 09:03	01/20/20 16:49	20
Beryllium	0.54		0.32	0.16	mg/Kg	☼	01/20/20 09:03	01/20/20 16:49	20
Cadmium	ND		0.53	0.27	mg/Kg	☼	01/20/20 09:03	01/20/20 16:49	20
Chromium	7.3		1.1	0.53	mg/Kg	☼	01/20/20 09:03	01/20/20 16:49	20
Cobalt	4.5		0.53	0.22	mg/Kg	☼	01/20/20 09:03	01/20/20 16:49	20
Copper	830	F2	1.1	0.53	mg/Kg	☼	01/20/20 09:03	01/20/20 16:49	20
Lead	6.4		0.53	0.27	mg/Kg	☼	01/20/20 09:03	01/20/20 16:49	20
Manganese	280		0.53	0.27	mg/Kg	☼	01/20/20 09:03	01/20/20 16:49	20
Molybdenum	5.3		1.1	0.53	mg/Kg	☼	01/20/20 09:03	01/20/20 16:49	20
Nickel	5.9		1.1	0.53	mg/Kg	☼	01/20/20 09:03	01/20/20 16:49	20
Selenium	2.6		1.1	0.21	mg/Kg	☼	01/20/20 09:03	01/20/20 16:49	20
Silver	ND		0.53	0.11	mg/Kg	☼	01/20/20 09:03	01/20/20 16:49	20
Thallium	ND		0.53	0.27	mg/Kg	☼	01/20/20 09:03	01/20/20 16:49	20
Vanadium	28		1.1	0.53	mg/Kg	☼	01/20/20 09:03	01/20/20 16:49	20
Zinc	30		11	5.3	mg/Kg	☼	01/20/20 09:03	01/20/20 16:49	20

Client Sample Results

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

Job ID: 440-259163-1

Client Sample ID: WRSB216_6-15

Lab Sample ID: 440-259163-23
Date Collected: 01/14/20 08:54
Matrix: Solid
Date Received: 01/16/20 10:00
Percent Solids: 94.0

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.069		0.021	0.013	mg/Kg	☼	01/22/20 11:25	01/22/20 19:20	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sample Homogenized	yes				NONE			01/17/20 17:23	1
Percent Moisture	6.0		0.1	0.1	%			01/17/20 17:33	1

Client Sample ID: WRSB208_136.5-141.5

Lab Sample ID: 440-259163-24
Date Collected: 01/09/20 07:50
Matrix: Solid
Date Received: 01/16/20 10:00
Percent Solids: 96.3

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	7600		10	8.0	mg/Kg	☼	01/20/20 09:03	01/20/20 18:00	5
Boron	5.1	J	5.2	2.6	mg/Kg	☼	01/20/20 09:03	01/20/20 18:00	5
Calcium	7200		26	14	mg/Kg	☼	01/20/20 09:03	01/20/20 18:00	5
Iron	14000		10	7.2	mg/Kg	☼	01/20/20 09:03	01/20/20 18:00	5
Lithium	7.5		5.2	2.9	mg/Kg	☼	01/20/20 09:03	01/20/20 18:00	5
Magnesium	3500		10	5.2	mg/Kg	☼	01/20/20 09:03	01/20/20 18:00	5
Phosphorus	660		5.2	2.6	mg/Kg	☼	01/20/20 09:03	01/20/20 18:00	5
Potassium	1400		65	34	mg/Kg	☼	01/20/20 09:03	01/20/20 18:00	5
Sodium	500		65	33	mg/Kg	☼	01/20/20 09:03	01/20/20 18:00	5
Strontium	52		5.2	2.6	mg/Kg	☼	01/20/20 09:03	01/20/20 18:00	5
Tin	ND		10	5.2	mg/Kg	☼	01/20/20 09:03	01/20/20 18:00	5
Titanium	450		2.1	1.0	mg/Kg	☼	01/20/20 09:03	01/20/20 18:00	5

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		1.0	0.28	mg/Kg	☼	01/20/20 09:03	01/20/20 17:11	20
Arsenic	4.2		0.52	0.26	mg/Kg	☼	01/20/20 09:03	01/20/20 17:11	20
Barium	61		0.52	0.26	mg/Kg	☼	01/20/20 09:03	01/20/20 17:11	20
Beryllium	0.31		0.31	0.16	mg/Kg	☼	01/20/20 09:03	01/20/20 17:11	20
Cadmium	ND		0.52	0.26	mg/Kg	☼	01/20/20 09:03	01/20/20 17:11	20
Chromium	9.3		1.0	0.52	mg/Kg	☼	01/20/20 09:03	01/20/20 17:11	20
Cobalt	4.4		0.52	0.22	mg/Kg	☼	01/20/20 09:03	01/20/20 17:11	20
Copper	160		1.0	0.52	mg/Kg	☼	01/20/20 09:03	01/20/20 17:11	20
Lead	3.4		0.52	0.26	mg/Kg	☼	01/20/20 09:03	01/20/20 17:11	20
Manganese	200		0.52	0.26	mg/Kg	☼	01/20/20 09:03	01/20/20 17:11	20
Molybdenum	1.6		1.0	0.52	mg/Kg	☼	01/20/20 09:03	01/20/20 17:11	20
Nickel	6.1		1.0	0.52	mg/Kg	☼	01/20/20 09:03	01/20/20 17:11	20
Selenium	1.0		1.0	0.21	mg/Kg	☼	01/20/20 09:03	01/20/20 17:11	20
Silver	ND		0.52	0.10	mg/Kg	☼	01/20/20 09:03	01/20/20 17:11	20
Thallium	ND		0.52	0.26	mg/Kg	☼	01/20/20 09:03	01/20/20 17:11	20
Vanadium	34		1.0	0.52	mg/Kg	☼	01/20/20 09:03	01/20/20 17:11	20
Zinc	21		10	5.2	mg/Kg	☼	01/20/20 09:03	01/20/20 17:11	20

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.015	J	0.020	0.012	mg/Kg	☼	01/22/20 11:25	01/22/20 19:28	1

Client Sample Results

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

Job ID: 440-259163-1

Client Sample ID: WRSB208_136.5-141.5

Lab Sample ID: 440-259163-24
Date Collected: 01/09/20 07:50
Matrix: Solid
Date Received: 01/16/20 10:00
Percent Solids: 96.3

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sample Homogenized	yes				NONE			01/17/20 17:23	1
Percent Moisture	3.7		0.1	0.1	%			01/17/20 17:33	1

Client Sample ID: WRSB208_146.5-151.5

Lab Sample ID: 440-259163-25
Date Collected: 01/10/20 10:15
Matrix: Solid
Date Received: 01/16/20 10:00
Percent Solids: 98.1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	8800		10	7.8	mg/Kg	☼	01/20/20 09:03	01/20/20 18:02	5
Boron	2.5	J	5.0	2.5	mg/Kg	☼	01/20/20 09:03	01/20/20 18:02	5
Calcium	3000		25	14	mg/Kg	☼	01/20/20 09:03	01/20/20 18:02	5
Iron	13000		10	7.0	mg/Kg	☼	01/20/20 09:03	01/20/20 18:02	5
Lithium	8.6		5.0	2.8	mg/Kg	☼	01/20/20 09:03	01/20/20 18:02	5
Magnesium	2400		10	5.0	mg/Kg	☼	01/20/20 09:03	01/20/20 18:02	5
Phosphorus	400		5.0	2.5	mg/Kg	☼	01/20/20 09:03	01/20/20 18:02	5
Potassium	1100		63	33	mg/Kg	☼	01/20/20 09:03	01/20/20 18:02	5
Sodium	220		63	32	mg/Kg	☼	01/20/20 09:03	01/20/20 18:02	5
Strontium	36		5.0	2.5	mg/Kg	☼	01/20/20 09:03	01/20/20 18:02	5
Tin	ND		10	5.0	mg/Kg	☼	01/20/20 09:03	01/20/20 18:02	5
Titanium	290		2.0	1.0	mg/Kg	☼	01/20/20 09:03	01/20/20 18:02	5

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		1.0	0.27	mg/Kg	☼	01/20/20 09:03	01/20/20 17:14	20
Arsenic	3.5		0.50	0.25	mg/Kg	☼	01/20/20 09:03	01/20/20 17:14	20
Barium	74		0.50	0.25	mg/Kg	☼	01/20/20 09:03	01/20/20 17:14	20
Beryllium	0.41		0.30	0.15	mg/Kg	☼	01/20/20 09:03	01/20/20 17:14	20
Cadmium	ND		0.50	0.25	mg/Kg	☼	01/20/20 09:03	01/20/20 17:14	20
Chromium	8.6		1.0	0.50	mg/Kg	☼	01/20/20 09:03	01/20/20 17:14	20
Cobalt	3.4		0.50	0.21	mg/Kg	☼	01/20/20 09:03	01/20/20 17:14	20
Copper	28		1.0	0.50	mg/Kg	☼	01/20/20 09:03	01/20/20 17:14	20
Lead	4.7		0.50	0.25	mg/Kg	☼	01/20/20 09:03	01/20/20 17:14	20
Manganese	170		0.50	0.25	mg/Kg	☼	01/20/20 09:03	01/20/20 17:14	20
Molybdenum	0.56	J	1.0	0.50	mg/Kg	☼	01/20/20 09:03	01/20/20 17:14	20
Nickel	4.8		1.0	0.50	mg/Kg	☼	01/20/20 09:03	01/20/20 17:14	20
Selenium	1.7		1.0	0.20	mg/Kg	☼	01/20/20 09:03	01/20/20 17:14	20
Silver	ND		0.50	0.10	mg/Kg	☼	01/20/20 09:03	01/20/20 17:14	20
Thallium	ND		0.50	0.25	mg/Kg	☼	01/20/20 09:03	01/20/20 17:14	20
Vanadium	30		1.0	0.50	mg/Kg	☼	01/20/20 09:03	01/20/20 17:14	20
Zinc	27		10	5.0	mg/Kg	☼	01/20/20 09:03	01/20/20 17:14	20

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.020	0.012	mg/Kg	☼	01/22/20 11:25	01/22/20 19:31	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sample Homogenized	yes				NONE			01/17/20 17:23	1
Percent Moisture	1.9		0.1	0.1	%			01/17/20 17:33	1

Client Sample Results

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

Job ID: 440-259163-1

Client Sample ID: WRSB215_0-0.5

Lab Sample ID: 440-259163-26
Date Collected: 01/14/20 08:55
Matrix: Solid
Date Received: 01/16/20 10:00
Percent Solids: 96.6

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	8100		10	8.0	mg/Kg	☼	01/20/20 09:03	01/20/20 18:15	5
Boron	3.2	J	5.2	2.6	mg/Kg	☼	01/20/20 09:03	01/20/20 18:15	5
Calcium	3300		26	14	mg/Kg	☼	01/20/20 09:03	01/20/20 18:15	5
Iron	15000		10	7.2	mg/Kg	☼	01/20/20 09:03	01/20/20 18:15	5
Lithium	7.3		5.2	2.9	mg/Kg	☼	01/20/20 09:03	01/20/20 18:15	5
Magnesium	2600		10	5.2	mg/Kg	☼	01/20/20 09:03	01/20/20 18:15	5
Phosphorus	450		5.2	2.6	mg/Kg	☼	01/20/20 09:03	01/20/20 18:15	5
Potassium	1200		65	34	mg/Kg	☼	01/20/20 09:03	01/20/20 18:15	5
Sodium	390		65	33	mg/Kg	☼	01/20/20 09:03	01/20/20 18:15	5
Strontium	52		5.2	2.6	mg/Kg	☼	01/20/20 09:03	01/20/20 18:15	5
Tin	ND		10	5.2	mg/Kg	☼	01/20/20 09:03	01/20/20 18:15	5
Titanium	450		2.1	1.0	mg/Kg	☼	01/20/20 09:03	01/20/20 18:15	5

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.32	J	1.0	0.28	mg/Kg	☼	01/20/20 09:03	01/20/20 17:16	20
Arsenic	6.8		0.52	0.26	mg/Kg	☼	01/20/20 09:03	01/20/20 17:16	20
Barium	97		0.52	0.26	mg/Kg	☼	01/20/20 09:03	01/20/20 17:16	20
Beryllium	0.46		0.31	0.16	mg/Kg	☼	01/20/20 09:03	01/20/20 17:16	20
Cadmium	ND		0.52	0.26	mg/Kg	☼	01/20/20 09:03	01/20/20 17:16	20
Chromium	8.8		1.0	0.52	mg/Kg	☼	01/20/20 09:03	01/20/20 17:16	20
Cobalt	4.3		0.52	0.22	mg/Kg	☼	01/20/20 09:03	01/20/20 17:16	20
Copper	35		1.0	0.52	mg/Kg	☼	01/20/20 09:03	01/20/20 17:16	20
Lead	4.7		0.52	0.26	mg/Kg	☼	01/20/20 09:03	01/20/20 17:16	20
Manganese	360		0.52	0.26	mg/Kg	☼	01/20/20 09:03	01/20/20 17:16	20
Molybdenum	ND		1.0	0.52	mg/Kg	☼	01/20/20 09:03	01/20/20 17:16	20
Nickel	5.6		1.0	0.52	mg/Kg	☼	01/20/20 09:03	01/20/20 17:16	20
Selenium	1.4		1.0	0.21	mg/Kg	☼	01/20/20 09:03	01/20/20 17:16	20
Silver	ND		0.52	0.10	mg/Kg	☼	01/20/20 09:03	01/20/20 17:16	20
Thallium	ND		0.52	0.26	mg/Kg	☼	01/20/20 09:03	01/20/20 17:16	20
Vanadium	37		1.0	0.52	mg/Kg	☼	01/20/20 09:03	01/20/20 17:16	20
Zinc	28		10	5.2	mg/Kg	☼	01/20/20 09:03	01/20/20 17:16	20

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.015	J	0.021	0.012	mg/Kg	☼	01/22/20 11:25	01/22/20 19:33	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sample Homogenized	yes				NONE			01/17/20 17:23	1
Percent Moisture	3.4		0.1	0.1	%			01/17/20 17:33	1

Client Sample ID: WRSB215_0.5-3

Lab Sample ID: 440-259163-27
Date Collected: 01/14/20 09:02
Matrix: Solid
Date Received: 01/16/20 10:00
Percent Solids: 95.9

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	9100		10	8.0	mg/Kg	☼	01/20/20 09:03	01/20/20 17:54	5
Boron	9.1		5.2	2.6	mg/Kg	☼	01/20/20 09:03	01/20/20 17:54	5
Calcium	7900		26	14	mg/Kg	☼	01/20/20 09:03	01/20/20 17:54	5

Client Sample Results

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

Job ID: 440-259163-1

Client Sample ID: WRSB215_0.5-3

Lab Sample ID: 440-259163-27
Date Collected: 01/14/20 09:02
Matrix: Solid
Date Received: 01/16/20 10:00
Percent Solids: 95.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	15000		10	7.2	mg/Kg	☼	01/20/20 09:03	01/20/20 17:54	5
Lithium	9.0		5.2	2.9	mg/Kg	☼	01/20/20 09:03	01/20/20 17:54	5
Magnesium	3700		10	5.2	mg/Kg	☼	01/20/20 09:03	01/20/20 17:54	5
Phosphorus	530		5.2	2.6	mg/Kg	☼	01/20/20 09:03	01/20/20 17:54	5
Potassium	1400		65	34	mg/Kg	☼	01/20/20 09:03	01/20/20 17:54	5
Sodium	900		65	33	mg/Kg	☼	01/20/20 09:03	01/20/20 17:54	5
Strontium	70		5.2	2.6	mg/Kg	☼	01/20/20 09:03	01/20/20 17:54	5
Tin	ND		10	5.2	mg/Kg	☼	01/20/20 09:03	01/20/20 17:54	5
Titanium	430		2.1	1.0	mg/Kg	☼	01/20/20 09:03	01/20/20 17:54	5

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.37	J	1.0	0.28	mg/Kg	☼	01/20/20 09:03	01/20/20 16:53	20
Arsenic	6.0		0.52	0.26	mg/Kg	☼	01/20/20 09:03	01/20/20 16:53	20
Barium	94		0.52	0.26	mg/Kg	☼	01/20/20 09:03	01/20/20 16:53	20
Beryllium	0.37		0.31	0.16	mg/Kg	☼	01/20/20 09:03	01/20/20 16:53	20
Cadmium	ND		0.52	0.26	mg/Kg	☼	01/20/20 09:03	01/20/20 16:53	20
Chromium	11		1.0	0.52	mg/Kg	☼	01/20/20 09:03	01/20/20 16:53	20
Cobalt	4.6		0.52	0.22	mg/Kg	☼	01/20/20 09:03	01/20/20 16:53	20
Copper	200		1.0	0.52	mg/Kg	☼	01/20/20 09:03	01/20/20 16:53	20
Lead	3.9		0.52	0.26	mg/Kg	☼	01/20/20 09:03	01/20/20 16:53	20
Manganese	220		0.52	0.26	mg/Kg	☼	01/20/20 09:03	01/20/20 16:53	20
Molybdenum	1.6		1.0	0.52	mg/Kg	☼	01/20/20 09:03	01/20/20 16:53	20
Nickel	6.3		1.0	0.52	mg/Kg	☼	01/20/20 09:03	01/20/20 16:53	20
Selenium	1.1		1.0	0.21	mg/Kg	☼	01/20/20 09:03	01/20/20 16:53	20
Silver	ND		0.52	0.10	mg/Kg	☼	01/20/20 09:03	01/20/20 16:53	20
Thallium	ND		0.52	0.26	mg/Kg	☼	01/20/20 09:03	01/20/20 16:53	20
Vanadium	34		1.0	0.52	mg/Kg	☼	01/20/20 09:03	01/20/20 16:53	20
Zinc	23		10	5.2	mg/Kg	☼	01/20/20 09:03	01/20/20 16:53	20

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.021	0.013	mg/Kg	☼	01/22/20 11:25	01/22/20 19:35	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sample Homogenized	yes				NONE			01/17/20 17:23	1
Percent Moisture	4.1		0.1	0.1	%			01/17/20 17:33	1

Client Sample ID: WRSB215_3-6

Lab Sample ID: 440-259163-28
Date Collected: 01/14/20 09:12
Matrix: Solid
Date Received: 01/16/20 10:00
Percent Solids: 95.9

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	8500		10	8.1	mg/Kg	☼	01/20/20 09:03	01/20/20 18:17	5
Boron	4.7	J	5.2	2.6	mg/Kg	☼	01/20/20 09:03	01/20/20 18:17	5
Calcium	5000		26	14	mg/Kg	☼	01/20/20 09:03	01/20/20 18:17	5
Iron	14000		10	7.2	mg/Kg	☼	01/20/20 09:03	01/20/20 18:17	5
Lithium	7.0		5.2	2.9	mg/Kg	☼	01/20/20 09:03	01/20/20 18:17	5
Magnesium	2900		10	5.2	mg/Kg	☼	01/20/20 09:03	01/20/20 18:17	5

Client Sample ID: WRSB215_3-6

Lab Sample ID: 440-259163-28
Date Collected: 01/14/20 09:12
Matrix: Solid
Date Received: 01/16/20 10:00
Percent Solids: 95.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phosphorus	470		5.2	2.6	mg/Kg	☼	01/20/20 09:03	01/20/20 18:17	5
Potassium	1300		65	34	mg/Kg	☼	01/20/20 09:03	01/20/20 18:17	5
Sodium	570		65	34	mg/Kg	☼	01/20/20 09:03	01/20/20 18:17	5
Strontium	51		5.2	2.6	mg/Kg	☼	01/20/20 09:03	01/20/20 18:17	5
Tin	ND		10	5.2	mg/Kg	☼	01/20/20 09:03	01/20/20 18:17	5
Titanium	410		2.1	1.0	mg/Kg	☼	01/20/20 09:03	01/20/20 18:17	5

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.29	J	1.0	0.28	mg/Kg	☼	01/20/20 09:03	01/20/20 17:18	20
Arsenic	4.2		0.52	0.26	mg/Kg	☼	01/20/20 09:03	01/20/20 17:18	20
Barium	81		0.52	0.26	mg/Kg	☼	01/20/20 09:03	01/20/20 17:18	20
Beryllium	0.44		0.31	0.16	mg/Kg	☼	01/20/20 09:03	01/20/20 17:18	20
Cadmium	ND		0.52	0.26	mg/Kg	☼	01/20/20 09:03	01/20/20 17:18	20
Chromium	7.8		1.0	0.52	mg/Kg	☼	01/20/20 09:03	01/20/20 17:18	20
Cobalt	4.9		0.52	0.22	mg/Kg	☼	01/20/20 09:03	01/20/20 17:18	20
Copper	38		1.0	0.52	mg/Kg	☼	01/20/20 09:03	01/20/20 17:18	20
Lead	4.2		0.52	0.26	mg/Kg	☼	01/20/20 09:03	01/20/20 17:18	20
Manganese	280		0.52	0.26	mg/Kg	☼	01/20/20 09:03	01/20/20 17:18	20
Molybdenum	ND		1.0	0.52	mg/Kg	☼	01/20/20 09:03	01/20/20 17:18	20
Nickel	5.2		1.0	0.52	mg/Kg	☼	01/20/20 09:03	01/20/20 17:18	20
Selenium	1.3		1.0	0.21	mg/Kg	☼	01/20/20 09:03	01/20/20 17:18	20
Silver	ND		0.52	0.10	mg/Kg	☼	01/20/20 09:03	01/20/20 17:18	20
Thallium	ND		0.52	0.26	mg/Kg	☼	01/20/20 09:03	01/20/20 17:18	20
Vanadium	35		1.0	0.52	mg/Kg	☼	01/20/20 09:03	01/20/20 17:18	20
Zinc	27		10	5.2	mg/Kg	☼	01/20/20 09:03	01/20/20 17:18	20

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.014	J	0.021	0.013	mg/Kg	☼	01/22/20 11:25	01/22/20 19:37	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sample Homogenized	yes				NONE			01/17/20 17:23	1
Percent Moisture	4.1		0.1	0.1	%			01/17/20 17:33	1

Client Sample ID: FB13

Lab Sample ID: 440-259163-29
Date Collected: 01/14/20 09:22
Matrix: Water
Date Received: 01/16/20 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		01/17/20 05:18	01/17/20 16:30	1
Boron	ND		50	25	ug/L		01/17/20 05:18	01/17/20 16:30	1
Calcium	0.076	J	0.10	0.050	mg/L		01/17/20 05:18	01/17/20 16:30	1
Iron	ND		0.10	0.050	mg/L		01/17/20 05:18	01/17/20 16:30	1
Lithium	ND		500	25	ug/L		01/17/20 05:18	01/17/20 16:30	1
Magnesium	ND		0.020	0.010	mg/L		01/17/20 05:18	01/17/20 16:30	1
Phosphorus	ND		0.20	0.10	mg/L		01/17/20 05:18	01/17/20 16:30	1
Potassium	ND		0.50	0.25	mg/L		01/17/20 05:18	01/17/20 16:30	1
Sodium	ND		0.50	0.26	mg/L		01/17/20 05:18	01/17/20 16:30	1

Client Sample Results

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

Job ID: 440-259163-1

Client Sample ID: FB13

Lab Sample ID: 440-259163-29
Date Collected: 01/14/20 09:22
Matrix: Water
Date Received: 01/16/20 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Strontium	ND		0.020	0.010	mg/L		01/17/20 05:18	01/17/20 16:30	1
Tin	ND		0.10	0.050	mg/L		01/17/20 05:18	01/17/20 16:30	1
Titanium	ND		0.0050	0.0025	mg/L		01/17/20 05:18	01/17/20 16:30	1

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		2.0	0.90	ug/L		01/30/20 13:26	02/05/20 01:52	2
Arsenic	ND		10	4.0	ug/L		01/30/20 13:26	02/05/20 01:52	2
Barium	ND		2.0	0.90	ug/L		01/30/20 13:26	02/05/20 01:52	2
Beryllium	ND		0.50	0.20	ug/L		01/30/20 13:26	02/05/20 01:52	2
Cadmium	ND		0.50	0.20	ug/L		01/30/20 13:26	02/05/20 01:52	2
Cobalt	ND		2.0	0.90	ug/L		01/30/20 13:26	02/05/20 01:52	2
Chromium	ND		10	4.0	ug/L		01/30/20 13:26	02/05/20 01:52	2
Copper	**3.2**		3.0	1.9	ug/L		01/30/20 13:26	02/05/20 01:52	2
Manganese	ND	^	4.0	1.5	ug/L		01/30/20 13:26	02/05/20 01:52	2
Molybdenum	ND		5.0	2.0	ug/L		01/30/20 13:26	02/05/20 01:52	2
Nickel	ND	^	5.0	2.0	ug/L		01/30/20 13:26	02/05/20 01:52	2
Lead	ND		3.0	1.0	ug/L		01/30/20 13:26	02/05/20 01:52	2
Antimony	ND		5.0	2.0	ug/L		01/30/20 13:26	02/05/20 01:52	2
Selenium	ND	^	5.0	2.0	ug/L		01/30/20 13:26	02/05/20 01:52	2
Thorium	ND		2.0	0.90	ug/L		01/30/20 13:26	02/05/20 01:52	2
Thallium	ND		2.0	0.90	ug/L		01/30/20 13:26	02/05/20 01:52	2
Uranium	ND		1.0	0.40	ug/L		01/30/20 13:26	02/05/20 01:52	2
Vanadium	ND		10	4.0	ug/L		01/30/20 13:26	02/05/20 01:52	2
Zinc	ND	^	20	7.5	ug/L		01/30/20 13:26	02/05/20 01:52	2

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00010	mg/L		01/20/20 12:36	01/21/20 12:19	1

Client Sample ID: WRSB215_6-15

Lab Sample ID: 440-259163-30
Date Collected: 01/14/20 09:25
Matrix: Solid
Date Received: 01/16/20 10:00
Percent Solids: 96.2

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**8400**		10	7.9	mg/Kg	☼	01/20/20 09:03	01/20/20 18:20	5
Boron	**4.3**	**J**	5.1	2.6	mg/Kg	☼	01/20/20 09:03	01/20/20 18:20	5
Calcium	**5000**		26	14	mg/Kg	☼	01/20/20 09:03	01/20/20 18:20	5
Iron	**15000**		10	7.1	mg/Kg	☼	01/20/20 09:03	01/20/20 18:20	5
Lithium	**7.6**		5.1	2.9	mg/Kg	☼	01/20/20 09:03	01/20/20 18:20	5
Magnesium	**3200**		10	5.1	mg/Kg	☼	01/20/20 09:03	01/20/20 18:20	5
Phosphorus	**450**		5.1	2.6	mg/Kg	☼	01/20/20 09:03	01/20/20 18:20	5
Potassium	**1300**		64	33	mg/Kg	☼	01/20/20 09:03	01/20/20 18:20	5
Sodium	**440**		64	33	mg/Kg	☼	01/20/20 09:03	01/20/20 18:20	5
Strontium	**53**		5.1	2.6	mg/Kg	☼	01/20/20 09:03	01/20/20 18:20	5
Tin	ND		10	5.1	mg/Kg	☼	01/20/20 09:03	01/20/20 18:20	5
Titanium	**360**		2.1	1.0	mg/Kg	☼	01/20/20 09:03	01/20/20 18:20	5

Client Sample Results

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

Job ID: 440-259163-1

Client Sample ID: WRSB215_6-15

Date Collected: 01/14/20 09:25
Date Received: 01/16/20 10:00

Lab Sample ID: 440-259163-30

Matrix: Solid
Percent Solids: 96.2

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.34	J	1.0	0.28	mg/Kg	☼	01/20/20 09:03	01/20/20 17:20	20
Arsenic	4.6		0.51	0.26	mg/Kg	☼	01/20/20 09:03	01/20/20 17:20	20
Barium	83		0.51	0.26	mg/Kg	☼	01/20/20 09:03	01/20/20 17:20	20
Beryllium	0.42		0.31	0.15	mg/Kg	☼	01/20/20 09:03	01/20/20 17:20	20
Cadmium	ND		0.51	0.26	mg/Kg	☼	01/20/20 09:03	01/20/20 17:20	20
Chromium	8.3		1.0	0.51	mg/Kg	☼	01/20/20 09:03	01/20/20 17:20	20
Cobalt	4.8		0.51	0.22	mg/Kg	☼	01/20/20 09:03	01/20/20 17:20	20
Copper	52		1.0	0.51	mg/Kg	☼	01/20/20 09:03	01/20/20 17:20	20
Lead	4.2		0.51	0.26	mg/Kg	☼	01/20/20 09:03	01/20/20 17:20	20
Manganese	290		0.51	0.26	mg/Kg	☼	01/20/20 09:03	01/20/20 17:20	20
Molybdenum	0.65	J	1.0	0.51	mg/Kg	☼	01/20/20 09:03	01/20/20 17:20	20
Nickel	6.0		1.0	0.51	mg/Kg	☼	01/20/20 09:03	01/20/20 17:20	20
Selenium	1.4		1.0	0.21	mg/Kg	☼	01/20/20 09:03	01/20/20 17:20	20
Silver	ND		0.51	0.10	mg/Kg	☼	01/20/20 09:03	01/20/20 17:20	20
Thallium	ND		0.51	0.26	mg/Kg	☼	01/20/20 09:03	01/20/20 17:20	20
Vanadium	34		1.0	0.51	mg/Kg	☼	01/20/20 09:03	01/20/20 17:20	20
Zinc	27		10	5.1	mg/Kg	☼	01/20/20 09:03	01/20/20 17:20	20

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.023		0.021	0.013	mg/Kg	☼	01/22/20 11:25	01/22/20 19:44	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sample Homogenized	yes				NONE			01/17/20 17:23	1
Percent Moisture	3.8		0.1	0.1	%			01/17/20 17:33	1

QC Sample Results

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

Job ID: 440-259163-1

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 440-591338/1-A ^5
Matrix: Solid
Analysis Batch: 591490

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 591338

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		10	7.7	mg/Kg		01/20/20 08:55	01/20/20 18:24	5
Boron	ND		5.0	2.5	mg/Kg		01/20/20 08:55	01/20/20 18:24	5
Calcium	ND		25	14	mg/Kg		01/20/20 08:55	01/20/20 18:24	5
Iron	ND		10	6.9	mg/Kg		01/20/20 08:55	01/20/20 18:24	5
Lithium	ND		5.0	2.8	mg/Kg		01/20/20 08:55	01/20/20 18:24	5
Magnesium	ND		10	5.0	mg/Kg		01/20/20 08:55	01/20/20 18:24	5
Phosphorus	ND		5.0	2.5	mg/Kg		01/20/20 08:55	01/20/20 18:24	5
Potassium	ND		63	33	mg/Kg		01/20/20 08:55	01/20/20 18:24	5
Sodium	ND		63	32	mg/Kg		01/20/20 08:55	01/20/20 18:24	5
Strontium	ND		5.0	2.5	mg/Kg		01/20/20 08:55	01/20/20 18:24	5
Tin	ND		10	5.0	mg/Kg		01/20/20 08:55	01/20/20 18:24	5
Titanium	ND		2.0	1.0	mg/Kg		01/20/20 08:55	01/20/20 18:24	5

Lab Sample ID: LCS 440-591338/2-A ^5
Matrix: Solid
Analysis Batch: 591490

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 591338

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	50.5	47.5		mg/Kg		94	80 - 120
Boron	50.5	45.3		mg/Kg		90	80 - 120
Calcium	253	236		mg/Kg		94	80 - 120
Iron	50.5	55.4		mg/Kg		110	80 - 120
Lithium	50.5	46.3		mg/Kg		92	80 - 120
Magnesium	253	231		mg/Kg		92	80 - 120
Phosphorus	50.5	45.1		mg/Kg		89	80 - 120
Potassium	505	470		mg/Kg		93	80 - 120
Sodium	505	465		mg/Kg		92	80 - 120
Strontium	50.5	46.2		mg/Kg		92	80 - 120
Tin	50.5	48.4		mg/Kg		96	80 - 120
Titanium	50.5	47.6		mg/Kg		94	80 - 120

Lab Sample ID: 440-259163-11 MS
Matrix: Solid
Analysis Batch: 591490

Client Sample ID: WRSB214_0.5-3
Prep Type: Total/NA
Prep Batch: 591338

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	8200		52.5	10400	4	mg/Kg	☼	4078	75 - 125
Boron	4.5	J	52.5	49.1		mg/Kg	☼	85	75 - 125
Calcium	9700		262	6860	4	mg/Kg	☼	-1102	75 - 125
Iron	14000		52.5	14100	4	mg/Kg	☼	693	75 - 125
Lithium	7.4		52.5	54.1		mg/Kg	☼	89	75 - 125
Magnesium	3200		262	3670	4	mg/Kg	☼	170	75 - 125
Phosphorus	450		52.5	516	4	mg/Kg	☼	132	75 - 125
Potassium	1300		525	1830		mg/Kg	☼	95	75 - 125
Sodium	740	F1	525	1040	F1	mg/Kg	☼	57	75 - 125
Strontium	86	F1	52.5	107	F1	mg/Kg	☼	41	75 - 125
Tin	ND		52.5	47.3		mg/Kg	☼	90	75 - 125
Titanium	320		52.5	503	4	mg/Kg	☼	345	75 - 125

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

Lab Sample ID: 440-259163-11 MSD — **Client Sample ID: WRSB214_0.5-3**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 591490 — **Prep Batch: 591338**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aluminum	8200		52.2	9500	4	mg/Kg	☼	2467	75 - 125	9	20
Boron	4.5	J	52.2	51.5		mg/Kg	☼	90	75 - 125	5	20
Calcium	9700		261	6490	4	mg/Kg	☼	-1248	75 - 125	6	20
Iron	14000		52.2	14000	4	mg/Kg	☼	512	75 - 125	1	20
Lithium	7.4		52.2	55.7		mg/Kg	☼	93	75 - 125	3	20
Magnesium	3200		261	3530	4	mg/Kg	☼	114	75 - 125	4	20
Phosphorus	450		52.2	495	4	mg/Kg	☼	92	75 - 125	4	20
Potassium	1300		522	1950		mg/Kg	☼	118	75 - 125	6	20
Sodium	740	F1	522	1040	F1	mg/Kg	☼	57	75 - 125	0	20
Strontium	86	F1	52.2	103	F1	mg/Kg	☼	33	75 - 125	4	20
Tin	ND		52.2	50.3		mg/Kg	☼	96	75 - 125	6	20
Titanium	320		52.2	496	4	mg/Kg	☼	333	75 - 125	1	20

Lab Sample ID: MB 440-591341/1-A ^5 — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 591489 — **Prep Batch: 591341**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		10	7.8	mg/Kg		01/20/20 09:03	01/20/20 17:44	5
Boron	ND		5.1	2.5	mg/Kg		01/20/20 09:03	01/20/20 17:44	5
Calcium	ND		25	14	mg/Kg		01/20/20 09:03	01/20/20 17:44	5
Iron	ND		10	7.0	mg/Kg		01/20/20 09:03	01/20/20 17:44	5
Lithium	ND		5.1	2.8	mg/Kg		01/20/20 09:03	01/20/20 17:44	5
Magnesium	ND		10	5.1	mg/Kg		01/20/20 09:03	01/20/20 17:44	5
Phosphorus	ND		5.1	2.5	mg/Kg		01/20/20 09:03	01/20/20 17:44	5
Potassium	ND		63	33	mg/Kg		01/20/20 09:03	01/20/20 17:44	5
Sodium	ND		63	32	mg/Kg		01/20/20 09:03	01/20/20 17:44	5
Strontium	ND		5.1	2.5	mg/Kg		01/20/20 09:03	01/20/20 17:44	5
Tin	ND		10	5.1	mg/Kg		01/20/20 09:03	01/20/20 17:44	5
Titanium	ND		2.0	1.0	mg/Kg		01/20/20 09:03	01/20/20 17:44	5

Lab Sample ID: LCS 440-591341/2-A ^5 — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 591489 — **Prep Batch: 591341**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	49.8	45.1		mg/Kg		91	80 - 120
Boron	49.8	44.1		mg/Kg		89	80 - 120
Calcium	249	229		mg/Kg		92	80 - 120
Iron	49.8	50.5		mg/Kg		102	80 - 120
Lithium	49.8	44.2		mg/Kg		89	80 - 120
Magnesium	249	223		mg/Kg		90	80 - 120
Phosphorus	49.8	44.0		mg/Kg		88	80 - 120
Potassium	498	453		mg/Kg		91	80 - 120
Sodium	498	449		mg/Kg		90	80 - 120
Strontium	49.8	44.4		mg/Kg		89	80 - 120
Tin	49.8	46.9		mg/Kg		94	80 - 120
Titanium	49.8	45.7		mg/Kg		92	80 - 120

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

Lab Sample ID: 440-259163-23 MS
Matrix: Solid
Analysis Batch: 591489

Client Sample ID: WRSB216_6-15
Prep Type: Total/NA
Prep Batch: 591341

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	11000		54.0	13600	4	mg/Kg	☼	4659	75 - 125
Boron	4.2	J	54.0	47.8		mg/Kg	☼	81	75 - 125
Calcium	3800		270	3850	4	mg/Kg	☼	32	75 - 125
Iron	17000		54.0	17100	4	mg/Kg	☼	376	75 - 125
Lithium	8.1		54.0	55.4		mg/Kg	☼	88	75 - 125
Magnesium	3300		270	3720	4	mg/Kg	☼	138	75 - 125
Phosphorus	460	F2	54.0	621	4	mg/Kg	☼	291	75 - 125
Potassium	1900	F1	540	2440		mg/Kg	☼	109	75 - 125
Sodium	240		540	689		mg/Kg	☼	82	75 - 125
Strontium	60		54.0	103		mg/Kg	☼	79	75 - 125
Tin	ND		54.0	48.3		mg/Kg	☼	89	75 - 125
Titanium	240		54.0	390	4	mg/Kg	☼	283	75 - 125

Lab Sample ID: 440-259163-23 MSD
Matrix: Solid
Analysis Batch: 591489

Client Sample ID: WRSB216_6-15
Prep Type: Total/NA
Prep Batch: 591341

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aluminum	11000		53.4	12700	4	mg/Kg	☼	2870	75 - 125	7	20
Boron	4.2	J	53.4	47.2		mg/Kg	☼	80	75 - 125	1	20
Calcium	3800		267	3320	4	mg/Kg	☼	-168	75 - 125	15	20
Iron	17000		53.4	16000	4	mg/Kg	☼	-1617	75 - 125	6	20
Lithium	8.1		53.4	54.1		mg/Kg	☼	86	75 - 125	2	20
Magnesium	3300		267	3320	4	mg/Kg	☼	-11	75 - 125	11	20
Phosphorus	460	F2	53.4	412	4 F2	mg/Kg	☼	-96	75 - 125	40	20
Potassium	1900	F1	534	2250	F1	mg/Kg	☼	74	75 - 125	8	20
Sodium	240		534	708		mg/Kg	☼	87	75 - 125	3	20
Strontium	60		53.4	105		mg/Kg	☼	84	75 - 125	2	20
Tin	ND		53.4	47.5		mg/Kg	☼	89	75 - 125	2	20
Titanium	240		53.4	372	4	mg/Kg	☼	252	75 - 125	5	20

Lab Sample ID: MB 440-590989/1-A
Matrix: Water
Analysis Batch: 591185

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 590989

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.10	0.050	mg/L		01/17/20 05:18	01/17/20 15:46	1
Boron	ND		50	25	ug/L		01/17/20 05:18	01/17/20 15:46	1
Calcium	ND		0.10	0.050	mg/L		01/17/20 05:18	01/17/20 15:46	1
Iron	ND		0.10	0.050	mg/L		01/17/20 05:18	01/17/20 15:46	1
Lithium	ND		500	25	ug/L		01/17/20 05:18	01/17/20 15:46	1
Magnesium	ND		0.020	0.010	mg/L		01/17/20 05:18	01/17/20 15:46	1
Phosphorus	ND		0.20	0.10	mg/L		01/17/20 05:18	01/17/20 15:46	1
Potassium	ND		0.50	0.25	mg/L		01/17/20 05:18	01/17/20 15:46	1
Sodium	ND		0.50	0.26	mg/L		01/17/20 05:18	01/17/20 15:46	1
Strontium	ND		0.020	0.010	mg/L		01/17/20 05:18	01/17/20 15:46	1
Tin	ND		0.10	0.050	mg/L		01/17/20 05:18	01/17/20 15:46	1
Titanium	ND		0.0050	0.0025	mg/L		01/17/20 05:18	01/17/20 15:46	1

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

Lab Sample ID: LCS 440-590989/2-A
Matrix: Water
Analysis Batch: 591185

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 590989

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	1.00	1.03		mg/L		103	80 - 120
Boron	1000	1010		ug/L		101	80 - 120
Calcium	5.00	5.12		mg/L		102	80 - 120
Iron	1.00	1.05		mg/L		105	80 - 120
Lithium	1000	1020		ug/L		102	80 - 120
Magnesium	5.00	5.07		mg/L		101	80 - 120
Phosphorus	1.00	1.00		mg/L		100	80 - 120
Potassium	10.0	10.2		mg/L		102	80 - 120
Sodium	10.0	10.0		mg/L		100	80 - 120
Strontium	1.00	1.02		mg/L		102	80 - 120
Tin	1.00	1.02		mg/L		102	80 - 120
Titanium	1.00	1.04		mg/L		104	80 - 120

Lab Sample ID: 440-259169-A-4-B MS
Matrix: Water
Analysis Batch: 591185

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 590989

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	0.73	F1	1.00	1.96		mg/L		123	75 - 125
Boron	220		1000	1280		ug/L		106	75 - 125
Calcium	70		5.00	74.7	4	mg/L		89	75 - 125
Iron	1.1		1.00	2.21		mg/L		107	75 - 125
Lithium	ND		1000	1050		ug/L		105	75 - 125
Magnesium	13		5.00	18.0		mg/L		101	75 - 125
Phosphorus	6.8		1.00	7.37	4	mg/L		61	75 - 125
Potassium	19		10.0	29.2		mg/L		102	75 - 125
Sodium	98		10.0	107	4	mg/L		88	75 - 125
Strontium	0.34		1.00	1.38		mg/L		105	75 - 125
Tin	0.066	J	1.00	1.13		mg/L		106	75 - 125
Titanium	0.032		1.00	1.11		mg/L		108	75 - 125

Lab Sample ID: 440-259169-A-4-C MSD
Matrix: Water
Analysis Batch: 591185

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 590989

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aluminum	0.73	F1	1.00	2.01	F1	mg/L		128	75 - 125	3	20
Boron	220		1000	1270		ug/L		106	75 - 125	0	20
Calcium	70		5.00	76.8	4	mg/L		130	75 - 125	3	20
Iron	1.1		1.00	2.27		mg/L		112	75 - 125	2	20
Lithium	ND		1000	1040		ug/L		104	75 - 125	1	20
Magnesium	13		5.00	18.3		mg/L		106	75 - 125	1	20
Phosphorus	6.8		1.00	7.56	4	mg/L		79	75 - 125	3	20
Potassium	19		10.0	29.6		mg/L		106	75 - 125	1	20
Sodium	98		10.0	109	4	mg/L		114	75 - 125	2	20
Strontium	0.34		1.00	1.38		mg/L		104	75 - 125	0	20
Tin	0.066	J	1.00	1.12		mg/L		106	75 - 125	1	20
Titanium	0.032		1.00	1.09		mg/L		106	75 - 125	1	20

QC Sample Results

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

Job ID: 440-259163-1

Method: 6020 - Metals (ICP/MS)

Lab Sample ID: MB 440-591338/1-A ^20
Matrix: Solid
Analysis Batch: 591449

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 591338

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		1.0	0.27	mg/Kg		01/20/20 08:55	01/20/20 15:09	20
Arsenic	ND		0.50	0.25	mg/Kg		01/20/20 08:55	01/20/20 15:09	20
Barium	ND		0.50	0.25	mg/Kg		01/20/20 08:55	01/20/20 15:09	20
Beryllium	ND		0.30	0.15	mg/Kg		01/20/20 08:55	01/20/20 15:09	20
Cadmium	ND		0.50	0.25	mg/Kg		01/20/20 08:55	01/20/20 15:09	20
Chromium	ND		1.0	0.50	mg/Kg		01/20/20 08:55	01/20/20 15:09	20
Cobalt	ND		0.50	0.21	mg/Kg		01/20/20 08:55	01/20/20 15:09	20
Copper	ND		1.0	0.50	mg/Kg		01/20/20 08:55	01/20/20 15:09	20
Lead	ND		0.50	0.25	mg/Kg		01/20/20 08:55	01/20/20 15:09	20
Manganese	ND		0.50	0.25	mg/Kg		01/20/20 08:55	01/20/20 15:09	20
Molybdenum	ND		1.0	0.50	mg/Kg		01/20/20 08:55	01/20/20 15:09	20
Nickel	ND		1.0	0.50	mg/Kg		01/20/20 08:55	01/20/20 15:09	20
Selenium	ND		1.0	0.20	mg/Kg		01/20/20 08:55	01/20/20 15:09	20
Silver	ND		0.50	0.10	mg/Kg		01/20/20 08:55	01/20/20 15:09	20
Thallium	ND		0.50	0.25	mg/Kg		01/20/20 08:55	01/20/20 15:09	20
Vanadium	ND		1.0	0.50	mg/Kg		01/20/20 08:55	01/20/20 15:09	20
Zinc	ND		10	5.0	mg/Kg		01/20/20 08:55	01/20/20 15:09	20

Lab Sample ID: LCS 440-591338/2-A ^20
Matrix: Solid
Analysis Batch: 591449

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 591338

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	50.5	48.4		mg/Kg		96	80 - 120
Arsenic	50.5	48.1		mg/Kg		95	80 - 120
Barium	50.5	48.5		mg/Kg		96	80 - 120
Beryllium	50.5	46.8		mg/Kg		93	80 - 120
Cadmium	50.5	48.0		mg/Kg		95	80 - 120
Chromium	50.5	48.1		mg/Kg		95	80 - 120
Cobalt	50.5	48.3		mg/Kg		96	80 - 120
Copper	50.5	49.3		mg/Kg		98	80 - 120
Lead	50.5	48.2		mg/Kg		95	80 - 120
Manganese	50.5	47.8		mg/Kg		95	80 - 120
Molybdenum	50.5	48.5		mg/Kg		96	80 - 120
Nickel	50.5	48.3		mg/Kg		96	80 - 120
Selenium	50.5	46.4		mg/Kg		92	80 - 120
Silver	25.3	25.6		mg/Kg		102	80 - 120
Thallium	50.5	47.8		mg/Kg		95	80 - 120
Vanadium	50.5	48.0		mg/Kg		95	80 - 120
Zinc	50.5	51.6		mg/Kg		102	80 - 120

Lab Sample ID: 440-259163-11 MS
Matrix: Solid
Analysis Batch: 591449

Client Sample ID: WRSB214_0.5-3
Prep Type: Total/NA
Prep Batch: 591338

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	0.48	J F1	52.5	36.8	F1	mg/Kg	☼	69	75 - 125
Arsenic	5.9		52.5	52.8		mg/Kg	☼	89	75 - 125
Barium	120	F1	52.5	137	F1	mg/Kg	☼	25	75 - 125

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

Lab Sample ID: 440-259163-11 MS — **Client Sample ID: WRSB214_0.5-3**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 591449 — **Prep Batch: 591338**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Beryllium	0.52		52.5	45.8		mg/Kg	☼	86	75 - 125
Cadmium	ND		52.5	48.0		mg/Kg	☼	92	75 - 125
Chromium	7.8		52.5	54.2		mg/Kg	☼	88	75 - 125
Cobalt	4.6		52.5	50.1		mg/Kg	☼	87	75 - 125
Copper	75		52.5	118		mg/Kg	☼	82	75 - 125
Lead	4.2		52.5	51.7		mg/Kg	☼	90	75 - 125
Manganese	220		52.5	299	4	mg/Kg	☼	156	75 - 125
Molybdenum	0.73	J	52.5	48.7		mg/Kg	☼	91	75 - 125
Nickel	5.5		52.5	51.0		mg/Kg	☼	87	75 - 125
Selenium	1.4		52.5	47.2		mg/Kg	☼	87	75 - 125
Silver	ND		26.2	25.4		mg/Kg	☼	97	75 - 125
Thallium	ND		52.5	46.7		mg/Kg	☼	89	75 - 125
Vanadium	32		52.5	80.0		mg/Kg	☼	92	75 - 125
Zinc	24		52.5	72.0		mg/Kg	☼	92	75 - 125

Lab Sample ID: 440-259163-11 MSD — **Client Sample ID: WRSB214_0.5-3**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 591449 — **Prep Batch: 591338**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	0.48	J F1	52.2	38.5	F1	mg/Kg	☼	73	75 - 125	4	20
Arsenic	5.9		52.2	54.4		mg/Kg	☼	93	75 - 125	3	20
Barium	120	F1	52.2	137	F1	mg/Kg	☼	25	75 - 125	0	20
Beryllium	0.52		52.2	47.2		mg/Kg	☼	90	75 - 125	3	20
Cadmium	ND		52.2	49.7		mg/Kg	☼	95	75 - 125	3	20
Chromium	7.8		52.2	55.0		mg/Kg	☼	90	75 - 125	2	20
Cobalt	4.6		52.2	51.2		mg/Kg	☼	89	75 - 125	2	20
Copper	75		52.2	121		mg/Kg	☼	88	75 - 125	3	20
Lead	4.2		52.2	52.7		mg/Kg	☼	93	75 - 125	2	20
Manganese	220		52.2	264	4	mg/Kg	☼	89	75 - 125	13	20
Molybdenum	0.73	J	52.2	50.9		mg/Kg	☼	96	75 - 125	4	20
Nickel	5.5		52.2	51.6		mg/Kg	☼	88	75 - 125	1	20
Selenium	1.4		52.2	48.8		mg/Kg	☼	91	75 - 125	3	20
Silver	ND		26.1	26.3		mg/Kg	☼	101	75 - 125	3	20
Thallium	ND		52.2	48.2		mg/Kg	☼	92	75 - 125	3	20
Vanadium	32		52.2	79.7		mg/Kg	☼	91	75 - 125	0	20
Zinc	24		52.2	74.7		mg/Kg	☼	98	75 - 125	4	20

Lab Sample ID: MB 440-591341/1-A ^20 — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 591561 — **Prep Batch: 591341**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		1.0	0.27	mg/Kg		01/20/20 09:03	01/20/20 16:45	20
Arsenic	ND		0.51	0.25	mg/Kg		01/20/20 09:03	01/20/20 16:45	20
Barium	ND		0.51	0.25	mg/Kg		01/20/20 09:03	01/20/20 16:45	20
Beryllium	ND		0.30	0.15	mg/Kg		01/20/20 09:03	01/20/20 16:45	20
Cadmium	ND		0.51	0.25	mg/Kg		01/20/20 09:03	01/20/20 16:45	20
Chromium	ND		1.0	0.51	mg/Kg		01/20/20 09:03	01/20/20 16:45	20

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

Lab Sample ID: MB 440-591341/1-A ^20 — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 591561 — **Prep Batch: 591341**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	ND		0.51	0.21	mg/Kg		01/20/20 09:03	01/20/20 16:45	20
Copper	ND		1.0	0.51	mg/Kg		01/20/20 09:03	01/20/20 16:45	20
Lead	ND		0.51	0.25	mg/Kg		01/20/20 09:03	01/20/20 16:45	20
Manganese	ND		0.51	0.25	mg/Kg		01/20/20 09:03	01/20/20 16:45	20
Molybdenum	ND		1.0	0.51	mg/Kg		01/20/20 09:03	01/20/20 16:45	20
Nickel	ND		1.0	0.51	mg/Kg		01/20/20 09:03	01/20/20 16:45	20
Selenium	ND		1.0	0.20	mg/Kg		01/20/20 09:03	01/20/20 16:45	20
Silver	ND		0.51	0.10	mg/Kg		01/20/20 09:03	01/20/20 16:45	20
Thallium	ND		0.51	0.25	mg/Kg		01/20/20 09:03	01/20/20 16:45	20
Vanadium	ND		1.0	0.51	mg/Kg		01/20/20 09:03	01/20/20 16:45	20
Zinc	ND		10	5.1	mg/Kg		01/20/20 09:03	01/20/20 16:45	20

Lab Sample ID: LCS 440-591341/2-A ^20 — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 591561 — **Prep Batch: 591341**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	49.8	45.4		mg/Kg		91	80 - 120
Arsenic	49.8	45.1		mg/Kg		91	80 - 120
Barium	49.8	45.1		mg/Kg		91	80 - 120
Beryllium	49.8	45.2		mg/Kg		91	80 - 120
Cadmium	49.8	44.9		mg/Kg		90	80 - 120
Chromium	49.8	45.4		mg/Kg		91	80 - 120
Cobalt	49.8	45.3		mg/Kg		91	80 - 120
Copper	49.8	46.2		mg/Kg		93	80 - 120
Lead	49.8	45.1		mg/Kg		91	80 - 120
Manganese	49.8	44.8		mg/Kg		90	80 - 120
Molybdenum	49.8	45.3		mg/Kg		91	80 - 120
Nickel	49.8	44.9		mg/Kg		90	80 - 120
Selenium	49.8	44.2		mg/Kg		89	80 - 120
Silver	24.9	23.9		mg/Kg		96	80 - 120
Thallium	49.8	44.9		mg/Kg		90	80 - 120
Vanadium	49.8	45.2		mg/Kg		91	80 - 120
Zinc	49.8	44.9		mg/Kg		90	80 - 120

Lab Sample ID: 440-259163-23 MS — **Client Sample ID: WRSB216_6-15**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 591561 — **Prep Batch: 591341**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	0.52	J F1	54.0	34.2	F1	mg/Kg	☼	62	75 - 125
Arsenic	9.2		54.0	54.8		mg/Kg	☼	84	75 - 125
Barium	100		54.0	148		mg/Kg	☼	87	75 - 125
Beryllium	0.54		54.0	45.4		mg/Kg	☼	83	75 - 125
Cadmium	ND		54.0	47.1		mg/Kg	☼	87	75 - 125
Chromium	7.3		54.0	52.8		mg/Kg	☼	84	75 - 125
Cobalt	4.5		54.0	50.0		mg/Kg	☼	84	75 - 125
Copper	830	F2	54.0	798	4	mg/Kg	☼	-59	75 - 125
Lead	6.4		54.0	54.4		mg/Kg	☼	89	75 - 125

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

Lab Sample ID: 440-259163-23 MS — **Client Sample ID: WRSB216_6-15**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 591561 — **Prep Batch: 591341**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Manganese	280		54.0	322	4	mg/Kg	☼	75	75 - 125
Molybdenum	5.3		54.0	52.7		mg/Kg	☼	88	75 - 125
Nickel	5.9		54.0	51.1		mg/Kg	☼	84	75 - 125
Selenium	2.6		54.0	46.7		mg/Kg	☼	82	75 - 125
Silver	ND		27.0	24.9		mg/Kg	☼	92	75 - 125
Thallium	ND		54.0	46.4		mg/Kg	☼	86	75 - 125
Vanadium	28		54.0	72.4		mg/Kg	☼	82	75 - 125
Zinc	30		54.0	77.2		mg/Kg	☼	87	75 - 125

Lab Sample ID: 440-259163-23 MSD — **Client Sample ID: WRSB216_6-15**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 591561 — **Prep Batch: 591341**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	0.52	J F1	53.4	34.3	F1	mg/Kg	☼	63	75 - 125	0	20
Arsenic	9.2		53.4	54.4		mg/Kg	☼	85	75 - 125	1	20
Barium	100		53.4	147		mg/Kg	☼	87	75 - 125	0	20
Beryllium	0.54		53.4	46.7		mg/Kg	☼	86	75 - 125	3	20
Cadmium	ND		53.4	47.4		mg/Kg	☼	89	75 - 125	1	20
Chromium	7.3		53.4	52.3		mg/Kg	☼	84	75 - 125	1	20
Cobalt	4.5		53.4	49.6		mg/Kg	☼	84	75 - 125	1	20
Copper	830	F2	53.4	636	4 F2	mg/Kg	☼	-363	75 - 125	23	20
Lead	6.4		53.4	52.8		mg/Kg	☼	87	75 - 125	3	20
Manganese	280		53.4	306	4	mg/Kg	☼	46	75 - 125	5	20
Molybdenum	5.3		53.4	51.9		mg/Kg	☼	87	75 - 125	1	20
Nickel	5.9		53.4	50.6		mg/Kg	☼	84	75 - 125	1	20
Selenium	2.6		53.4	47.0		mg/Kg	☼	83	75 - 125	1	20
Silver	ND		26.7	25.0		mg/Kg	☼	93	75 - 125	0	20
Thallium	ND		53.4	46.6		mg/Kg	☼	87	75 - 125	1	20
Vanadium	28		53.4	71.0		mg/Kg	☼	81	75 - 125	2	20
Zinc	30		53.4	76.6		mg/Kg	☼	87	75 - 125	1	20

Method: 6020A - Metals (ICP/MS)

Lab Sample ID: MB 160-458673/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 459370 — **Prep Batch: 458673**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		2.0	0.90	ug/L		01/30/20 13:26	02/05/20 01:05	2
Arsenic	ND		10	4.0	ug/L		01/30/20 13:26	02/05/20 01:05	2
Barium	ND		2.0	0.90	ug/L		01/30/20 13:26	02/05/20 01:05	2
Beryllium	ND		0.50	0.20	ug/L		01/30/20 13:26	02/05/20 01:05	2
Cadmium	ND		0.50	0.20	ug/L		01/30/20 13:26	02/05/20 01:05	2
Cobalt	ND		2.0	0.90	ug/L		01/30/20 13:26	02/05/20 01:05	2
Chromium	ND		10	4.0	ug/L		01/30/20 13:26	02/05/20 01:05	2
Copper	ND		3.0	1.9	ug/L		01/30/20 13:26	02/05/20 01:05	2
Manganese	ND	^	4.0	1.5	ug/L		01/30/20 13:26	02/05/20 01:05	2
Molybdenum	ND		5.0	2.0	ug/L		01/30/20 13:26	02/05/20 01:05	2

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

Lab Sample ID: MB 160-458673/1-A
Matrix: Water
Analysis Batch: 459370

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 458673

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nickel	ND	^	5.0	2.0	ug/L		01/30/20 13:26	02/05/20 01:05	2
Lead	ND		3.0	1.0	ug/L		01/30/20 13:26	02/05/20 01:05	2
Antimony	ND		5.0	2.0	ug/L		01/30/20 13:26	02/05/20 01:05	2
Selenium	ND	^	5.0	2.0	ug/L		01/30/20 13:26	02/05/20 01:05	2
Thorium	ND		2.0	0.90	ug/L		01/30/20 13:26	02/05/20 01:05	2
Thallium	ND		2.0	0.90	ug/L		01/30/20 13:26	02/05/20 01:05	2
Uranium	ND		1.0	0.40	ug/L		01/30/20 13:26	02/05/20 01:05	2
Vanadium	ND		10	4.0	ug/L		01/30/20 13:26	02/05/20 01:05	2
Zinc	ND	^	20	7.5	ug/L		01/30/20 13:26	02/05/20 01:05	2

Lab Sample ID: LCS 160-458673/2-A
Matrix: Water
Analysis Batch: 459370

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 458673

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Silver	200	190		ug/L		95	80 - 120
Arsenic	1000	971		ug/L		97	80 - 120
Barium	1000	945		ug/L		95	80 - 120
Beryllium	100	94.5		ug/L		94	80 - 120
Cadmium	1000	972		ug/L		97	80 - 120
Cobalt	1000	1020		ug/L		102	80 - 120
Chromium	1000	980		ug/L		98	80 - 120
Copper	1000	1020		ug/L		102	80 - 120
Manganese	1000	1010	^	ug/L		101	80 - 120
Molybdenum	500	497		ug/L		99	80 - 120
Nickel	1000	1080	^	ug/L		108	80 - 120
Lead	1000	981		ug/L		98	80 - 120
Antimony	500	487		ug/L		97	80 - 120
Selenium	500	486	^	ug/L		97	80 - 120
Thorium	1000	970		ug/L		97	80 - 120
Thallium	200	198		ug/L		99	80 - 120
Uranium	1000	981		ug/L		98	80 - 120
Vanadium	1000	965		ug/L		96	80 - 120
Zinc	1000	981	^	ug/L		98	80 - 120

Lab Sample ID: 440-259163-6 MS
Matrix: Water
Analysis Batch: 459370

Client Sample ID: FB12
Prep Type: Total/NA
Prep Batch: 458673

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Silver	ND		200	197		ug/L		99	75 - 125
Arsenic	ND		1000	988		ug/L		99	75 - 125
Barium	ND		1000	993		ug/L		99	75 - 125
Beryllium	ND		100	99.1		ug/L		99	75 - 125
Cadmium	ND		1000	1010		ug/L		101	75 - 125
Cobalt	ND		1000	1040		ug/L		104	75 - 125
Chromium	ND		1000	973		ug/L		97	75 - 125
Copper	ND		1000	1050		ug/L		105	75 - 125
Manganese	ND	^	1000	1030	^	ug/L		103	75 - 125

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

Lab Sample ID: 440-259163-6 MS
Matrix: Water
Analysis Batch: 459370

Client Sample ID: FB12
Prep Type: Total/NA
Prep Batch: 458673

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Molybdenum	ND		500	512		ug/L		102	75 - 125
Nickel	ND	^	1000	1100	^	ug/L		110	75 - 125
Lead	ND		1000	1020		ug/L		102	75 - 125
Antimony	ND		500	512		ug/L		102	75 - 125
Selenium	ND	^	500	490	^	ug/L		98	75 - 125
Thorium	ND		1000	1020		ug/L		102	75 - 125
Thallium	ND		200	206		ug/L		103	75 - 125
Uranium	ND		1000	1020		ug/L		102	75 - 125
Vanadium	ND		1000	964		ug/L		96	75 - 125
Zinc	ND	^	1000	999	^	ug/L		100	75 - 125

Lab Sample ID: 440-259163-6 MSD
Matrix: Water
Analysis Batch: 459370

Client Sample ID: FB12
Prep Type: Total/NA
Prep Batch: 458673

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Silver	ND		200	197		ug/L		99	75 - 125	0	20
Arsenic	ND		1000	1000		ug/L		100	75 - 125	1	20
Barium	ND		1000	985		ug/L		98	75 - 125	1	20
Beryllium	ND		100	99.6		ug/L		100	75 - 125	0	20
Cadmium	ND		1000	1020		ug/L		102	75 - 125	0	20
Cobalt	ND		1000	1040		ug/L		104	75 - 125	0	20
Chromium	ND		1000	976		ug/L		98	75 - 125	0	20
Copper	ND		1000	1050		ug/L		105	75 - 125	0	20
Manganese	ND	^	1000	1030	^	ug/L		103	75 - 125	0	20
Molybdenum	ND		500	516		ug/L		103	75 - 125	1	20
Nickel	ND	^	1000	1100	^	ug/L		110	75 - 125	0	20
Lead	ND		1000	1020		ug/L		102	75 - 125	1	20
Antimony	ND		500	508		ug/L		102	75 - 125	1	20
Selenium	ND	^	500	503	^	ug/L		101	75 - 125	3	20
Thorium	ND		1000	1010		ug/L		101	75 - 125	0	20
Thallium	ND		200	204		ug/L		102	75 - 125	1	20
Uranium	ND		1000	1020		ug/L		102	75 - 125	0	20
Vanadium	ND		1000	964		ug/L		96	75 - 125	0	20
Zinc	ND	^	1000	1020	^	ug/L		102	75 - 125	2	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 440-591392/1-A
Matrix: Water
Analysis Batch: 591637

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 591392

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00010	mg/L		01/20/20 12:36	01/21/20 11:33	1

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: LCS 440-591392/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 591637 — **Prep Batch: 591392**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Mercury			0.00400	0.00395		mg/L		99	80 - 120		

Lab Sample ID: 720-96968-A-2-D MS — **Client Sample ID: Matrix Spike**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 591637 — **Prep Batch: 591392**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Mercury	ND		0.00400	0.00382		mg/L		95	75 - 125		

Lab Sample ID: 720-96968-A-2-E MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 591637 — **Prep Batch: 591392**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	ND		0.00400	0.00352		mg/L		88	75 - 125	8	20

Method: 7471A - Mercury (CVAA)

Lab Sample ID: MB 440-591799/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 592029 — **Prep Batch: 591799**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.020	0.012	mg/Kg		01/22/20 11:23	01/22/20 20:17	1

Lab Sample ID: LCS 440-591799/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 592029 — **Prep Batch: 591799**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Mercury			0.400	0.399		mg/Kg		100	80 - 120		

Lab Sample ID: 440-259163-11 MS — **Client Sample ID: WRSB214_0.5-3**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 592029 — **Prep Batch: 591799**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Mercury	0.013	J	0.420	0.440		mg/Kg	☼	105	75 - 125		

Lab Sample ID: 440-259163-11 MSD — **Client Sample ID: WRSB214_0.5-3**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 592029 — **Prep Batch: 591799**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.013	J	0.420	0.451		mg/Kg	☼	107	75 - 125	2	20

Method: 7471A - Mercury (CVAA) (Continued)

Lab Sample ID: MB 440-591800/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 592029 — **Prep Batch: 591800**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.020	0.012	mg/Kg		01/22/20 11:25	01/22/20 19:16	1

Lab Sample ID: LCS 440-591800/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 592029 — **Prep Batch: 591800**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.400	0.397		mg/Kg		99	80 - 120

Lab Sample ID: 440-259163-23 MS — **Client Sample ID: WRSB216_6-15**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 592029 — **Prep Batch: 591800**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.069		0.425	0.425		mg/Kg	☼	84	75 - 125

Lab Sample ID: 440-259163-23 MSD — **Client Sample ID: WRSB216_6-15**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 592029 — **Prep Batch: 591800**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.069		0.434	0.460		mg/Kg	☼	90	75 - 125	8	20

Method: Homogenization - Homogenization

Lab Sample ID: 440-259163-11 DU — **Client Sample ID: WRSB214_0.5-3**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 591189

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Sample Homogenized	yes		yes		NONE			

Lab Sample ID: 440-259163-23 DU — **Client Sample ID: WRSB216_6-15**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 591193

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Sample Homogenized	yes		yes		NONE			

Method: Moisture - Percent Moisture

Lab Sample ID: 440-259163-11 DU — **Client Sample ID: WRSB214_0.5-3**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 591195

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	4.6		4.7		%		0.9	20

Method: Moisture - Percent Moisture (Continued)

Lab Sample ID: 440-259163-23 DU
Client Sample ID: WRSB216_6-15
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 591196

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Moisture	6.0			6.0		%				0.5	20

Metals

Prep Batch: 458673

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-259163-6	FB12	Total/NA	Water	3010A	
440-259163-13	EB12	Total/NA	Water	3010A	
440-259163-29	FB13	Total/NA	Water	3010A	
MB 160-458673/1-A	Method Blank	Total/NA	Water	3010A	
LCS 160-458673/2-A	Lab Control Sample	Total/NA	Water	3010A	
440-259163-6 MS	FB12	Total/NA	Water	3010A	
440-259163-6 MSD	FB12	Total/NA	Water	3010A	

Analysis Batch: 459370

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-259163-6	FB12	Total/NA	Water	6020A	458673
440-259163-13	EB12	Total/NA	Water	6020A	458673
440-259163-29	FB13	Total/NA	Water	6020A	458673
MB 160-458673/1-A	Method Blank	Total/NA	Water	6020A	458673
LCS 160-458673/2-A	Lab Control Sample	Total/NA	Water	6020A	458673
440-259163-6 MS	FB12	Total/NA	Water	6020A	458673
440-259163-6 MSD	FB12	Total/NA	Water	6020A	458673

Prep Batch: 590989

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-259163-6	FB12	Total Recoverable	Water	3005A	
440-259163-13	EB12	Total Recoverable	Water	3005A	
440-259163-29	FB13	Total Recoverable	Water	3005A	
MB 440-590989/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 440-590989/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
440-259169-A-4-B MS	Matrix Spike	Total Recoverable	Water	3005A	
440-259169-A-4-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

Analysis Batch: 591185

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-259163-6	FB12	Total Recoverable	Water	6010B	590989
440-259163-13	EB12	Total Recoverable	Water	6010B	590989
440-259163-29	FB13	Total Recoverable	Water	6010B	590989
MB 440-590989/1-A	Method Blank	Total Recoverable	Water	6010B	590989
LCS 440-590989/2-A	Lab Control Sample	Total Recoverable	Water	6010B	590989
440-259169-A-4-B MS	Matrix Spike	Total Recoverable	Water	6010B	590989
440-259169-A-4-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	6010B	590989

Prep Batch: 591338

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-259163-1	WRSB225_0-0.5	Total/NA	Solid	3050B	
440-259163-2	WRSB225_0.5-3	Total/NA	Solid	3050B	
440-259163-3	WRSB225_3-6	Total/NA	Solid	3050B	
440-259163-4	WRSB225_6-15	Total/NA	Solid	3050B	
440-259163-5	WRSB221_0-0.5	Total/NA	Solid	3050B	
440-259163-7	WRSB221_0.5-3	Total/NA	Solid	3050B	
440-259163-8	WRSB221_3-6	Total/NA	Solid	3050B	
440-259163-9	WRSB221_6-15	Total/NA	Solid	3050B	
440-259163-10	WRSB214_0-0.5	Total/NA	Solid	3050B	
440-259163-11	WRSB214_0.5-3	Total/NA	Solid	3050B	
440-259163-12	WRSB214_3-6	Total/NA	Solid	3050B	

Metals (Continued)

Prep Batch: 591338 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-259163-14	WRSB214_6-15	Total/NA	Solid	3050B	
440-259163-15	WRSB213_0-0.5	Total/NA	Solid	3050B	
440-259163-16	WRSB213_0.5-3	Total/NA	Solid	3050B	
440-259163-17	WRSB213_3-6	Total/NA	Solid	3050B	
440-259163-18	WRSB213_6-15	Total/NA	Solid	3050B	
440-259163-19	WRSB213-FD_6-15	Total/NA	Solid	3050B	
440-259163-20	WRSB216_0-0.5	Total/NA	Solid	3050B	
440-259163-21	WRSB216_0.5-3	Total/NA	Solid	3050B	
440-259163-22	WRSB216_3-6	Total/NA	Solid	3050B	
MB 440-591338/1-A ^20	Method Blank	Total/NA	Solid	3050B	
MB 440-591338/1-A ^5	Method Blank	Total/NA	Solid	3050B	
LCS 440-591338/2-A ^20	Lab Control Sample	Total/NA	Solid	3050B	
LCS 440-591338/2-A ^5	Lab Control Sample	Total/NA	Solid	3050B	
440-259163-11 MS	WRSB214_0.5-3	Total/NA	Solid	3050B	
440-259163-11 MSD	WRSB214_0.5-3	Total/NA	Solid	3050B	

Prep Batch: 591341

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-259163-23	WRSB216_6-15	Total/NA	Solid	3050B	
440-259163-24	WRSB208_136.5-141.5	Total/NA	Solid	3050B	
440-259163-25	WRSB208_146.5-151.5	Total/NA	Solid	3050B	
440-259163-26	WRSB215_0-0.5	Total/NA	Solid	3050B	
440-259163-27	WRSB215_0.5-3	Total/NA	Solid	3050B	
440-259163-28	WRSB215_3-6	Total/NA	Solid	3050B	
440-259163-30	WRSB215_6-15	Total/NA	Solid	3050B	
MB 440-591341/1-A ^20	Method Blank	Total/NA	Solid	3050B	
MB 440-591341/1-A ^5	Method Blank	Total/NA	Solid	3050B	
LCS 440-591341/2-A ^20	Lab Control Sample	Total/NA	Solid	3050B	
LCS 440-591341/2-A ^5	Lab Control Sample	Total/NA	Solid	3050B	
440-259163-23 MS	WRSB216_6-15	Total/NA	Solid	3050B	
440-259163-23 MSD	WRSB216_6-15	Total/NA	Solid	3050B	

Prep Batch: 591392

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-259163-6	FB12	Total/NA	Water	7470A	
440-259163-13	EB12	Total/NA	Water	7470A	
440-259163-29	FB13	Total/NA	Water	7470A	
MB 440-591392/1-A	Method Blank	Total/NA	Water	7470A	
LCS 440-591392/2-A	Lab Control Sample	Total/NA	Water	7470A	
720-96968-A-2-D MS	Matrix Spike	Total/NA	Water	7470A	
720-96968-A-2-E MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	

Analysis Batch: 591449

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-259163-1	WRSB225_0-0.5	Total/NA	Solid	6020	591338
440-259163-2	WRSB225_0.5-3	Total/NA	Solid	6020	591338
440-259163-3	WRSB225_3-6	Total/NA	Solid	6020	591338
440-259163-4	WRSB225_6-15	Total/NA	Solid	6020	591338
440-259163-5	WRSB221_0-0.5	Total/NA	Solid	6020	591338
440-259163-7	WRSB221_0.5-3	Total/NA	Solid	6020	591338
440-259163-8	WRSB221_3-6	Total/NA	Solid	6020	591338

Metals (Continued)

Analysis Batch: 591449 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-259163-9	WRSB221_6-15	Total/NA	Solid	6020	591338
440-259163-10	WRSB214_0-0.5	Total/NA	Solid	6020	591338
440-259163-11	WRSB214_0.5-3	Total/NA	Solid	6020	591338
440-259163-12	WRSB214_3-6	Total/NA	Solid	6020	591338
440-259163-14	WRSB214_6-15	Total/NA	Solid	6020	591338
440-259163-15	WRSB213_0-0.5	Total/NA	Solid	6020	591338
440-259163-16	WRSB213_0.5-3	Total/NA	Solid	6020	591338
440-259163-17	WRSB213_3-6	Total/NA	Solid	6020	591338
440-259163-18	WRSB213_6-15	Total/NA	Solid	6020	591338
440-259163-19	WRSB213-FD_6-15	Total/NA	Solid	6020	591338
440-259163-20	WRSB216_0-0.5	Total/NA	Solid	6020	591338
440-259163-21	WRSB216_0.5-3	Total/NA	Solid	6020	591338
440-259163-22	WRSB216_3-6	Total/NA	Solid	6020	591338
MB 440-591338/1-A ^20	Method Blank	Total/NA	Solid	6020	591338
LCS 440-591338/2-A ^20	Lab Control Sample	Total/NA	Solid	6020	591338
440-259163-11 MS	WRSB214_0.5-3	Total/NA	Solid	6020	591338
440-259163-11 MSD	WRSB214_0.5-3	Total/NA	Solid	6020	591338

Analysis Batch: 591489

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-259163-23	WRSB216_6-15	Total/NA	Solid	6010B	591341
440-259163-24	WRSB208_136.5-141.5	Total/NA	Solid	6010B	591341
440-259163-25	WRSB208_146.5-151.5	Total/NA	Solid	6010B	591341
440-259163-26	WRSB215_0-0.5	Total/NA	Solid	6010B	591341
440-259163-27	WRSB215_0.5-3	Total/NA	Solid	6010B	591341
440-259163-28	WRSB215_3-6	Total/NA	Solid	6010B	591341
440-259163-30	WRSB215_6-15	Total/NA	Solid	6010B	591341
MB 440-591341/1-A ^5	Method Blank	Total/NA	Solid	6010B	591341
LCS 440-591341/2-A ^5	Lab Control Sample	Total/NA	Solid	6010B	591341
440-259163-23 MS	WRSB216_6-15	Total/NA	Solid	6010B	591341
440-259163-23 MSD	WRSB216_6-15	Total/NA	Solid	6010B	591341

Analysis Batch: 591490

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-259163-1	WRSB225_0-0.5	Total/NA	Solid	6010B	591338
440-259163-2	WRSB225_0.5-3	Total/NA	Solid	6010B	591338
440-259163-3	WRSB225_3-6	Total/NA	Solid	6010B	591338
440-259163-4	WRSB225_6-15	Total/NA	Solid	6010B	591338
440-259163-5	WRSB221_0-0.5	Total/NA	Solid	6010B	591338
440-259163-7	WRSB221_0.5-3	Total/NA	Solid	6010B	591338
440-259163-8	WRSB221_3-6	Total/NA	Solid	6010B	591338
440-259163-9	WRSB221_6-15	Total/NA	Solid	6010B	591338
440-259163-10	WRSB214_0-0.5	Total/NA	Solid	6010B	591338
440-259163-11	WRSB214_0.5-3	Total/NA	Solid	6010B	591338
440-259163-12	WRSB214_3-6	Total/NA	Solid	6010B	591338
440-259163-14	WRSB214_6-15	Total/NA	Solid	6010B	591338
440-259163-15	WRSB213_0-0.5	Total/NA	Solid	6010B	591338
440-259163-16	WRSB213_0.5-3	Total/NA	Solid	6010B	591338
440-259163-17	WRSB213_3-6	Total/NA	Solid	6010B	591338
440-259163-18	WRSB213_6-15	Total/NA	Solid	6010B	591338
440-259163-19	WRSB213-FD_6-15	Total/NA	Solid	6010B	591338

Metals (Continued)

Analysis Batch: 591490 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-259163-20	WRSB216_0-0.5	Total/NA	Solid	6010B	591338
440-259163-21	WRSB216_0.5-3	Total/NA	Solid	6010B	591338
440-259163-22	WRSB216_3-6	Total/NA	Solid	6010B	591338
MB 440-591338/1-A ^5	Method Blank	Total/NA	Solid	6010B	591338
LCS 440-591338/2-A ^5	Lab Control Sample	Total/NA	Solid	6010B	591338
440-259163-11 MS	WRSB214_0.5-3	Total/NA	Solid	6010B	591338
440-259163-11 MSD	WRSB214_0.5-3	Total/NA	Solid	6010B	591338

Analysis Batch: 591561

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-259163-23	WRSB216_6-15	Total/NA	Solid	6020	591341
440-259163-24	WRSB208_136.5-141.5	Total/NA	Solid	6020	591341
440-259163-25	WRSB208_146.5-151.5	Total/NA	Solid	6020	591341
440-259163-26	WRSB215_0-0.5	Total/NA	Solid	6020	591341
440-259163-27	WRSB215_0.5-3	Total/NA	Solid	6020	591341
440-259163-28	WRSB215_3-6	Total/NA	Solid	6020	591341
440-259163-30	WRSB215_6-15	Total/NA	Solid	6020	591341
MB 440-591341/1-A ^20	Method Blank	Total/NA	Solid	6020	591341
LCS 440-591341/2-A ^20	Lab Control Sample	Total/NA	Solid	6020	591341
440-259163-23 MS	WRSB216_6-15	Total/NA	Solid	6020	591341
440-259163-23 MSD	WRSB216_6-15	Total/NA	Solid	6020	591341

Analysis Batch: 591584

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-259163-20	WRSB216_0-0.5	Total/NA	Solid	6020	591338

Analysis Batch: 591637

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-259163-6	FB12	Total/NA	Water	7470A	591392
440-259163-13	EB12	Total/NA	Water	7470A	591392
440-259163-29	FB13	Total/NA	Water	7470A	591392
MB 440-591392/1-A	Method Blank	Total/NA	Water	7470A	591392
LCS 440-591392/2-A	Lab Control Sample	Total/NA	Water	7470A	591392
720-96968-A-2-D MS	Matrix Spike	Total/NA	Water	7470A	591392
720-96968-A-2-E MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	591392

Prep Batch: 591799

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-259163-1	WRSB225_0-0.5	Total/NA	Solid	7471A	
440-259163-2	WRSB225_0.5-3	Total/NA	Solid	7471A	
440-259163-3	WRSB225_3-6	Total/NA	Solid	7471A	
440-259163-4	WRSB225_6-15	Total/NA	Solid	7471A	
440-259163-5	WRSB221_0-0.5	Total/NA	Solid	7471A	
440-259163-7	WRSB221_0.5-3	Total/NA	Solid	7471A	
440-259163-8	WRSB221_3-6	Total/NA	Solid	7471A	
440-259163-9	WRSB221_6-15	Total/NA	Solid	7471A	
440-259163-10	WRSB214_0-0.5	Total/NA	Solid	7471A	
440-259163-11	WRSB214_0.5-3	Total/NA	Solid	7471A	
440-259163-12	WRSB214_3-6	Total/NA	Solid	7471A	
440-259163-14	WRSB214_6-15	Total/NA	Solid	7471A	
440-259163-15	WRSB213_0-0.5	Total/NA	Solid	7471A	

Metals (Continued)

Prep Batch: 591799 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-259163-16	WRSB213_0.5-3	Total/NA	Solid	7471A	
440-259163-17	WRSB213_3-6	Total/NA	Solid	7471A	
440-259163-18	WRSB213_6-15	Total/NA	Solid	7471A	
440-259163-19	WRSB213-FD_6-15	Total/NA	Solid	7471A	
440-259163-20	WRSB216_0-0.5	Total/NA	Solid	7471A	
440-259163-21	WRSB216_0.5-3	Total/NA	Solid	7471A	
440-259163-22	WRSB216_3-6	Total/NA	Solid	7471A	
MB 440-591799/1-A	Method Blank	Total/NA	Solid	7471A	
LCS 440-591799/2-A	Lab Control Sample	Total/NA	Solid	7471A	
440-259163-11 MS	WRSB214_0.5-3	Total/NA	Solid	7471A	
440-259163-11 MSD	WRSB214_0.5-3	Total/NA	Solid	7471A	

Prep Batch: 591800

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-259163-23	WRSB216_6-15	Total/NA	Solid	7471A	
440-259163-24	WRSB208_136.5-141.5	Total/NA	Solid	7471A	
440-259163-25	WRSB208_146.5-151.5	Total/NA	Solid	7471A	
440-259163-26	WRSB215_0-0.5	Total/NA	Solid	7471A	
440-259163-27	WRSB215_0.5-3	Total/NA	Solid	7471A	
440-259163-28	WRSB215_3-6	Total/NA	Solid	7471A	
440-259163-30	WRSB215_6-15	Total/NA	Solid	7471A	
MB 440-591800/1-A	Method Blank	Total/NA	Solid	7471A	
LCS 440-591800/2-A	Lab Control Sample	Total/NA	Solid	7471A	
440-259163-23 MS	WRSB216_6-15	Total/NA	Solid	7471A	
440-259163-23 MSD	WRSB216_6-15	Total/NA	Solid	7471A	

Analysis Batch: 592029

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-259163-1	WRSB225_0-0.5	Total/NA	Solid	7471A	591799
440-259163-2	WRSB225_0.5-3	Total/NA	Solid	7471A	591799
440-259163-3	WRSB225_3-6	Total/NA	Solid	7471A	591799
440-259163-4	WRSB225_6-15	Total/NA	Solid	7471A	591799
440-259163-5	WRSB221_0-0.5	Total/NA	Solid	7471A	591799
440-259163-7	WRSB221_0.5-3	Total/NA	Solid	7471A	591799
440-259163-8	WRSB221_3-6	Total/NA	Solid	7471A	591799
440-259163-9	WRSB221_6-15	Total/NA	Solid	7471A	591799
440-259163-10	WRSB214_0-0.5	Total/NA	Solid	7471A	591799
440-259163-11	WRSB214_0.5-3	Total/NA	Solid	7471A	591799
440-259163-12	WRSB214_3-6	Total/NA	Solid	7471A	591799
440-259163-14	WRSB214_6-15	Total/NA	Solid	7471A	591799
440-259163-15	WRSB213_0-0.5	Total/NA	Solid	7471A	591799
440-259163-16	WRSB213_0.5-3	Total/NA	Solid	7471A	591799
440-259163-17	WRSB213_3-6	Total/NA	Solid	7471A	591799
440-259163-18	WRSB213_6-15	Total/NA	Solid	7471A	591799
440-259163-19	WRSB213-FD_6-15	Total/NA	Solid	7471A	591799
440-259163-20	WRSB216_0-0.5	Total/NA	Solid	7471A	591799
440-259163-21	WRSB216_0.5-3	Total/NA	Solid	7471A	591799
440-259163-22	WRSB216_3-6	Total/NA	Solid	7471A	591799
440-259163-23	WRSB216_6-15	Total/NA	Solid	7471A	591800
440-259163-24	WRSB208_136.5-141.5	Total/NA	Solid	7471A	591800
440-259163-25	WRSB208_146.5-151.5	Total/NA	Solid	7471A	591800

Metals (Continued)

Analysis Batch: 592029 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-259163-26	WRSB215_0-0.5	Total/NA	Solid	7471A	591800
440-259163-27	WRSB215_0.5-3	Total/NA	Solid	7471A	591800
440-259163-28	WRSB215_3-6	Total/NA	Solid	7471A	591800
440-259163-30	WRSB215_6-15	Total/NA	Solid	7471A	591800
MB 440-591799/1-A	Method Blank	Total/NA	Solid	7471A	591799
MB 440-591800/1-A	Method Blank	Total/NA	Solid	7471A	591800
LCS 440-591799/2-A	Lab Control Sample	Total/NA	Solid	7471A	591799
LCS 440-591800/2-A	Lab Control Sample	Total/NA	Solid	7471A	591800
440-259163-11 MS	WRSB214_0.5-3	Total/NA	Solid	7471A	591799
440-259163-11 MSD	WRSB214_0.5-3	Total/NA	Solid	7471A	591799
440-259163-23 MS	WRSB216_6-15	Total/NA	Solid	7471A	591800
440-259163-23 MSD	WRSB216_6-15	Total/NA	Solid	7471A	591800

General Chemistry

Analysis Batch: 591189

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-259163-1	WRSB225_0-0.5	Total/NA	Solid	Homogenization	
440-259163-2	WRSB225_0.5-3	Total/NA	Solid	Homogenization	
440-259163-3	WRSB225_3-6	Total/NA	Solid	Homogenization	
440-259163-4	WRSB225_6-15	Total/NA	Solid	Homogenization	
440-259163-5	WRSB221_0-0.5	Total/NA	Solid	Homogenization	
440-259163-7	WRSB221_0.5-3	Total/NA	Solid	Homogenization	
440-259163-8	WRSB221_3-6	Total/NA	Solid	Homogenization	
440-259163-9	WRSB221_6-15	Total/NA	Solid	Homogenization	
440-259163-10	WRSB214_0-0.5	Total/NA	Solid	Homogenization	
440-259163-11	WRSB214_0.5-3	Total/NA	Solid	Homogenization	
440-259163-12	WRSB214_3-6	Total/NA	Solid	Homogenization	
440-259163-14	WRSB214_6-15	Total/NA	Solid	Homogenization	
440-259163-15	WRSB213_0-0.5	Total/NA	Solid	Homogenization	
440-259163-16	WRSB213_0.5-3	Total/NA	Solid	Homogenization	
440-259163-17	WRSB213_3-6	Total/NA	Solid	Homogenization	
440-259163-18	WRSB213_6-15	Total/NA	Solid	Homogenization	
440-259163-19	WRSB213-FD_6-15	Total/NA	Solid	Homogenization	
440-259163-20	WRSB216_0-0.5	Total/NA	Solid	Homogenization	
440-259163-21	WRSB216_0.5-3	Total/NA	Solid	Homogenization	
440-259163-22	WRSB216_3-6	Total/NA	Solid	Homogenization	
440-259163-11 MS	WRSB214_0.5-3	Total/NA	Solid	Homogenization	
440-259163-11 MSD	WRSB214_0.5-3	Total/NA	Solid	Homogenization	
440-259163-11 DU	WRSB214_0.5-3	Total/NA	Solid	Homogenization	

Analysis Batch: 591193

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-259163-23	WRSB216_6-15	Total/NA	Solid	Homogenization	
440-259163-24	WRSB208_136.5-141.5	Total/NA	Solid	Homogenization	
440-259163-25	WRSB208_146.5-151.5	Total/NA	Solid	Homogenization	
440-259163-26	WRSB215_0-0.5	Total/NA	Solid	Homogenization	
440-259163-27	WRSB215_0.5-3	Total/NA	Solid	Homogenization	
440-259163-28	WRSB215_3-6	Total/NA	Solid	Homogenization	
440-259163-30	WRSB215_6-15	Total/NA	Solid	Homogenization	
440-259163-23 DU	WRSB216_6-15	Total/NA	Solid	Homogenization	

QC Association Summary

Client: Wood E&I Solutions Inc
Job ID: 440-259163-1
Project/Site: ACMS - BP Yerington OU-4b_OU-5 Soil

General Chemistry

Analysis Batch: 591195

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-259163-1	WRSB225_0-0.5	Total/NA	Solid	Moisture	
440-259163-2	WRSB225_0.5-3	Total/NA	Solid	Moisture	
440-259163-3	WRSB225_3-6	Total/NA	Solid	Moisture	
440-259163-4	WRSB225_6-15	Total/NA	Solid	Moisture	
440-259163-5	WRSB221_0-0.5	Total/NA	Solid	Moisture	
440-259163-7	WRSB221_0.5-3	Total/NA	Solid	Moisture	
440-259163-8	WRSB221_3-6	Total/NA	Solid	Moisture	
440-259163-9	WRSB221_6-15	Total/NA	Solid	Moisture	
440-259163-10	WRSB214_0-0.5	Total/NA	Solid	Moisture	
440-259163-11	WRSB214_0.5-3	Total/NA	Solid	Moisture	
440-259163-12	WRSB214_3-6	Total/NA	Solid	Moisture	
440-259163-14	WRSB214_6-15	Total/NA	Solid	Moisture	
440-259163-15	WRSB213_0-0.5	Total/NA	Solid	Moisture	
440-259163-16	WRSB213_0.5-3	Total/NA	Solid	Moisture	
440-259163-17	WRSB213_3-6	Total/NA	Solid	Moisture	
440-259163-18	WRSB213_6-15	Total/NA	Solid	Moisture	
440-259163-19	WRSB213-FD_6-15	Total/NA	Solid	Moisture	
440-259163-20	WRSB216_0-0.5	Total/NA	Solid	Moisture	
440-259163-21	WRSB216_0.5-3	Total/NA	Solid	Moisture	
440-259163-22	WRSB216_3-6	Total/NA	Solid	Moisture	
440-259163-11 MS	WRSB214_0.5-3	Total/NA	Solid	Moisture	
440-259163-11 MSD	WRSB214_0.5-3	Total/NA	Solid	Moisture	
440-259163-11 DU	WRSB214_0.5-3	Total/NA	Solid	Moisture	

Analysis Batch: 591196

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-259163-23	WRSB216_6-15	Total/NA	Solid	Moisture	
440-259163-24	WRSB208_136.5-141.5	Total/NA	Solid	Moisture	
440-259163-25	WRSB208_146.5-151.5	Total/NA	Solid	Moisture	
440-259163-26	WRSB215_0-0.5	Total/NA	Solid	Moisture	
440-259163-27	WRSB215_0.5-3	Total/NA	Solid	Moisture	
440-259163-28	WRSB215_3-6	Total/NA	Solid	Moisture	
440-259163-30	WRSB215_6-15	Total/NA	Solid	Moisture	
440-259163-23 DU	WRSB216_6-15	Total/NA	Solid	Moisture	

Lab Chronicle

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

Job ID: 440-259163-1

Client Sample ID: WRSB225_0-0.5
Lab Sample ID: 440-259163-1
Date Collected: 01/09/20 13:27
Matrix: Solid
Date Received: 01/16/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Homogenization		1	591189	01/17/20 17:19	HTL	TAL IRV
Total/NA	Analysis	Moisture		1	591195	01/17/20 17:28	HTL	TAL IRV

Client Sample ID: WRSB225_0-0.5
Lab Sample ID: 440-259163-1
Date Collected: 01/09/20 13:27
Matrix: Solid
Date Received: 01/16/20 10:00
Percent Solids: 91.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			591338	01/20/20 08:55	NE1	TAL IRV
Total/NA	Analysis	6010B		5	591490	01/20/20 18:48	P1R	TAL IRV
Total/NA	Prep	3050B			591338	01/20/20 08:55	NE1	TAL IRV
Total/NA	Analysis	6020		20	591449	01/20/20 15:28	P1R	TAL IRV
Total/NA	Prep	7471A			591799	01/22/20 11:23	MEM	TAL IRV
Total/NA	Analysis	7471A		1	592029	01/22/20 20:29	MEM	TAL IRV

Client Sample ID: WRSB225_0.5-3
Lab Sample ID: 440-259163-2
Date Collected: 01/09/20 13:33
Matrix: Solid
Date Received: 01/16/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Homogenization		1	591189	01/17/20 17:19	HTL	TAL IRV
Total/NA	Analysis	Moisture		1	591195	01/17/20 17:28	HTL	TAL IRV

Client Sample ID: WRSB225_0.5-3
Lab Sample ID: 440-259163-2
Date Collected: 01/09/20 13:33
Matrix: Solid
Date Received: 01/16/20 10:00
Percent Solids: 94.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			591338	01/20/20 08:55	NE1	TAL IRV
Total/NA	Analysis	6010B		5	591490	01/20/20 18:50	P1R	TAL IRV
Total/NA	Prep	3050B			591338	01/20/20 08:55	NE1	TAL IRV
Total/NA	Analysis	6020		20	591449	01/20/20 15:30	P1R	TAL IRV
Total/NA	Prep	7471A			591799	01/22/20 11:23	MEM	TAL IRV
Total/NA	Analysis	7471A		1	592029	01/22/20 20:32	MEM	TAL IRV

Client Sample ID: WRSB225_3-6
Lab Sample ID: 440-259163-3
Date Collected: 01/09/20 13:42
Matrix: Solid
Date Received: 01/16/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Homogenization		1	591189	01/17/20 17:19	HTL	TAL IRV
Total/NA	Analysis	Moisture		1	591195	01/17/20 17:28	HTL	TAL IRV

Lab Chronicle

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

Job ID: 440-259163-1

Client Sample ID: WRSB225_3-6
Lab Sample ID: 440-259163-3
Date Collected: 01/09/20 13:42
Matrix: Solid
Date Received: 01/16/20 10:00
Percent Solids: 95.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			591338	01/20/20 08:55	NE1	TAL IRV
Total/NA	Analysis	6010B		5	591490	01/20/20 18:52	P1R	TAL IRV
Total/NA	Prep	3050B			591338	01/20/20 08:55	NE1	TAL IRV
Total/NA	Analysis	6020		20	591449	01/20/20 15:32	P1R	TAL IRV
Total/NA	Prep	7471A			591799	01/22/20 11:23	MEM	TAL IRV
Total/NA	Analysis	7471A		1	592029	01/22/20 20:34	MEM	TAL IRV

Client Sample ID: WRSB225_6-15
Lab Sample ID: 440-259163-4
Date Collected: 01/09/20 13:49
Matrix: Solid
Date Received: 01/16/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Homogenization		1	591189	01/17/20 17:19	HTL	TAL IRV
Total/NA	Analysis	Moisture		1	591195	01/17/20 17:28	HTL	TAL IRV

Client Sample ID: WRSB225_6-15
Lab Sample ID: 440-259163-4
Date Collected: 01/09/20 13:49
Matrix: Solid
Date Received: 01/16/20 10:00
Percent Solids: 95.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			591338	01/20/20 08:55	NE1	TAL IRV
Total/NA	Analysis	6010B		5	591490	01/20/20 18:55	P1R	TAL IRV
Total/NA	Prep	3050B			591338	01/20/20 08:55	NE1	TAL IRV
Total/NA	Analysis	6020		20	591449	01/20/20 15:34	P1R	TAL IRV
Total/NA	Prep	7471A			591799	01/22/20 11:23	MEM	TAL IRV
Total/NA	Analysis	7471A		1	592029	01/22/20 20:41	MEM	TAL IRV

Client Sample ID: WRSB221_0-0.5
Lab Sample ID: 440-259163-5
Date Collected: 01/10/20 09:12
Matrix: Solid
Date Received: 01/16/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Homogenization		1	591189	01/17/20 17:19	HTL	TAL IRV
Total/NA	Analysis	Moisture		1	591195	01/17/20 17:28	HTL	TAL IRV

Client Sample ID: WRSB221_0-0.5
Lab Sample ID: 440-259163-5
Date Collected: 01/10/20 09:12
Matrix: Solid
Date Received: 01/16/20 10:00
Percent Solids: 96.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			591338	01/20/20 08:55	NE1	TAL IRV
Total/NA	Analysis	6010B		5	591490	01/20/20 18:57	P1R	TAL IRV
Total/NA	Prep	3050B			591338	01/20/20 08:55	NE1	TAL IRV
Total/NA	Analysis	6020		20	591449	01/20/20 15:36	P1R	TAL IRV

Lab Chronicle

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

Job ID: 440-259163-1

Client Sample ID: WRSB221_0-0.5

Lab Sample ID: 440-259163-5
Date Collected: 01/10/20 09:12
Matrix: Solid
Date Received: 01/16/20 10:00
Percent Solids: 96.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471A			591799	01/22/20 11:23	MEM	TAL IRV
Total/NA	Analysis	7471A		1	592029	01/22/20 20:43	MEM	TAL IRV

Client Sample ID: FB12

Lab Sample ID: 440-259163-6
Date Collected: 01/10/20 09:15
Matrix: Water
Date Received: 01/16/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			590989	01/17/20 05:18	EP	TAL IRV
Total Recoverable	Analysis	6010B		1	591185	01/17/20 16:24	KE	TAL IRV
Total/NA	Prep	3010A			458673	01/30/20 13:26	LAM	TAL SL
Total/NA	Analysis	6020A		2	459370	02/05/20 01:19	FLC	TAL SL
Total/NA	Prep	7470A			591392	01/20/20 12:36	EMS	TAL IRV
Total/NA	Analysis	7470A		1	591637	01/21/20 12:10	MEM	TAL IRV

Client Sample ID: WRSB221_0.5-3

Lab Sample ID: 440-259163-7
Date Collected: 01/10/20 09:17
Matrix: Solid
Date Received: 01/16/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Homogenization		1	591189	01/17/20 17:19	HTL	TAL IRV
Total/NA	Analysis	Moisture		1	591195	01/17/20 17:28	HTL	TAL IRV

Client Sample ID: WRSB221_0.5-3

Lab Sample ID: 440-259163-7
Date Collected: 01/10/20 09:17
Matrix: Solid
Date Received: 01/16/20 10:00
Percent Solids: 97.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			591338	01/20/20 08:55	NE1	TAL IRV
Total/NA	Analysis	6010B		5	591490	01/20/20 18:59	P1R	TAL IRV
Total/NA	Prep	3050B			591338	01/20/20 08:55	NE1	TAL IRV
Total/NA	Analysis	6020		20	591449	01/20/20 15:38	P1R	TAL IRV
Total/NA	Prep	7471A			591799	01/22/20 11:23	MEM	TAL IRV
Total/NA	Analysis	7471A		1	592029	01/22/20 20:45	MEM	TAL IRV

Client Sample ID: WRSB221_3-6

Lab Sample ID: 440-259163-8
Date Collected: 01/10/20 09:28
Matrix: Solid
Date Received: 01/16/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Homogenization		1	591189	01/17/20 17:19	HTL	TAL IRV
Total/NA	Analysis	Moisture		1	591195	01/17/20 17:28	HTL	TAL IRV

Lab Chronicle

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

Job ID: 440-259163-1

Client Sample ID: WRSB221_3-6
Lab Sample ID: 440-259163-8
Date Collected: 01/10/20 09:28
Matrix: Solid
Date Received: 01/16/20 10:00
Percent Solids: 97.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			591338	01/20/20 08:55	NE1	TAL IRV
Total/NA	Analysis	6010B		5	591490	01/20/20 19:02	P1R	TAL IRV
Total/NA	Prep	3050B			591338	01/20/20 08:55	NE1	TAL IRV
Total/NA	Analysis	6020		20	591449	01/20/20 15:40	P1R	TAL IRV
Total/NA	Prep	7471A			591799	01/22/20 11:23	MEM	TAL IRV
Total/NA	Analysis	7471A		1	592029	01/22/20 20:48	MEM	TAL IRV

Client Sample ID: WRSB221_6-15
Lab Sample ID: 440-259163-9
Date Collected: 01/10/20 09:35
Matrix: Solid
Date Received: 01/16/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Homogenization		1	591189	01/17/20 17:19	HTL	TAL IRV
Total/NA	Analysis	Moisture		1	591195	01/17/20 17:28	HTL	TAL IRV

Client Sample ID: WRSB221_6-15
Lab Sample ID: 440-259163-9
Date Collected: 01/10/20 09:35
Matrix: Solid
Date Received: 01/16/20 10:00
Percent Solids: 97.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			591338	01/20/20 08:55	NE1	TAL IRV
Total/NA	Analysis	6010B		5	591490	01/20/20 19:04	P1R	TAL IRV
Total/NA	Prep	3050B			591338	01/20/20 08:55	NE1	TAL IRV
Total/NA	Analysis	6020		20	591449	01/20/20 15:43	P1R	TAL IRV
Total/NA	Prep	7471A			591799	01/22/20 11:23	MEM	TAL IRV
Total/NA	Analysis	7471A		1	592029	01/22/20 20:50	MEM	TAL IRV

Client Sample ID: WRSB214_0-0.5
Lab Sample ID: 440-259163-10
Date Collected: 01/10/20 10:40
Matrix: Solid
Date Received: 01/16/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Homogenization		1	591189	01/17/20 17:19	HTL	TAL IRV
Total/NA	Analysis	Moisture		1	591195	01/17/20 17:28	HTL	TAL IRV

Client Sample ID: WRSB214_0-0.5
Lab Sample ID: 440-259163-10
Date Collected: 01/10/20 10:40
Matrix: Solid
Date Received: 01/16/20 10:00
Percent Solids: 96.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			591338	01/20/20 08:55	NE1	TAL IRV
Total/NA	Analysis	6010B		5	591490	01/20/20 19:06	P1R	TAL IRV
Total/NA	Prep	3050B			591338	01/20/20 08:55	NE1	TAL IRV
Total/NA	Analysis	6020		20	591449	01/20/20 15:45	P1R	TAL IRV

Lab Chronicle

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

Job ID: 440-259163-1

Client Sample ID: WRSB214_0-0.5
Lab Sample ID: 440-259163-10
Date Collected: 01/10/20 10:40
Matrix: Solid
Date Received: 01/16/20 10:00
Percent Solids: 96.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471A			591799	01/22/20 11:23	MEM	TAL IRV
Total/NA	Analysis	7471A		1	592029	01/22/20 20:52	MEM	TAL IRV

Client Sample ID: WRSB214_0.5-3
Lab Sample ID: 440-259163-11
Date Collected: 01/10/20 10:49
Matrix: Solid
Date Received: 01/16/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Homogenization		1	591189	01/17/20 17:19	HTL	TAL IRV
Total/NA	Analysis	Moisture		1	591195	01/17/20 17:28	HTL	TAL IRV

Client Sample ID: WRSB214_0.5-3
Lab Sample ID: 440-259163-11
Date Collected: 01/10/20 10:49
Matrix: Solid
Date Received: 01/16/20 10:00
Percent Solids: 95.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			591338	01/20/20 08:55	NE1	TAL IRV
Total/NA	Analysis	6010B		5	591490	01/20/20 18:31	P1R	TAL IRV
Total/NA	Prep	3050B			591338	01/20/20 08:55	NE1	TAL IRV
Total/NA	Analysis	6020		20	591449	01/20/20 15:13	P1R	TAL IRV
Total/NA	Prep	7471A			591799	01/22/20 11:23	MEM	TAL IRV
Total/NA	Analysis	7471A		1	592029	01/22/20 20:22	MEM	TAL IRV

Client Sample ID: WRSB214_3-6
Lab Sample ID: 440-259163-12
Date Collected: 01/10/20 10:58
Matrix: Solid
Date Received: 01/16/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Homogenization		1	591189	01/17/20 17:19	HTL	TAL IRV
Total/NA	Analysis	Moisture		1	591195	01/17/20 17:28	HTL	TAL IRV

Client Sample ID: WRSB214_3-6
Lab Sample ID: 440-259163-12
Date Collected: 01/10/20 10:58
Matrix: Solid
Date Received: 01/16/20 10:00
Percent Solids: 96.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			591338	01/20/20 08:55	NE1	TAL IRV
Total/NA	Analysis	6010B		5	591490	01/20/20 19:16	P1R	TAL IRV
Total/NA	Prep	3050B			591338	01/20/20 08:55	NE1	TAL IRV
Total/NA	Analysis	6020		20	591449	01/20/20 15:47	P1R	TAL IRV
Total/NA	Prep	7471A			591799	01/22/20 11:23	MEM	TAL IRV
Total/NA	Analysis	7471A		1	592029	01/22/20 20:54	MEM	TAL IRV

Lab Chronicle

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

Job ID: 440-259163-1

Client Sample ID: EB12
Lab Sample ID: 440-259163-13
Date Collected: 01/10/20 11:04
Matrix: Water
Date Received: 01/16/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			590989	01/17/20 05:18	EP	TAL IRV
Total Recoverable	Analysis	6010B		1	591185	01/17/20 16:27	KE	TAL IRV
Total/NA	Prep	3010A			458673	01/30/20 13:26	LAM	TAL SL
Total/NA	Analysis	6020A		2	459370	02/05/20 01:45	FLC	TAL SL
Total/NA	Prep	7470A			591392	01/20/20 12:36	EMS	TAL IRV
Total/NA	Analysis	7470A		1	591637	01/21/20 12:12	MEM	TAL IRV

Client Sample ID: WRSB214_6-15
Lab Sample ID: 440-259163-14
Date Collected: 01/10/20 11:08
Matrix: Solid
Date Received: 01/16/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Homogenization		1	591189	01/17/20 17:19	HTL	TAL IRV
Total/NA	Analysis	Moisture		1	591195	01/17/20 17:28	HTL	TAL IRV

Client Sample ID: WRSB214_6-15
Lab Sample ID: 440-259163-14
Date Collected: 01/10/20 11:08
Matrix: Solid
Date Received: 01/16/20 10:00
Percent Solids: 96.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			591338	01/20/20 08:55	NE1	TAL IRV
Total/NA	Analysis	6010B		5	591490	01/20/20 19:18	P1R	TAL IRV
Total/NA	Prep	3050B			591338	01/20/20 08:55	NE1	TAL IRV
Total/NA	Analysis	6020		20	591449	01/20/20 15:53	P1R	TAL IRV
Total/NA	Prep	7471A			591799	01/22/20 11:23	MEM	TAL IRV
Total/NA	Analysis	7471A		1	592029	01/22/20 20:57	MEM	TAL IRV

Client Sample ID: WRSB213_0-0.5
Lab Sample ID: 440-259163-15
Date Collected: 01/13/20 14:09
Matrix: Solid
Date Received: 01/16/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Homogenization		1	591189	01/17/20 17:19	HTL	TAL IRV
Total/NA	Analysis	Moisture		1	591195	01/17/20 17:28	HTL	TAL IRV

Client Sample ID: WRSB213_0-0.5
Lab Sample ID: 440-259163-15
Date Collected: 01/13/20 14:09
Matrix: Solid
Date Received: 01/16/20 10:00
Percent Solids: 95.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			591338	01/20/20 08:55	NE1	TAL IRV
Total/NA	Analysis	6010B		5	591490	01/20/20 19:20	P1R	TAL IRV
Total/NA	Prep	3050B			591338	01/20/20 08:55	NE1	TAL IRV
Total/NA	Analysis	6020		20	591449	01/20/20 15:55	P1R	TAL IRV

Lab Chronicle

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

Job ID: 440-259163-1

Client Sample ID: WRSB213_0-0.5
Lab Sample ID: 440-259163-15
Date Collected: 01/13/20 14:09
Matrix: Solid
Date Received: 01/16/20 10:00
Percent Solids: 95.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471A			591799	01/22/20 11:23	MEM	TAL IRV
Total/NA	Analysis	7471A		1	592029	01/22/20 20:59	MEM	TAL IRV

Client Sample ID: WRSB213_0.5-3
Lab Sample ID: 440-259163-16
Date Collected: 01/13/20 14:16
Matrix: Solid
Date Received: 01/16/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Homogenization		1	591189	01/17/20 17:19	HTL	TAL IRV
Total/NA	Analysis	Moisture		1	591195	01/17/20 17:28	HTL	TAL IRV

Client Sample ID: WRSB213_0.5-3
Lab Sample ID: 440-259163-16
Date Collected: 01/13/20 14:16
Matrix: Solid
Date Received: 01/16/20 10:00
Percent Solids: 95.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			591338	01/20/20 08:55	NE1	TAL IRV
Total/NA	Analysis	6010B		5	591490	01/20/20 19:23	P1R	TAL IRV
Total/NA	Prep	3050B			591338	01/20/20 08:55	NE1	TAL IRV
Total/NA	Analysis	6020		20	591449	01/20/20 15:57	P1R	TAL IRV
Total/NA	Prep	7471A			591799	01/22/20 11:23	MEM	TAL IRV
Total/NA	Analysis	7471A		1	592029	01/22/20 21:01	MEM	TAL IRV

Client Sample ID: WRSB213_3-6
Lab Sample ID: 440-259163-17
Date Collected: 01/13/20 14:27
Matrix: Solid
Date Received: 01/16/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Homogenization		1	591189	01/17/20 17:19	HTL	TAL IRV
Total/NA	Analysis	Moisture		1	591195	01/17/20 17:28	HTL	TAL IRV

Client Sample ID: WRSB213_3-6
Lab Sample ID: 440-259163-17
Date Collected: 01/13/20 14:27
Matrix: Solid
Date Received: 01/16/20 10:00
Percent Solids: 96.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			591338	01/20/20 08:55	NE1	TAL IRV
Total/NA	Analysis	6010B		5	591490	01/20/20 19:25	P1R	TAL IRV
Total/NA	Prep	3050B			591338	01/20/20 08:55	NE1	TAL IRV
Total/NA	Analysis	6020		20	591449	01/20/20 15:59	P1R	TAL IRV
Total/NA	Prep	7471A			591799	01/22/20 11:23	MEM	TAL IRV
Total/NA	Analysis	7471A		1	592029	01/22/20 21:08	MEM	TAL IRV

Lab Chronicle

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

Job ID: 440-259163-1

Client Sample ID: WRSB213_6-15
Lab Sample ID: 440-259163-18
Date Collected: 01/13/20 14:34
Matrix: Solid
Date Received: 01/16/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Homogenization		1	591189	01/17/20 17:19	HTL	TAL IRV
Total/NA	Analysis	Moisture		1	591195	01/17/20 17:28	HTL	TAL IRV

Client Sample ID: WRSB213_6-15
Lab Sample ID: 440-259163-18
Date Collected: 01/13/20 14:34
Matrix: Solid
Date Received: 01/16/20 10:00
Percent Solids: 96.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			591338	01/20/20 08:55	NE1	TAL IRV
Total/NA	Analysis	6010B		5	591490	01/20/20 19:27	P1R	TAL IRV
Total/NA	Prep	3050B			591338	01/20/20 08:55	NE1	TAL IRV
Total/NA	Analysis	6020		20	591449	01/20/20 16:01	P1R	TAL IRV
Total/NA	Prep	7471A			591799	01/22/20 11:23	MEM	TAL IRV
Total/NA	Analysis	7471A		1	592029	01/22/20 21:10	MEM	TAL IRV

Client Sample ID: WRSB213-FD_6-15
Lab Sample ID: 440-259163-19
Date Collected: 01/13/20 14:46
Matrix: Solid
Date Received: 01/16/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Homogenization		1	591189	01/17/20 17:19	HTL	TAL IRV
Total/NA	Analysis	Moisture		1	591195	01/17/20 17:28	HTL	TAL IRV

Client Sample ID: WRSB213-FD_6-15
Lab Sample ID: 440-259163-19
Date Collected: 01/13/20 14:46
Matrix: Solid
Date Received: 01/16/20 10:00
Percent Solids: 96.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			591338	01/20/20 08:55	NE1	TAL IRV
Total/NA	Analysis	6010B		5	591490	01/20/20 19:30	P1R	TAL IRV
Total/NA	Prep	3050B			591338	01/20/20 08:55	NE1	TAL IRV
Total/NA	Analysis	6020		20	591449	01/20/20 16:03	P1R	TAL IRV
Total/NA	Prep	7471A			591799	01/22/20 11:23	MEM	TAL IRV
Total/NA	Analysis	7471A		1	592029	01/22/20 21:12	MEM	TAL IRV

Client Sample ID: WRSB216_0-0.5
Lab Sample ID: 440-259163-20
Date Collected: 01/14/20 08:32
Matrix: Solid
Date Received: 01/16/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Homogenization		1	591189	01/17/20 17:19	HTL	TAL IRV
Total/NA	Analysis	Moisture		1	591195	01/17/20 17:28	HTL	TAL IRV

Lab Chronicle

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

Job ID: 440-259163-1

Client Sample ID: WRSB216_0-0.5
Lab Sample ID: 440-259163-20
Date Collected: 01/14/20 08:32
Matrix: Solid
Date Received: 01/16/20 10:00
Percent Solids: 95.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			591338	01/20/20 08:55	NE1	TAL IRV
Total/NA	Analysis	6010B		5	591490	01/20/20 19:32	P1R	TAL IRV
Total/NA	Prep	3050B			591338	01/20/20 08:55	NE1	TAL IRV
Total/NA	Analysis	6020		20	591449	01/20/20 16:05	P1R	TAL IRV
Total/NA	Prep	3050B			591338	01/20/20 08:55	NE1	TAL IRV
Total/NA	Analysis	6020		100	591584	01/21/20 10:04	EMS	TAL IRV
Total/NA	Prep	7471A			591799	01/22/20 11:23	MEM	TAL IRV
Total/NA	Analysis	7471A		1	592029	01/22/20 21:14	MEM	TAL IRV

Client Sample ID: WRSB216_0.5-3
Lab Sample ID: 440-259163-21
Date Collected: 01/14/20 08:42
Matrix: Solid
Date Received: 01/16/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Homogenization		1	591189	01/17/20 17:19	HTL	TAL IRV
Total/NA	Analysis	Moisture		1	591195	01/17/20 17:28	HTL	TAL IRV

Client Sample ID: WRSB216_0.5-3
Lab Sample ID: 440-259163-21
Date Collected: 01/14/20 08:42
Matrix: Solid
Date Received: 01/16/20 10:00
Percent Solids: 96.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			591338	01/20/20 08:55	NE1	TAL IRV
Total/NA	Analysis	6010B		5	591490	01/20/20 19:34	P1R	TAL IRV
Total/NA	Prep	3050B			591338	01/20/20 08:55	NE1	TAL IRV
Total/NA	Analysis	6020		20	591449	01/20/20 16:07	P1R	TAL IRV
Total/NA	Prep	7471A			591799	01/22/20 11:23	MEM	TAL IRV
Total/NA	Analysis	7471A		1	592029	01/22/20 21:17	MEM	TAL IRV

Client Sample ID: WRSB216_3-6
Lab Sample ID: 440-259163-22
Date Collected: 01/14/20 08:49
Matrix: Solid
Date Received: 01/16/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Homogenization		1	591189	01/17/20 17:19	HTL	TAL IRV
Total/NA	Analysis	Moisture		1	591195	01/17/20 17:28	HTL	TAL IRV

Client Sample ID: WRSB216_3-6
Lab Sample ID: 440-259163-22
Date Collected: 01/14/20 08:49
Matrix: Solid
Date Received: 01/16/20 10:00
Percent Solids: 94.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			591338	01/20/20 08:55	NE1	TAL IRV
Total/NA	Analysis	6010B		5	591490	01/20/20 19:37	P1R	TAL IRV

Lab Chronicle

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

Job ID: 440-259163-1

Client Sample ID: WRSB216_3-6
Lab Sample ID: 440-259163-22
Date Collected: 01/14/20 08:49
Matrix: Solid
Date Received: 01/16/20 10:00
Percent Solids: 94.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			591338	01/20/20 08:55	NE1	TAL IRV
Total/NA	Analysis	6020		20	591449	01/20/20 16:10	P1R	TAL IRV
Total/NA	Prep	7471A			591799	01/22/20 11:23	MEM	TAL IRV
Total/NA	Analysis	7471A		1	592029	01/22/20 21:19	MEM	TAL IRV

Client Sample ID: WRSB216_6-15
Lab Sample ID: 440-259163-23
Date Collected: 01/14/20 08:54
Matrix: Solid
Date Received: 01/16/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Homogenization		1	591193	01/17/20 17:23	HTL	TAL IRV
Total/NA	Analysis	Moisture		1	591196	01/17/20 17:33	HTL	TAL IRV

Client Sample ID: WRSB216_6-15
Lab Sample ID: 440-259163-23
Date Collected: 01/14/20 08:54
Matrix: Solid
Date Received: 01/16/20 10:00
Percent Solids: 94.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			591341	01/20/20 09:03	NE1	TAL IRV
Total/NA	Analysis	6010B		5	591489	01/20/20 17:50	P1R	TAL IRV
Total/NA	Prep	3050B			591341	01/20/20 09:03	NE1	TAL IRV
Total/NA	Analysis	6020		20	591561	01/20/20 16:49	B1H	TAL IRV
Total/NA	Prep	7471A			591800	01/22/20 11:25	MEM	TAL IRV
Total/NA	Analysis	7471A		1	592029	01/22/20 19:20	MEM	TAL IRV

Client Sample ID: WRSB208_136.5-141.5
Lab Sample ID: 440-259163-24
Date Collected: 01/09/20 07:50
Matrix: Solid
Date Received: 01/16/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Homogenization		1	591193	01/17/20 17:23	HTL	TAL IRV
Total/NA	Analysis	Moisture		1	591196	01/17/20 17:33	HTL	TAL IRV

Client Sample ID: WRSB208_136.5-141.5
Lab Sample ID: 440-259163-24
Date Collected: 01/09/20 07:50
Matrix: Solid
Date Received: 01/16/20 10:00
Percent Solids: 96.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			591341	01/20/20 09:03	NE1	TAL IRV
Total/NA	Analysis	6010B		5	591489	01/20/20 18:00	P1R	TAL IRV
Total/NA	Prep	3050B			591341	01/20/20 09:03	NE1	TAL IRV
Total/NA	Analysis	6020		20	591561	01/20/20 17:11	B1H	TAL IRV
Total/NA	Prep	7471A			591800	01/22/20 11:25	MEM	TAL IRV
Total/NA	Analysis	7471A		1	592029	01/22/20 19:28	MEM	TAL IRV

Lab Chronicle

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

Job ID: 440-259163-1

Client Sample ID: WRSB208_146.5-151.5
Lab Sample ID: 440-259163-25
Date Collected: 01/10/20 10:15
Matrix: Solid
Date Received: 01/16/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Homogenization		1	591193	01/17/20 17:23	HTL	TAL IRV
Total/NA	Analysis	Moisture		1	591196	01/17/20 17:33	HTL	TAL IRV

Client Sample ID: WRSB208_146.5-151.5
Lab Sample ID: 440-259163-25
Date Collected: 01/10/20 10:15
Matrix: Solid
Date Received: 01/16/20 10:00
Percent Solids: 98.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			591341	01/20/20 09:03	NE1	TAL IRV
Total/NA	Analysis	6010B		5	591489	01/20/20 18:02	P1R	TAL IRV
Total/NA	Prep	3050B			591341	01/20/20 09:03	NE1	TAL IRV
Total/NA	Analysis	6020		20	591561	01/20/20 17:14	B1H	TAL IRV
Total/NA	Prep	7471A			591800	01/22/20 11:25	MEM	TAL IRV
Total/NA	Analysis	7471A		1	592029	01/22/20 19:31	MEM	TAL IRV

Client Sample ID: WRSB215_0-0.5
Lab Sample ID: 440-259163-26
Date Collected: 01/14/20 08:55
Matrix: Solid
Date Received: 01/16/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Homogenization		1	591193	01/17/20 17:23	HTL	TAL IRV
Total/NA	Analysis	Moisture		1	591196	01/17/20 17:33	HTL	TAL IRV

Client Sample ID: WRSB215_0-0.5
Lab Sample ID: 440-259163-26
Date Collected: 01/14/20 08:55
Matrix: Solid
Date Received: 01/16/20 10:00
Percent Solids: 96.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			591341	01/20/20 09:03	NE1	TAL IRV
Total/NA	Analysis	6010B		5	591489	01/20/20 18:15	P1R	TAL IRV
Total/NA	Prep	3050B			591341	01/20/20 09:03	NE1	TAL IRV
Total/NA	Analysis	6020		20	591561	01/20/20 17:16	B1H	TAL IRV
Total/NA	Prep	7471A			591800	01/22/20 11:25	MEM	TAL IRV
Total/NA	Analysis	7471A		1	592029	01/22/20 19:33	MEM	TAL IRV

Client Sample ID: WRSB215_0.5-3
Lab Sample ID: 440-259163-27
Date Collected: 01/14/20 09:02
Matrix: Solid
Date Received: 01/16/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Homogenization		1	591193	01/17/20 17:23	HTL	TAL IRV
Total/NA	Analysis	Moisture		1	591196	01/17/20 17:33	HTL	TAL IRV

Lab Chronicle

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

Job ID: 440-259163-1

Client Sample ID: WRSB215_0.5-3
Lab Sample ID: 440-259163-27
Date Collected: 01/14/20 09:02
Matrix: Solid
Date Received: 01/16/20 10:00
Percent Solids: 95.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			591341	01/20/20 09:03	NE1	TAL IRV
Total/NA	Analysis	6010B		5	591489	01/20/20 17:54	P1R	TAL IRV
Total/NA	Prep	3050B			591341	01/20/20 09:03	NE1	TAL IRV
Total/NA	Analysis	6020		20	591561	01/20/20 16:53	B1H	TAL IRV
Total/NA	Prep	7471A			591800	01/22/20 11:25	MEM	TAL IRV
Total/NA	Analysis	7471A		1	592029	01/22/20 19:35	MEM	TAL IRV

Client Sample ID: WRSB215_3-6
Lab Sample ID: 440-259163-28
Date Collected: 01/14/20 09:12
Matrix: Solid
Date Received: 01/16/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Homogenization		1	591193	01/17/20 17:23	HTL	TAL IRV
Total/NA	Analysis	Moisture		1	591196	01/17/20 17:33	HTL	TAL IRV

Client Sample ID: WRSB215_3-6
Lab Sample ID: 440-259163-28
Date Collected: 01/14/20 09:12
Matrix: Solid
Date Received: 01/16/20 10:00
Percent Solids: 95.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			591341	01/20/20 09:03	NE1	TAL IRV
Total/NA	Analysis	6010B		5	591489	01/20/20 18:17	P1R	TAL IRV
Total/NA	Prep	3050B			591341	01/20/20 09:03	NE1	TAL IRV
Total/NA	Analysis	6020		20	591561	01/20/20 17:18	B1H	TAL IRV
Total/NA	Prep	7471A			591800	01/22/20 11:25	MEM	TAL IRV
Total/NA	Analysis	7471A		1	592029	01/22/20 19:37	MEM	TAL IRV

Client Sample ID: FB13
Lab Sample ID: 440-259163-29
Date Collected: 01/14/20 09:22
Matrix: Water
Date Received: 01/16/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			590989	01/17/20 05:18	EP	TAL IRV
Total Recoverable	Analysis	6010B		1	591185	01/17/20 16:30	KE	TAL IRV
Total/NA	Prep	3010A			458673	01/30/20 13:26	LAM	TAL SL
Total/NA	Analysis	6020A		2	459370	02/05/20 01:52	FLC	TAL SL
Total/NA	Prep	7470A			591392	01/20/20 12:36	EMS	TAL IRV
Total/NA	Analysis	7470A		1	591637	01/21/20 12:19	MEM	TAL IRV

Client Sample ID: WRSB215_6-15
Lab Sample ID: 440-259163-30
Date Collected: 01/14/20 09:25
Matrix: Solid
Date Received: 01/16/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Homogenization		1	591193	01/17/20 17:23	HTL	TAL IRV

Lab Chronicle

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

Job ID: 440-259163-1

Client Sample ID: WRSB215_6-15

Lab Sample ID: 440-259163-30
Date Collected: 01/14/20 09:25
Matrix: Solid
Date Received: 01/16/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	591196	01/17/20 17:33	HTL	TAL IRV

Client Sample ID: WRSB215_6-15

Lab Sample ID: 440-259163-30
Date Collected: 01/14/20 09:25
Matrix: Solid
Date Received: 01/16/20 10:00
Percent Solids: 96.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			591341	01/20/20 09:03	NE1	TAL IRV
Total/NA	Analysis	6010B		5	591489	01/20/20 18:20	P1R	TAL IRV
Total/NA	Prep	3050B			591341	01/20/20 09:03	NE1	TAL IRV
Total/NA	Analysis	6020		20	591561	01/20/20 17:20	B1H	TAL IRV
Total/NA	Prep	7471A			591800	01/22/20 11:25	MEM	TAL IRV
Total/NA	Analysis	7471A		1	592029	01/22/20 19:44	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: 440-259163-1
Project/Site: ACMS - BP Yerington OU-4b_OU-5 Soil

Laboratory: Eurofins Calscience Irvine

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska	State	CA01531	06-30-20
Arizona	State	AZ0671	10-14-20
California	Los Angeles County Sanitation Districts	10256	06-30-20
California	State	2706	06-30-20
Guam	State	19-005R	01-23-20 *
Hawaii	State	CA01531	01-29-20 *
Kansas	NELAP	E-10420	07-31-20
Nevada	State	CA015312020-6	07-31-20
Washington	State	C900	09-03-20

Laboratory: Eurofins TestAmerica, St. Louis

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Nevada	State	MO000542020-1	07-31-20

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Method Summary

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

Job ID: 440-259163-1

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
7471A	Mercury (CVAA)	SW846	TAL IRV
Homogenization	Homogenization	None	TAL IRV
Moisture	Percent Moisture	EPA	TAL IRV
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	TAL IRV
3010A	Preparation, Total Metals	SW846	TAL SL
3050B	Preparation, Metals	SW846	TAL IRV
7470A	Preparation, Mercury	SW846	TAL IRV
7471A	Preparation, Mercury	SW846	TAL IRV

Protocol References:

EPA = US Environmental Protection Agency

None = None

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: 440-259163-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
440-259163-1	WRSB225_0-0.5	Solid	01/09/20 13:27	01/16/20 10:00	
440-259163-2	WRSB225_0.5-3	Solid	01/09/20 13:33	01/16/20 10:00	
440-259163-3	WRSB225_3-6	Solid	01/09/20 13:42	01/16/20 10:00	
440-259163-4	WRSB225_6-15	Solid	01/09/20 13:49	01/16/20 10:00	
440-259163-5	WRSB221_0-0.5	Solid	01/10/20 09:12	01/16/20 10:00	
440-259163-6	FB12	Water	01/10/20 09:15	01/16/20 10:00	
440-259163-7	WRSB221_0.5-3	Solid	01/10/20 09:17	01/16/20 10:00	
440-259163-8	WRSB221_3-6	Solid	01/10/20 09:28	01/16/20 10:00	
440-259163-9	WRSB221_6-15	Solid	01/10/20 09:35	01/16/20 10:00	
440-259163-10	WRSB214_0-0.5	Solid	01/10/20 10:40	01/16/20 10:00	
440-259163-11	WRSB214_0.5-3	Solid	01/10/20 10:49	01/16/20 10:00	
440-259163-12	WRSB214_3-6	Solid	01/10/20 10:58	01/16/20 10:00	
440-259163-13	EB12	Water	01/10/20 11:04	01/16/20 10:00	
440-259163-14	WRSB214_6-15	Solid	01/10/20 11:08	01/16/20 10:00	
440-259163-15	WRSB213_0-0.5	Solid	01/13/20 14:09	01/16/20 10:00	
440-259163-16	WRSB213_0.5-3	Solid	01/13/20 14:16	01/16/20 10:00	
440-259163-17	WRSB213_3-6	Solid	01/13/20 14:27	01/16/20 10:00	
440-259163-18	WRSB213_6-15	Solid	01/13/20 14:34	01/16/20 10:00	
440-259163-19	WRSB213-FD_6-15	Solid	01/13/20 14:46	01/16/20 10:00	
440-259163-20	WRSB216_0-0.5	Solid	01/14/20 08:32	01/16/20 10:00	
440-259163-21	WRSB216_0.5-3	Solid	01/14/20 08:42	01/16/20 10:00	
440-259163-22	WRSB216_3-6	Solid	01/14/20 08:49	01/16/20 10:00	
440-259163-23	WRSB216_6-15	Solid	01/14/20 08:54	01/16/20 10:00	
440-259163-24	WRSB208_136.5-141.5	Solid	01/09/20 07:50	01/16/20 10:00	
440-259163-25	WRSB208_146.5-151.5	Solid	01/10/20 10:15	01/16/20 10:00	
440-259163-26	WRSB215_0-0.5	Solid	01/14/20 08:55	01/16/20 10:00	
440-259163-27	WRSB215_0.5-3	Solid	01/14/20 09:02	01/16/20 10:00	
440-259163-28	WRSB215_3-6	Solid	01/14/20 09:12	01/16/20 10:00	
440-259163-29	FB13	Water	01/14/20 09:22	01/16/20 10:00	
440-259163-30	WRSB215_6-15	Solid	01/14/20 09:25	01/16/20 10:00	

Login Container Summary Report

Temperature readings: _____

Client Sample ID	Lab ID	Container Type	Container pH	Preservative Added (mls)	Lot #
FB12	440-259163-A-6	Plastic 250ml - with Nitric Acid	1		
EB12	440-259163-A-13	Plastic 250ml - with Nitric Acid	1		
FB13	440-259163-A-29	Plastic 250ml - with Nitric Acid	1		

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	Matrix: Soil / Solid	Water / Liquid	Air / Vapor		No. Containers / Preservative: Total Number of Containers	Unpreserved	H_2SO_4	HNO_3	HCl			Requested Analyses: Metals[1] (SW 6010B/6020)	Mercury (SW7471B/7470A)	Thorium, Uranium (SW6020)							MS/MSD	Comments
	WRSB225_0-0.5	01/09/20	1327	X				1	1						X	X									[1]Metals are: Al, B, Ca, Fe, K, Li, Mg,
	WRSB225_0.5-3	01/09/20	1333	X				1	1						X	X									Na, P, Sr, Sn, Ti, by 6010B;
	WRSB225_3-6	01/09/20	1342	X				1	1						X	X									As, Ba, Be, Cd, Cr, Co, Cu, Pb, Mn,
	WRSB225_6-15	01/09/20	1349	X				1	1						X	X									Mo, Ni, Sb, Se, Ag, Tl, V, Zn by 6020
	WRSB221_0-0.5	01/10/20	0912	X				1	1						X	X									
	FB12	01/10/20	0915		X			1	*		1	BJ	01/14/20		X	X	X								
	WRSB221_0.5-3	01/10/20	0917	X				1	1						X	X									Report soil on dry weight basis.
	WRSB221_3-6	01/10/20	0928	X				1	1						X	X									
	WRSB221_6-15	01/10/20	0935	X				1	1						X	X									
	WRSB214_0-0.5	01/10/20	1040	X				1	1						X	X									

440-259163 Chain of Custody

Comments: 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	1/14/20	1500	[signature] / Wood	1/15/20	1000
Shipment Method: Fed Ex Ship Date: 1/15/20	[signature] / Wood	1/15/20	1300	[signature] EC IRV	1/16/20	1000
Shipment Tracking No: 7774 1272 8909						

Special Instructions:

THIS LINE - LAB USE ONLY: Custody Seals In Place: Yes / No | Temp Blank: Yes / No | Cooler Temp on Receipt: 2.4/2.4 °F/C | Trip Blank: Yes / No | MS/MSD Sample Submitted: Yes / No

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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
	WRSB214_0.5-3	01/10/20	1049	X			2	2				X	X		X	[1]Metals are: Al, B, Ca, Fe, K, Li, Mg,
	WRSB214_3-6	01/10/20	1058	X			1	1				X	X			Na, P, Sr, Sn, Ti, by 6010B;
	EB12	01/10/20	1104		X		1	1		1		X	X	X		As, Ba, Be, Cd, Cr, Co, Cu, Pb, Mn,
	WRSB214_6-15	01/10/20	1108	X			1	1				X	X			Mo, Ni, Sb, Se, Ag, Tl, V, Zn by 6020
	WRSB213_0-0.5	01/13/20	1409	X			1	1				X	X			
	WRSB213_0.5-3	01/13/20	1416	X			1	1				X	X			
	~~WRSB213-FD_0.5-3~~	~~01/ /20~~		~~X~~			~~1~~	~~1~~				~~X~~	~~X~~			Report soil on dry weight basis.
	WRSB213_3-6	01/13/20	1427	X			1	1				X	X			
	WRSB213_6-15	01/13/20	1434	X			1	1				X	X			
	WRSB213-FD_6-15	01/13/20	1446	X			1	1				X	X			

BJ 01/13/2020

	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Name: Kaylee Fennell						
Sampler's Company: Wood	Wood	1/14/20	1500	Wood	1/15/20	900
Shipment Method: Fed Ex Ship Date: 1/15/20	Wood	1/15/20	1300			
Shipment Tracking No: 7774 1272 8101				EC IRL	1/16/20	1000

Special Instructions:

THIS LINE - LAB USE ONLY: Custody Seals In Place: Yes / No | Temp Blank: Yes / No | Cooler Temp on Receipt: 2.4/2.4 °F/C | Trip Blank: Yes / No | MS/MSD Sample Submitted: Yes / No

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
	WRSB216_0-0.5	1/14/20	0832	X				1	1						X	X									[1]Metals are: Al, B, Ca, Fe, K, Li, Mg,
	WRSB216_0.5-3	1/14/20	0842	X				1	1						X	X									Na, P, Sr, Sn, Ti, by 6010B,
	WRSB216_3-6	1/14/20	0849	X				1	1						X	X									As, Ba, Be, Cd, Cr, Co, Cu, Pb, Mn,
	WRSB216_6-15	1/14/20	0854	X				1	1						X	X									Mo, Ni, Sb, Se, Ag, Tl, V, Zn by 6020
																									Report soil on dry weight basis.

BJ 01/14/2020

	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Name: Bryce Johnson						
Sampler's Company: Wood	/Wood	1/14/20	1500		1/15/20	900
Shipment Method: Fed Ex Ship Date: 1/15/20	/Wood	1/15/20	1300			
Shipment Tracking No: 7774 1272 0101				EC IPV	1/16/20	100

Special Instructions:

THIS LINE - LAB USE ONLY: Custody Seals In Place: Yes / No | Temp Blank: Yes / No | Cooler Temp on Receipt: 2.4/2.4 °F/C | Trip Blank: Yes / No | MS/MSD Sample Submitted: Yes / No

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

Lab Name:	TestAmerica, Inc.	BP/ARC Facility Address:	1 Austin Circle
Lab Address:	17461 Derian Ave, Suite #100 Irvine, CA 92614	City, State, ZIP Code:	Yerington, Nevada 89447
Lab PM:	Christian Bondoc	Lead Regulatory Agency:	NDEP Abandoned Mine Lands Program
Lab Phone:	949-261-1022	California Global ID No.:	
Lab Shipping Accnt:	1103-6633-7 (TAL Acct #)	Enfos Proposal No:	D019Q-0047 Work Release No: WR331232
Lab Bottle Order No.	NA	Accounting Mode:	Provision X OOC-BU ___ OOC-RM ___
Other Info:	OU-4b_OU-5_Soil	Stage:	Appraise Activity: Field Work/Remedial Investigation

Consultant/Contractor	Wood - E&I Solutions, Inc.
Consultant/Contractor Project No:	SA18170340.005.055B
Address:	10940 White Rock Rd, Ste 190 Rancho Cordova, CA 95670
Consultant/Contractor PM:	Kent Parrish
Phone: 916-636-3200	Email: Kent.Parrish@woodplc.com
Email Report/EDD To:	lynda.lombardi@woodplc.com
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
	WRSB208_136.5-141.5	1/9/20	0750	X				1	1						X	X									[1]Metals are: Al, B, Ca, Fe, K, Li, Mg,
	WRSB208_146.5-151.5	1/10/20	1015	X				1	1						X	X									Na, P, Sr, Sn, Ti, by 6010B;
	WRSB215_0-0.5	1/14/20	0855	X				1	1						X	X									As, Ba, Be, Cd, Cr, Co, Cu, Pb, Mn,
	WRSB215_0.5-3	1/14/20	0902	X				1	1						X	X									Mo, Ni, Sb, Se, Ag, Tl, V, Zn by 6020
	WRSB215_3-6	1/14/20	0912	X				1	1						X	X									
	FB13	1/14/20	0922		X			1	+	JG 1/15/20	1				X	X	X								
	WRSB215_6-15	1/14/20	0925	X				1	1						X	X									Report soil on dry weight basis.

1/14/20

Sampler's Name: Rachael Klier
Sampler's Company: Wood
Shipment Method: Fed Ex Ship Date: 1/15/20
Shipment Tracking No: 7774 1272 8901

Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
	1/14/20	1500	/ Wood	1/15/20	900
/ Wood	1/15/20	1300			
			EC IRV	1/16/20	1000

Special Instructions:

THIS LINE - LAB USE ONLY: Custody Seals In Place Yes / No | Temp Blank: Yes / No | Cooler Temp on Receipt: 2.4/2.4 F/C | Trip Blank: Yes / No | MS/MSD Sample Submitted: Yes / No

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: 440-151779.1
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 #: 440-259163-1
Address: 13715 Rider Trail North, ,	Due Date Requested: 1/30/2020			
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/3010A_2% Yerington metals	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
FB12 (440-259163-6)	1/10/20	09:15 Pacific		Water			X	1	
EB12 (440-259163-13)	1/10/20	11:04 Pacific		Water			X	1	
FB13 (440-259163-29)	1/14/20	09:22 Pacific		Water			X	1	

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: [signature]	Date/Time: 1/28/20 1700	Company: EC-IRV	Received by: [signature]	Date/Time: 1.25.20 8:50	Company: ETASTL
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: 440-259163-1

Login Number: 259163
List Number: 1
Creator: Bonta, Lucia F

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.	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").	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: 440-259163-1

Login Number: 259163
List Number: 2
Creator: Harris, Lorin C

List Source: Eurofins TestAmerica, St. Louis
List Creation: 01/29/20 01:47 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	

METALS BATCH WORKSHEET

Lab Name: Eurofins Irvine Job No.: 440-259163-1

SDG No.:

Batch Number: 590989 Batch Start Date: 01/17/20 05:17 Batch Analyst: Perez, Edwin

Batch Method: 3005A Batch End Date: 01/17/20 10:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	Initial pH	InitialAmount	FinalAmount	ME HCl 00554	ME HNO3 00553	ME ICP PREP S 00033
MB 440-590989/1		3005A, 6010B			25 mL	25 mL	1.25 mL	0.5 mL	
LCS 440-590989/2		3005A, 6010B			25 mL	25 mL	1.25 mL	0.5 mL	0.25 mL
440-259169-A-4		3005A, 6010B	R	<2 SU	25 mL	25 mL	1.25 mL	0.5 mL	
440-259169-A-4 MS		3005A, 6010B	R	<2 SU	25 mL	25 mL	1.25 mL	0.5 mL	0.25 mL
440-259169-A-4 MSD		3005A, 6010B	R	<2 SU	25 mL	25 mL	1.25 mL	0.5 mL	0.25 mL
440-259163-A-6	FB12	3005A, 6010B	R	<2 SU	25 mL	25 mL	1.25 mL	0.5 mL	
440-259163-A-13	EB12	3005A, 6010B	R	<2 SU	25 mL	25 mL	1.25 mL	0.5 mL	
440-259163-A-29	FB13	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 00034					
MB 440-590989/1		3005A, 6010B							
LCS 440-590989/2		3005A, 6010B		0.25 mL					
440-259169-A-4		3005A, 6010B	R						
440-259169-A-4 MS		3005A, 6010B	R	0.25 mL					
440-259169-A-4 MSD		3005A, 6010B	R	0.25 mL					
440-259163-A-6	FB12	3005A, 6010B	R						
440-259163-A-13	EB12	3005A, 6010B	R						
440-259163-A-29	FB13	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.: 440-259163-1

SDG No.:

Batch Number: 590989 Batch Start Date: 01/17/20 05:17 Batch Analyst: Perez, Edwin

Batch Method: 3005A Batch End Date: 01/17/20 10:00

Batch Notes	
Temperature - Corrected - End	91 Degrees C
Temperature - Corrected - Start	91 Degrees C
Digestion End Time	01/17/2019 09:40
Digestion Start Time	01/17/2019 05:40
Digestion Unit ID	1
Hydrochloric Acid ID	0000240180
Nitric Acid ID	0000221803
Pipette/Syringe/Dispenser ID	MET201
Thermometer ID	p-135, B13, CF=-2
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.: 440-259163-1

SDG No.:

Batch Number: 591338 Batch Start Date: 01/20/20 08:55 Batch Analyst: Eidinejad, Naheed

Batch Method: 3050B Batch End Date: 01/20/20 13:40

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	ICP STD A 00003	ICP STD B 00003	ME 1:1 HNO3 00292	ME 30% H2O2 00110
MB 440-591338/1		3050B, 6010B		2.00 g	50 mL			5 mL	3 mL
LCS 440-591338/2		3050B, 6010B		1.98 g	50 mL	0.5 mL	0.5 mL	5 mL	3 mL
440-259163-B-11	WRSB214_0.5-3	3050B, 6010B	T	2.01 g	50 mL			5 mL	3 mL
440-259163-B-11 MS	WRSB214_0.5-3	3050B, 6010B	T	2.00 g	50 mL	0.5 mL	0.5 mL	5 mL	3 mL
440-259163-B-11 MSD	WRSB214_0.5-3	3050B, 6010B	T	2.01 g	50 mL	0.5 mL	0.5 mL	5 mL	3 mL
440-259163-B-1	WRSB225_0-0.5	3050B, 6010B	T	1.97 g	50 mL			5 mL	3 mL
440-259163-B-2	WRSB225_0.5-3	3050B, 6010B	T	1.99 g	50 mL			5 mL	3 mL
440-259163-B-3	WRSB225_3-6	3050B, 6010B	T	2.01 g	50 mL			5 mL	3 mL
440-259163-B-4	WRSB225_6-15	3050B, 6010B	T	2.02 g	50 mL			5 mL	3 mL
440-259163-B-5	WRSB221_0-0.5	3050B, 6010B	T	1.98 g	50 mL			5 mL	3 mL
440-259163-B-7	WRSB221_0.5-3	3050B, 6010B	T	1.99 g	50 mL			5 mL	3 mL
440-259163-B-8	WRSB221_3-6	3050B, 6010B	T	2.01 g	50 mL			5 mL	3 mL
440-259163-B-9	WRSB221_6-15	3050B, 6010B	T	2.04 g	50 mL			5 mL	3 mL
440-259163-B-10	WRSB214_0-0.5	3050B, 6010B	T	1.99 g	50 mL			5 mL	3 mL
440-259163-B-12	WRSB214_3-6	3050B, 6010B	T	2.01 g	50 mL			5 mL	3 mL
440-259163-B-14	WRSB214_6-15	3050B, 6010B	T	2.00 g	50 mL			5 mL	3 mL
440-259163-B-15	WRSB213_0-0.5	3050B, 6010B	T	2.02 g	50 mL			5 mL	3 mL
440-259163-B-16	WRSB213_0.5-3	3050B, 6010B	T	1.99 g	50 mL			5 mL	3 mL
440-259163-B-17	WRSB213_3-6	3050B, 6010B	T	1.98 g	50 mL			5 mL	3 mL
440-259163-B-18	WRSB213_6-15	3050B, 6010B	T	1.97 g	50 mL			5 mL	3 mL
440-259163-B-19	WRSB213-FD_6-15	3050B, 6010B	T	2.01 g	50 mL			5 mL	3 mL
440-259163-B-20	WRSB216_0-0.5	3050B, 6010B	T	2.02 g	50 mL			5 mL	3 mL
440-259163-B-21	WRSB216_0.5-3	3050B, 6010B	T	1.98 g	50 mL			5 mL	3 mL
440-259163-B-22	WRSB216_3-6	3050B, 6010B	T	1.99 g	50 mL			5 mL	3 mL

Lab Sample ID	Client Sample ID	Method Chain	Basis	ME HCl 00551	ME HNO3 00548				
MB 440-591338/1		3050B, 6010B		5 mL	5 mL				
LCS 440-591338/2		3050B, 6010B		5 mL	5 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.: 440-259163-1

SDG No.:

Batch Number: 591338 Batch Start Date: 01/20/20 08:55 Batch Analyst: Eidinejad, Naheed

Batch Method: 3050B Batch End Date: 01/20/20 13:40

Lab Sample ID	Client Sample ID	Method Chain	Basis	ME HCl 00551	ME HNO3 00548				
440-259163-B-11	WRSB214_0.5-3	3050B, 6010B	T	5 mL	5 mL				
440-259163-B-11 MS	WRSB214_0.5-3	3050B, 6010B	T	5 mL	5 mL				
440-259163-B-11 MSD	WRSB214_0.5-3	3050B, 6010B	T	5 mL	5 mL				
440-259163-B-1	WRSB225_0-0.5	3050B, 6010B	T	5 mL	5 mL				
440-259163-B-2	WRSB225_0.5-3	3050B, 6010B	T	5 mL	5 mL				
440-259163-B-3	WRSB225_3-6	3050B, 6010B	T	5 mL	5 mL				
440-259163-B-4	WRSB225_6-15	3050B, 6010B	T	5 mL	5 mL				
440-259163-B-5	WRSB221_0-0.5	3050B, 6010B	T	5 mL	5 mL				
440-259163-B-7	WRSB221_0.5-3	3050B, 6010B	T	5 mL	5 mL				
440-259163-B-8	WRSB221_3-6	3050B, 6010B	T	5 mL	5 mL				
440-259163-B-9	WRSB221_6-15	3050B, 6010B	T	5 mL	5 mL				
440-259163-B-10	WRSB214_0-0.5	3050B, 6010B	T	5 mL	5 mL				
440-259163-B-12	WRSB214_3-6	3050B, 6010B	T	5 mL	5 mL				
440-259163-B-14	WRSB214_6-15	3050B, 6010B	T	5 mL	5 mL				
440-259163-B-15	WRSB213_0-0.5	3050B, 6010B	T	5 mL	5 mL				
440-259163-B-16	WRSB213_0.5-3	3050B, 6010B	T	5 mL	5 mL				
440-259163-B-17	WRSB213_3-6	3050B, 6010B	T	5 mL	5 mL				
440-259163-B-18	WRSB213_6-15	3050B, 6010B	T	5 mL	5 mL				
440-259163-B-19	WRSB213-FD_6-15	3050B, 6010B	T	5 mL	5 mL				
440-259163-B-20	WRSB216_0-0.5	3050B, 6010B	T	5 mL	5 mL				
440-259163-B-21	WRSB216_0.5-3	3050B, 6010B	T	5 mL	5 mL				
440-259163-B-22	WRSB216_3-6	3050B, 6010B	T	5 mL	5 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.: 440-259163-1

SDG No.:

Batch Number: 591338 Batch Start Date: 01/20/20 08:55 Batch Analyst: Eidinejad, Naheed

Batch Method: 3050B Batch End Date: 01/20/20 13:40

Batch Notes	
Balance ID	57
Batch Comment	Spike A&B=500 ul
Blank Soil Lot Number	25438819
Temperature - Corrected - End	94 Degrees C
Temperature - Corrected - Start	93 Degrees C
Digestion End Time	01/20/2020 13:10
Digestion Start Time	01/20/2020 09:45
Digestion Unit ID	3
Digestion Tube/Cup ID	1906257
Filter ID	19-107 Gr. 389
Hydrogen Peroxide ID	6019234
Hydrochloric Acid ID	5999212
Nitric Acid ID	5997059
Pipette/Syringe/Dispenser ID	#902
Analyst ID - Spike Analyst	NE
Thermometer ID	P-090 (Loc. # C 02) CF=-1.00
Temperature - Uncorrected - End	95 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 Irvine Job No.: 440-259163-1

SDG No.:

Batch Number: 591341 Batch Start Date: 01/20/20 09:03 Batch Analyst: Eidinejad, Naheed

Batch Method: 3050B Batch End Date: 01/20/20 13:50

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	ICP STD A 00003	ICP STD B 00003	ME 1:1 HNO3 00292	ME 30% H2O2 00110
MB 440-591341/1		3050B, 6010B		1.98 g	50 mL			5 mL	3 mL
LCS 440-591341/2		3050B, 6010B		2.01 g	50 mL	0.5 mL	0.5 mL	5 mL	3 mL
440-259163-B-23	WRSB216_6-15	3050B, 6010B	T	2.00 g	50 mL			5 mL	3 mL
440-259163-B-23 MS	WRSB216_6-15	3050B, 6010B	T	1.97 g	50 mL	0.5 mL	0.5 mL	5 mL	3 mL
440-259163-B-23 MSD	WRSB216_6-15	3050B, 6010B	T	1.99 g	50 mL	0.5 mL	0.5 mL	5 mL	3 mL
440-259163-B-24	WRSB208_136.5-141.5	3050B, 6010B	T	2.00 g	50 mL			5 mL	3 mL
440-259163-B-25	WRSB208_146.5-151.5	3050B, 6010B	T	2.02 g	50 mL			5 mL	3 mL
440-259163-B-26	WRSB215_0-0.5	3050B, 6010B	T	1.99 g	50 mL			5 mL	3 mL
440-259163-B-27	WRSB215_0.5-3	3050B, 6010B	T	2.00 g	50 mL			5 mL	3 mL
440-259163-B-28	WRSB215_3-6	3050B, 6010B	T	1.99 g	50 mL			5 mL	3 mL
440-259163-B-30	WRSB215_6-15	3050B, 6010B	T	2.02 g	50 mL			5 mL	3 mL

Lab Sample ID	Client Sample ID	Method Chain	Basis	ME HCl 00551	ME HNO3 00548				
MB 440-591341/1		3050B, 6010B		5 mL	5 mL				
LCS 440-591341/2		3050B, 6010B		5 mL	5 mL				
440-259163-B-23	WRSB216_6-15	3050B, 6010B	T	5 mL	5 mL				
440-259163-B-23 MS	WRSB216_6-15	3050B, 6010B	T	5 mL	5 mL				
440-259163-B-23 MSD	WRSB216_6-15	3050B, 6010B	T	5 mL	5 mL				
440-259163-B-24	WRSB208_136.5-141.5	3050B, 6010B	T	5 mL	5 mL				
440-259163-B-25	WRSB208_146.5-151.5	3050B, 6010B	T	5 mL	5 mL				
440-259163-B-26	WRSB215_0-0.5	3050B, 6010B	T	5 mL	5 mL				
440-259163-B-27	WRSB215_0.5-3	3050B, 6010B	T	5 mL	5 mL				
440-259163-B-28	WRSB215_3-6	3050B, 6010B	T	5 mL	5 mL				
440-259163-B-30	WRSB215_6-15	3050B, 6010B	T	5 mL	5 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.: 440-259163-1

SDG No.:

Batch Number: 591341 Batch Start Date: 01/20/20 09:03 Batch Analyst: Eidinejad, Naheed

Batch Method: 3050B Batch End Date: 01/20/20 13:50

Batch Notes	
Balance ID	57
Batch Comment	Spike A&B=500 ul
Blank Soil Lot Number	25438819
Temperature - Corrected - End	94 Degrees C
Temperature - Corrected - Start	93 Degrees C
Digestion End Time	01/20/2020 13:10
Digestion Start Time	01/20/2020 09:45
Digestion Unit ID	3
Digestion Tube/Cup ID	1906257
Filter ID	19-107 Gr. 389
Hydrogen Peroxide ID	6019234
Hydrochloric Acid ID	5999212
Nitric Acid ID	5997059
Pipette/Syringe/Dispenser ID	#902
Analyst ID - Spike Analyst	NE
Thermometer ID	P-090 (Loc. # C 02) CF=-1.00
Temperature - Uncorrected - End	95 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 Irvine Job No.: 440-259163-1

SDG No.:

Batch Number: 591338 Batch Start Date: 01/20/20 08:55 Batch Analyst: Eidinejad, Naheed

Batch Method: 3050B Batch End Date: 01/20/20 13:40

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	ICP STD A 00003	ICP STD B 00003	ME 1:1 HNO3 00292	ME 30% H2O2 00110
MB 440-591338/1		3050B, 6020		2.00 g	50 mL			5 mL	3 mL
LCS 440-591338/2		3050B, 6020		1.98 g	50 mL	0.5 mL	0.5 mL	5 mL	3 mL
440-259163-B-11	WRSB214_0.5-3	3050B, 6020	T	2.01 g	50 mL			5 mL	3 mL
440-259163-B-11 MS	WRSB214_0.5-3	3050B, 6020	T	2.00 g	50 mL	0.5 mL	0.5 mL	5 mL	3 mL
440-259163-B-11 MSD	WRSB214_0.5-3	3050B, 6020	T	2.01 g	50 mL	0.5 mL	0.5 mL	5 mL	3 mL
440-259163-B-1	WRSB225_0-0.5	3050B, 6020	T	1.97 g	50 mL			5 mL	3 mL
440-259163-B-2	WRSB225_0.5-3	3050B, 6020	T	1.99 g	50 mL			5 mL	3 mL
440-259163-B-3	WRSB225_3-6	3050B, 6020	T	2.01 g	50 mL			5 mL	3 mL
440-259163-B-4	WRSB225_6-15	3050B, 6020	T	2.02 g	50 mL			5 mL	3 mL
440-259163-B-5	WRSB221_0-0.5	3050B, 6020	T	1.98 g	50 mL			5 mL	3 mL
440-259163-B-7	WRSB221_0.5-3	3050B, 6020	T	1.99 g	50 mL			5 mL	3 mL
440-259163-B-8	WRSB221_3-6	3050B, 6020	T	2.01 g	50 mL			5 mL	3 mL
440-259163-B-9	WRSB221_6-15	3050B, 6020	T	2.04 g	50 mL			5 mL	3 mL
440-259163-B-10	WRSB214_0-0.5	3050B, 6020	T	1.99 g	50 mL			5 mL	3 mL
440-259163-B-12	WRSB214_3-6	3050B, 6020	T	2.01 g	50 mL			5 mL	3 mL
440-259163-B-14	WRSB214_6-15	3050B, 6020	T	2.00 g	50 mL			5 mL	3 mL
440-259163-B-15	WRSB213_0-0.5	3050B, 6020	T	2.02 g	50 mL			5 mL	3 mL
440-259163-B-16	WRSB213_0.5-3	3050B, 6020	T	1.99 g	50 mL			5 mL	3 mL
440-259163-B-17	WRSB213_3-6	3050B, 6020	T	1.98 g	50 mL			5 mL	3 mL
440-259163-B-18	WRSB213_6-15	3050B, 6020	T	1.97 g	50 mL			5 mL	3 mL
440-259163-B-19	WRSB213-FD_6-15	3050B, 6020	T	2.01 g	50 mL			5 mL	3 mL
440-259163-B-20	WRSB216_0-0.5	3050B, 6020	T	2.02 g	50 mL			5 mL	3 mL
440-259163-B-21	WRSB216_0.5-3	3050B, 6020	T	1.98 g	50 mL			5 mL	3 mL
440-259163-B-22	WRSB216_3-6	3050B, 6020	T	1.99 g	50 mL			5 mL	3 mL

Lab Sample ID	Client Sample ID	Method Chain	Basis	ME HCl 00551	ME HNO3 00548				
MB 440-591338/1		3050B, 6020		5 mL	5 mL				
LCS 440-591338/2		3050B, 6020		5 mL	5 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.: 440-259163-1

SDG No.:

Batch Number: 591338 Batch Start Date: 01/20/20 08:55 Batch Analyst: Eidinejad, Naheed

Batch Method: 3050B Batch End Date: 01/20/20 13:40

Lab Sample ID	Client Sample ID	Method Chain	Basis	ME HCl 00551	ME HNO3 00548				
440-259163-B-11	WRSB214_0.5-3	3050B, 6020	T	5 mL	5 mL				
440-259163-B-11 MS	WRSB214_0.5-3	3050B, 6020	T	5 mL	5 mL				
440-259163-B-11 MSD	WRSB214_0.5-3	3050B, 6020	T	5 mL	5 mL				
440-259163-B-1	WRSB225_0-0.5	3050B, 6020	T	5 mL	5 mL				
440-259163-B-2	WRSB225_0.5-3	3050B, 6020	T	5 mL	5 mL				
440-259163-B-3	WRSB225_3-6	3050B, 6020	T	5 mL	5 mL				
440-259163-B-4	WRSB225_6-15	3050B, 6020	T	5 mL	5 mL				
440-259163-B-5	WRSB221_0-0.5	3050B, 6020	T	5 mL	5 mL				
440-259163-B-7	WRSB221_0.5-3	3050B, 6020	T	5 mL	5 mL				
440-259163-B-8	WRSB221_3-6	3050B, 6020	T	5 mL	5 mL				
440-259163-B-9	WRSB221_6-15	3050B, 6020	T	5 mL	5 mL				
440-259163-B-10	WRSB214_0-0.5	3050B, 6020	T	5 mL	5 mL				
440-259163-B-12	WRSB214_3-6	3050B, 6020	T	5 mL	5 mL				
440-259163-B-14	WRSB214_6-15	3050B, 6020	T	5 mL	5 mL				
440-259163-B-15	WRSB213_0-0.5	3050B, 6020	T	5 mL	5 mL				
440-259163-B-16	WRSB213_0.5-3	3050B, 6020	T	5 mL	5 mL				
440-259163-B-17	WRSB213_3-6	3050B, 6020	T	5 mL	5 mL				
440-259163-B-18	WRSB213_6-15	3050B, 6020	T	5 mL	5 mL				
440-259163-B-19	WRSB213-FD_6-15	3050B, 6020	T	5 mL	5 mL				
440-259163-B-20	WRSB216_0-0.5	3050B, 6020	T	5 mL	5 mL				
440-259163-B-21	WRSB216_0.5-3	3050B, 6020	T	5 mL	5 mL				
440-259163-B-22	WRSB216_3-6	3050B, 6020	T	5 mL	5 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.: 440-259163-1

SDG No.:

Batch Number: 591338 Batch Start Date: 01/20/20 08:55 Batch Analyst: Eidinejad, Naheed

Batch Method: 3050B Batch End Date: 01/20/20 13:40

Batch Notes	
Balance ID	57
Batch Comment	Spike A&B=500 ul
Blank Soil Lot Number	25438819
Temperature - Corrected - End	94 Degrees C
Temperature - Corrected - Start	93 Degrees C
Digestion End Time	01/20/2020 13:10
Digestion Start Time	01/20/2020 09:45
Digestion Unit ID	3
Digestion Tube/Cup ID	1906257
Filter ID	19-107 Gr. 389
Hydrogen Peroxide ID	6019234
Hydrochloric Acid ID	5999212
Nitric Acid ID	5997059
Pipette/Syringe/Dispenser ID	#902
Analyst ID - Spike Analyst	NE
Thermometer ID	P-090 (Loc. # C 02) CF=-1.00
Temperature - Uncorrected - End	95 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 Irvine Job No.: 440-259163-1

SDG No.:

Batch Number: 591341 Batch Start Date: 01/20/20 09:03 Batch Analyst: Eidinejad, Naheed

Batch Method: 3050B Batch End Date: 01/20/20 13:50

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	ICP STD A 00003	ICP STD B 00003	ME 1:1 HNO3 00292	ME 30% H2O2 00110
MB 440-591341/1		3050B, 6020		1.98 g	50 mL			5 mL	3 mL
LCS 440-591341/2		3050B, 6020		2.01 g	50 mL	0.5 mL	0.5 mL	5 mL	3 mL
440-259163-B-23	WRSB216_6-15	3050B, 6020	T	2.00 g	50 mL			5 mL	3 mL
440-259163-B-23 MS	WRSB216_6-15	3050B, 6020	T	1.97 g	50 mL	0.5 mL	0.5 mL	5 mL	3 mL
440-259163-B-23 MSD	WRSB216_6-15	3050B, 6020	T	1.99 g	50 mL	0.5 mL	0.5 mL	5 mL	3 mL
440-259163-B-24	WRSB208_136.5-141.5	3050B, 6020	T	2.00 g	50 mL			5 mL	3 mL
440-259163-B-25	WRSB208_146.5-151.5	3050B, 6020	T	2.02 g	50 mL			5 mL	3 mL
440-259163-B-26	WRSB215_0-0.5	3050B, 6020	T	1.99 g	50 mL			5 mL	3 mL
440-259163-B-27	WRSB215_0.5-3	3050B, 6020	T	2.00 g	50 mL			5 mL	3 mL
440-259163-B-28	WRSB215_3-6	3050B, 6020	T	1.99 g	50 mL			5 mL	3 mL
440-259163-B-30	WRSB215_6-15	3050B, 6020	T	2.02 g	50 mL			5 mL	3 mL

Lab Sample ID	Client Sample ID	Method Chain	Basis	ME HCl 00551	ME HNO3 00548				
MB 440-591341/1		3050B, 6020		5 mL	5 mL				
LCS 440-591341/2		3050B, 6020		5 mL	5 mL				
440-259163-B-23	WRSB216_6-15	3050B, 6020	T	5 mL	5 mL				
440-259163-B-23 MS	WRSB216_6-15	3050B, 6020	T	5 mL	5 mL				
440-259163-B-23 MSD	WRSB216_6-15	3050B, 6020	T	5 mL	5 mL				
440-259163-B-24	WRSB208_136.5-141.5	3050B, 6020	T	5 mL	5 mL				
440-259163-B-25	WRSB208_146.5-151.5	3050B, 6020	T	5 mL	5 mL				
440-259163-B-26	WRSB215_0-0.5	3050B, 6020	T	5 mL	5 mL				
440-259163-B-27	WRSB215_0.5-3	3050B, 6020	T	5 mL	5 mL				
440-259163-B-28	WRSB215_3-6	3050B, 6020	T	5 mL	5 mL				
440-259163-B-30	WRSB215_6-15	3050B, 6020	T	5 mL	5 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.: 440-259163-1

SDG No.:

Batch Number: 591341 Batch Start Date: 01/20/20 09:03 Batch Analyst: Eidinejad, Naheed

Batch Method: 3050B Batch End Date: 01/20/20 13:50

Batch Notes	
Balance ID	57
Batch Comment	Spike A&B=500 ul
Blank Soil Lot Number	25438819
Temperature - Corrected - End	94 Degrees C
Temperature - Corrected - Start	93 Degrees C
Digestion End Time	01/20/2020 13:10
Digestion Start Time	01/20/2020 09:45
Digestion Unit ID	3
Digestion Tube/Cup ID	1906257
Filter ID	19-107 Gr. 389
Hydrogen Peroxide ID	6019234
Hydrochloric Acid ID	5999212
Nitric Acid ID	5997059
Pipette/Syringe/Dispenser ID	#902
Analyst ID - Spike Analyst	NE
Thermometer ID	P-090 (Loc. # C 02) CF=-1.00
Temperature - Uncorrected - End	95 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 Irvine Job No.: 440-259163-1

SDG No.:

Batch Number: 591392 Batch Start Date: 01/20/20 12:36 Batch Analyst: Suico, Ethel M

Batch Method: 7470A Batch End Date: 01/20/20 17:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	Initial pH	InitialAmount	FinalAmount	ME 1 PPM HG1 00418	ME H2SO4 00095	ME HNO3 00551
MB 440-591392/1		7470A, 7470A		n/a SU	20 mL	20 mL		1 mL	0.5 mL
LCS 440-591392/2		7470A, 7470A		n/a SU	20 mL	20 mL	80 uL	1 mL	0.5 mL
720-96968-A-2		7470A, 7470A	T	<2 SU	20 mL	20 mL		1 mL	0.5 mL
720-96968-A-2 MS		7470A, 7470A	T	<2 SU	20 mL	20 mL	80 uL	1 mL	0.5 mL
720-96968-A-2 MSD		7470A, 7470A	T	<2 SU	20 mL	20 mL	80 uL	1 mL	0.5 mL
440-259163-A-6	FB12	7470A, 7470A	T	<2 SU	20 mL	20 mL		1 mL	0.5 mL
440-259163-A-13	EB12	7470A, 7470A	T	<2 SU	20 mL	20 mL		1 mL	0.5 mL
440-259163-A-29	FB13	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 00117	ME K2S2O8 00093	ME KMN04 00189			
MB 440-591392/1		7470A, 7470A		2 mL	1.6 mL	3 mL			
LCS 440-591392/2		7470A, 7470A		2 mL	1.6 mL	3 mL			
720-96968-A-2		7470A, 7470A	T	2 mL	1.6 mL	3 mL			
720-96968-A-2 MS		7470A, 7470A	T	2 mL	1.6 mL	3 mL			
720-96968-A-2 MSD		7470A, 7470A	T	2 mL	1.6 mL	3 mL			
440-259163-A-6	FB12	7470A, 7470A	T	2 mL	1.6 mL	3 mL			
440-259163-A-13	EB12	7470A, 7470A	T	2 mL	1.6 mL	3 mL			
440-259163-A-29	FB13	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.: 440-259163-1

SDG No.:

Batch Number: 591392 Batch Start Date: 01/20/20 12:36 Batch Analyst: Suico, Ethel M

Batch Method: 7470A Batch End Date: 01/20/20 17:30

Batch Notes	
Batch Comment	MB Loc: B18
Temperature - Corrected - End	94 Degrees C
Temperature - Corrected - Start	94 Degrees C
Digestion End Time	01/20/2020 16:31
Digestion Start Time	01/20/2020 14:31
Digestion Unit ID	8
Sulfuric Acid ID	Lot: 0000234517
Nitric Acid ID	Lot: 0000221803
Hydroxylamine ID	6040574 @ 01/20/2020 17:00
Potassium Persulfate ID	6032548
Potassium Permanganate ID	6040428
pH Indicator ID	HC998308
Pipette/Syringe/Dispenser ID	122
Analyst ID - Spike Analyst	MM
Thermometer ID	P-120 CF -1 Loc: C2
Digestion Tube/Cup ID	1906257
Temperature - Uncorrected - End	95 Degrees C
Temperature - Uncorrected - Start	95 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 Irvine Job No.: 440-259163-1

SDG No.:

Batch Number: 591799 Batch Start Date: 01/22/20 11:23 Batch Analyst: Mercado, Michael E

Batch Method: 7471A Batch End Date: 01/22/20 18:40

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	ME 1 PPM HG1 00418	ME Aqua Regia 00794	ME HYDROX SOL 00118	ME KMN04 00190
MB 440-591799/1		7471A, 7471A		0.50 g	50 mL		4.2 mL	5 mL	12.4 mL
LCS 440-591799/2		7471A, 7471A		0.50 g	50 mL	200 uL	4.2 mL	5 mL	12.4 mL
440-259163-B-11	WRSB214_0.5-3	7471A, 7471A	T	0.49 g	50 mL		4.2 mL	5 mL	12.4 mL
440-259163-B-11 MS	WRSB214_0.5-3	7471A, 7471A	T	0.50 g	50 mL	200 uL	4.2 mL	5 mL	12.4 mL
440-259163-B-11 MSD	WRSB214_0.5-3	7471A, 7471A	T	0.50 g	50 mL	200 uL	4.2 mL	5 mL	12.4 mL
440-259163-B-1	WRSB225_0-0.5	7471A, 7471A	T	0.50 g	50 mL		4.2 mL	5 mL	12.4 mL
440-259163-B-2	WRSB225_0.5-3	7471A, 7471A	T	0.49 g	50 mL		4.2 mL	5 mL	12.4 mL
440-259163-B-3	WRSB225_3-6	7471A, 7471A	T	0.49 g	50 mL		4.2 mL	5 mL	12.4 mL
440-259163-B-4	WRSB225_6-15	7471A, 7471A	T	0.50 g	50 mL		4.2 mL	5 mL	12.4 mL
440-259163-B-5	WRSB221_0-0.5	7471A, 7471A	T	0.50 g	50 mL		4.2 mL	5 mL	12.4 mL
440-259163-B-7	WRSB221_0.5-3	7471A, 7471A	T	0.50 g	50 mL		4.2 mL	5 mL	12.4 mL
440-259163-B-8	WRSB221_3-6	7471A, 7471A	T	0.51 g	50 mL		4.2 mL	5 mL	12.4 mL
440-259163-B-9	WRSB221_6-15	7471A, 7471A	T	0.49 g	50 mL		4.2 mL	5 mL	12.4 mL
440-259163-B-10	WRSB214_0-0.5	7471A, 7471A	T	0.51 g	50 mL		4.2 mL	5 mL	12.4 mL
440-259163-B-12	WRSB214_3-6	7471A, 7471A	T	0.51 g	50 mL		4.2 mL	5 mL	12.4 mL
440-259163-B-14	WRSB214_6-15	7471A, 7471A	T	0.51 g	50 mL		4.2 mL	5 mL	12.4 mL
440-259163-B-15	WRSB213_0-0.5	7471A, 7471A	T	0.51 g	50 mL		4.2 mL	5 mL	12.4 mL
440-259163-B-16	WRSB213_0.5-3	7471A, 7471A	T	0.50 g	50 mL		4.2 mL	5 mL	12.4 mL
440-259163-B-17	WRSB213_3-6	7471A, 7471A	T	0.50 g	50 mL		4.2 mL	5 mL	12.4 mL
440-259163-B-18	WRSB213_6-15	7471A, 7471A	T	0.49 g	50 mL		4.2 mL	5 mL	12.4 mL
440-259163-B-19	WRSB213-FD_6-15	7471A, 7471A	T	0.50 g	50 mL		4.2 mL	5 mL	12.4 mL
440-259163-B-20	WRSB216_0-0.5	7471A, 7471A	T	0.50 g	50 mL		4.2 mL	5 mL	12.4 mL
440-259163-B-21	WRSB216_0.5-3	7471A, 7471A	T	0.49 g	50 mL		4.2 mL	5 mL	12.4 mL
440-259163-B-22	WRSB216_3-6	7471A, 7471A	T	0.50 g	50 mL		4.2 mL	5 mL	12.4 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.: 440-259163-1

SDG No.:

Batch Number: 591799 Batch Start Date: 01/22/20 11:23 Batch Analyst: Mercado, Michael E

Batch Method: 7471A Batch End Date: 01/22/20 18:40

Batch Notes	
Balance ID	63
Batch Comment	MB Loc: B18
Blank Matrix ID	25438819
Temperature - Corrected - End	97 Degrees C
Temperature - Corrected - Start	97 Degrees C
Digestion End Time	01/22/2020 16:49
Digestion Start Time	01/22/2020 16:19
Digestion Unit ID	12
Hydrochloric Acid ID	Lot: 0000243992
Nitric Acid ID	Lot: 0000221803
Hydroxylamine ID	6055963 @ 01/22/2020 17:15
Potassium Permanganate ID	6055819
Pipette/Syringe/Dispenser ID	122
Analyst ID - Spike Analyst	MM
Thermometer ID	P-128 CF +1 Loc: C4
Digestion Tube/Cup ID	1906257
Temperature - Uncorrected - End	96 Degrees C
Temperature - Uncorrected - Start	96 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 Irvine Job No.: 440-259163-1

SDG No.:

Batch Number: 591800 Batch Start Date: 01/22/20 11:25 Batch Analyst: Mercado, Michael E

Batch Method: 7471A Batch End Date: 01/22/20 18:40

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	ME 1 PPM HG1 00418	ME Aqua Regia 00794	ME HYDROX SOL 00118	ME KMN04 00190
MB 440-591800/1		7471A, 7471A		0.50 g	50 mL		4.2 mL	5 mL	12.4 mL
LCS 440-591800/2		7471A, 7471A		0.50 g	50 mL	200 uL	4.2 mL	5 mL	12.4 mL
440-259163-B-23	WRSB216_6-15	7471A, 7471A	T	0.50 g	50 mL		4.2 mL	5 mL	12.4 mL
440-259163-B-23 MS	WRSB216_6-15	7471A, 7471A	T	0.50 g	50 mL	200 uL	4.2 mL	5 mL	12.4 mL
440-259163-B-23 MSD	WRSB216_6-15	7471A, 7471A	T	0.49 g	50 mL	200 uL	4.2 mL	5 mL	12.4 mL
440-259163-B-24	WRSB208_136.5-141.5	7471A, 7471A	T	0.51 g	50 mL		4.2 mL	5 mL	12.4 mL
440-259163-B-25	WRSB208_146.5-151.5	7471A, 7471A	T	0.50 g	50 mL		4.2 mL	5 mL	12.4 mL
440-259163-B-26	WRSB215_0-0.5	7471A, 7471A	T	0.50 g	50 mL		4.2 mL	5 mL	12.4 mL
440-259163-B-27	WRSB215_0.5-3	7471A, 7471A	T	0.50 g	50 mL		4.2 mL	5 mL	12.4 mL
440-259163-B-28	WRSB215_3-6	7471A, 7471A	T	0.50 g	50 mL		4.2 mL	5 mL	12.4 mL
440-259163-B-30	WRSB215_6-15	7471A, 7471A	T	0.49 g	50 mL		4.2 mL	5 mL	12.4 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.: 440-259163-1

SDG No.:

Batch Number: 591800 Batch Start Date: 01/22/20 11:25 Batch Analyst: Mercado, Michael E

Batch Method: 7471A Batch End Date: 01/22/20 18:40

Batch Notes	
Balance ID	63
Batch Comment	MB Loc: A6
Blank Matrix ID	25438819
Temperature - Corrected - End	92 Degrees C
Temperature - Corrected - Start	92 Degrees C
Digestion End Time	01/22/2020 16:49
Digestion Start Time	01/22/2020 16:19
Digestion Unit ID	13
Hydrochloric Acid ID	Lot: 0000243992
Nitric Acid ID	Lot: 0000221803
Hydroxylamine ID	6055963 @ 01/22/2020 17:15
Potassium Permanganate ID	6055819
Pipette/Syringe/Dispenser ID	122
Analyst ID - Spike Analyst	MM
Thermometer ID	P-114 CF -1 Loc: C4
Digestion Tube/Cup ID	1906257
Temperature - Uncorrected - End	93 Degrees C
Temperature - Uncorrected - Start	93 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.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: Eurofins Irvine Job No.: 440-259163-1

SDG No.:

Batch Number: 591195 Batch Start Date: 01/17/20 17:27 Batch Analyst: Le, Ha Thanh T

Batch Method: Moisture Batch End Date: 01/20/20 18:15

Lab Sample ID	Client Sample ID	Method Chain	Basis	DishWeight	SampleMassWet	SampleMassDry	AnalysisComment		
440-259163-B-11	WRSB214_0.5-3	Moisture	T	2.0559 g	12.3654 g	11.8863 g	11.8863		
440-259163-B-11 DU	WRSB214_0.5-3	Moisture	T	2.0334 g	12.4157 g	11.9289 g	11.9288		
440-259163-B-11 MS	WRSB214_0.5-3	Moisture	T	2.0334 g	12.4157 g	11.9289 g	11.9288		
440-259163-B-11 MSD	WRSB214_0.5-3	Moisture	T	2.0334 g	12.4157 g	11.9289 g	11.9288		
440-259163-B-1	WRSB225_0-0.5	Moisture	T	2.0753 g	12.5816 g	11.6723 g	11.6723		
440-259163-B-2	WRSB225_0.5-3	Moisture	T	2.0571 g	12.2288 g	11.6999 g	11.6998		
440-259163-B-3	WRSB225_3-6	Moisture	T	2.0837 g	12.5939 g	12.1277 g	12.1277		
440-259163-B-4	WRSB225_6-15	Moisture	T	2.0755 g	12.4609 g	11.9646 g	11.9645		
440-259163-B-5	WRSB221_0-0.5	Moisture	T	2.0426 g	12.3830 g	12.0073 g	12.0074		
440-259163-B-7	WRSB221_0.5-3	Moisture	T	2.0726 g	12.1692 g	11.8833 g	11.8832		
440-259163-B-8	WRSB221_3-6	Moisture	T	2.1195 g	12.3993 g	12.0961 g	12.0961		
440-259163-B-9	WRSB221_6-15	Moisture	T	2.0449 g	12.5650 g	12.2673 g	12.2672		
440-259163-B-10	WRSB214_0-0.5	Moisture	T	2.0875 g	12.2151 g	11.8127 g	11.8126		
440-259163-B-12	WRSB214_3-6	Moisture	T	2.0267 g	12.0753 g	11.7067 g	11.7068		
440-259163-B-14	WRSB214_6-15	Moisture	T	2.0644 g	12.6196 g	12.2780 g	12.2781		
440-259163-B-15	WRSB213_0-0.5	Moisture	T	2.0454 g	12.2975 g	11.8358 g	11.8358		
440-259163-B-16	WRSB213_0.5-3	Moisture	T	2.0322 g	12.6362 g	12.1831 g	12.1831		
440-259163-B-17	WRSB213_3-6	Moisture	T	2.0429 g	12.1578 g	11.7610 g	11.7611		
440-259163-B-18	WRSB213_6-15	Moisture	T	2.0519 g	12.6283 g	12.2214 g	12.2213		
440-259163-B-19	WRSB213-FD_6-15	Moisture	T	2.0444 g	12.3173 g	11.9550 g	11.9550		
440-259163-B-20	WRSB216_0-0.5	Moisture	T	2.0563 g	12.2556 g	11.8359 g	11.8358		
440-259163-B-21	WRSB216_0.5-3	Moisture	T	2.0365 g	12.3743 g	11.9889 g	11.9888		
440-259163-B-22	WRSB216_3-6	Moisture	T	2.0329 g	12.4702 g	11.8822 g	11.8822		

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.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: Eurofins Irvine Job No.: 440-259163-1

SDG No.:

Batch Number: 591195 Batch Start Date: 01/17/20 17:27 Batch Analyst: Le, Ha Thanh T

Batch Method: Moisture Batch End Date: 01/20/20 18:15

Batch Notes	
Balance ID	65
Batch Comment	put the samples back in the oven another 30 mins@ temp 105 c
Date and Time Samples in Desiccator	01/18/2020 10:03
Date and Time Samples out of Desiccator	01/20/2020 14:00
Date samples were placed in the oven	01/17/2020
Oven Temp In	105 Degrees C
Time samples were place in the oven	19:00
Date samples were removed from oven	01/18/2020
Oven Temp Out	105 Degrees C
Time Samples were removed from oven	10:00
Oven ID	6
Thermometer ID	p139, cf 0
Temperature - Start - Uncorrected	105 Degrees C
Temperature - End - Uncorrected	105 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.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: Eurofins Irvine Job No.: 440-259163-1

SDG No.:

Batch Number: 591196 Batch Start Date: 01/17/20 17:32 Batch Analyst: Le, Ha Thanh T

Batch Method: Moisture Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	DishWeight	SampleMassWet	SampleMassDry	AnalysisComment		
440-259163-B-23	WRSB216_6-15	Moisture	T	2.0258 g	12.4082 g	11.7873 g	11.7873		
440-259163-B-23 DU	WRSB216_6-15	Moisture	T	2.0490 g	12.1495 g	11.5483 g	11.5483		
440-259163-B-24	WRSB208_136.5-141.5	Moisture	T	2.0713 g	12.1491 g	11.7723 g	11.7722		
440-259163-B-25	WRSB208_146.5-151.5	Moisture	T	2.0595 g	12.4883 g	12.2927 g	12.2927		
440-259163-B-26	WRSB215_0-0.5	Moisture	T	2.0689 g	12.2229 g	11.8774 g	11.8774		
440-259163-B-27	WRSB215_0.5-3	Moisture	T	2.0777 g	12.6359 g	12.2058 g	12.2057		
440-259163-B-28	WRSB215_3-6	Moisture	T	2.0586 g	12.5369 g	12.1115 g	12.1114		
440-259163-B-30	WRSB215_6-15	Moisture	T	2.0619 g	12.2826 g	11.8907 g	11.8908		

Batch Notes	
Balance ID	65
Batch Comment	put the samples back in the oven another 30 mins@ temp 105 c
Date and Time Samples in Desiccator	01/18/2020 10:03
Date and Time Samples out of Desiccator	01/20/2020 14:30
Date samples were placed in the oven	01/17/2020
Oven Temp In	105 Degrees C
Time samples were place in the oven	19:00
Date samples were removed from oven	01/18/2020
Oven Temp Out	105 Degrees C
Time Samples were removed from oven	10:00
Oven ID	6
Thermometer ID	p139, cf 0
Temperature - Start - Uncorrected	105 Degrees C
Temperature - End - Uncorrected	105 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.: 440-259163-1

SDG No.:

Batch Number: 458673 Batch Start Date: 01/30/20 13:26 Batch Analyst: Mazariegos, Leonel A

Batch Method: 3010A Batch End Date: 01/31/20 09:09

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	MPREP1-A 00004	MPREP1-B 00004	MPREP2 00022	
MB 160-458673/1		3010A, 6020A		50 mL	50 mL				
LCS 160-458673/2		3010A, 6020A		50 mL	50 mL	0.25 mL	0.25 mL	0.25 mL	
440-259163-A-6	FB12	3010A, 6020A	T	50 mL	50 mL				
440-259163-A-6 MS	FB12	3010A, 6020A	T	50 mL	50 mL	0.25 mL	0.25 mL	0.25 mL	
440-259163-A-6 MSD	FB12	3010A, 6020A	T	50 mL	50 mL	0.25 mL	0.25 mL	0.25 mL	
440-259163-A-13	EB12	3010A, 6020A	T	50 mL	50 mL				
440-259163-A-29	FB13	3010A, 6020A	T	50 mL	50 mL				

Batch Notes	
Temperature - Corrected - End	B7: 93.8 Degrees C
Temperature - Corrected - Start	E2: 93.7 Degrees C
Digestion End Time	01/31/2020 08:54
Digestion Start Time	01/30/2020 16:57
Digestion Unit ID	HOTBLOCK 4
Hydrochloric Acid ID	1864826
Nitric Acid ID	1854884
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.