LEADVILLE MILL

GROUNDWATER SAMPLING FIELD DATA FORM

Leadville Mill			**LOCATION: Leadville, Colorado**				
WELL NAME: BMW-1			**GPS:** Lat: 39.24549 Long: -106.30721 Elev: 9996.7 TOC				
Sampled By: RDS				**Date Purged:** 9/30/2024			
Weather During Sampling: Clear, Calm, ≈50° F				**Date Sampled:** 9/30/2024			
Well Diameter (ID): 2”				**Time Sampled:** 10:00			
EVACUATION DATA							
Description of Measuring Point: Top of Steel Casing				**Method of Water Disposal:** Ground			
Depth of Well from Measuring Point (ft): 1244’							
Depth to Water from Measuring Point (ft): 20.91’							
Single Tubing + Pump Volume (Purge before 1st Param): 1.32 L							
Volume Purged Prior to Sampling (gallons): ≈5.5 L							
Method of Purging/Equipment: 12V Pump, 7.8V				**Flow Rate:** ≈280-480 mL/min			
Method of Sampling/Equipment: 12V Pump, 7.8V				**Flow Rate:** ≈280-480 mL/min			
Field Parameters (Measure every 3-5 Minutes) Start Time:							
Time	9:26	9:29	9:32	9:35	9:38	9:41	9:44
pH (pH)	9.01	9.04	9.13	9.21	9.23	9.24	9.24
Temperature (°C)	9.05	9.75	9.8	9.77	10.03	9.98	9.65
Conductance (µs/cm)	179	180	18.	180	181	183	184
ORP (mv)	-342.6	-184.6	-179.1	-196.0	-204.9	-210.8	-205.8
Turbidity (FNU)	1.8	2.3	2.4	2.7	2.7	3.0	3.3
Drawdown (ft)	20.92	20.93	NM	NM	NM	20.38	20.32
Color of Groundwater	Clear						
Groundwater Odor	Light Sulfur						
Groundwater Appearance	Clean						
Well Condition:	Good						

NOTES: Sampling Order: BMW-1, PZ-4 → MA1TMW-04 → LM-MW-3 → MW-13, MW-13A → LM-MW-2
Required Stabilization Criteria: Temp: ±1°C, pH: ±0.2 pH units, Cond: ± 10%, Three Consecutive
Low Flow Wells Only: Drawdown < 0.3 ft
Recommended Low Flow Stabilization Criteria: Turbidity: ±10%, ORP: ±10 mv, Three Consecutive

LEADVILLE MILL

GROUNDWATER SAMPLING FIELD DATA FORM

Leadville Mill	**LOCATION: Leadville, Colorado**
WELL NAME: PZ-4	**GPS:** Lat: 39.24546 Long: -106.30716 Elev: 9998.0 TOC
Sampled By: RDS	**Date Purged:** 9/30/2024
Weather During Sampling: Clear, Calm, ≈55° F	**Date Sampled:** 9/30/2024
Well Diameter (ID): 2”	**Time Sampled:** 11:00
EVACUATION DATA	
Description of Measuring Point: Top of Steel Casing	**Method of Water Disposal:** Ground
Depth of Well from Measuring Point (ft): 137’	
Depth to Water from Measuring Point (ft): 100.02	
Single Tubing + Pump Volume (Purge before 1st Param): 4.82 L	
Volume Purged Prior to Sampling (gallons): 10 L	
Method of Purging/Equipment: 12V Pump, 18V	**Flow Rate:** ≈500 mL/min
Method of Sampling/Equipment: 12V Pump, 18V	**Flow Rate:** ≈500 mL/min

Field Parameters (Measure every 3-5 Minutes) Start Time: 8:27

Time	10:39	10:42	10:45	10:48	10:51	
pH (pH)	7.33	7.86	8.04	8.00	7.98	
Temperature (°C)	10.03	10.06	9.79	9.89	9.92	
Conductance (µs/cm)	553	556	557	559	560	
ORP (mv)	-31.9	-29.1	-28.6	-26.1	-25.3	
Turbidity (FNU)	2.3	2.6	4.1	3.1	3.3	
Drawdown (ft)	100.08	NM	NM	NM	100.04	
Color of Groundwater	Clear					
Groundwater Odor	None					
Groundwater Appearance	Clean					
Well Condition:	Good					

NOTES: Sampling Order: BMW-1, PZ-4 → MA1TMW-04 → LM-MW-3 → MW-13, MW-13A → LM-MW-2
Required Stabilization Criteria: Temp: ±1°C, pH: ±0.2 pH units, Cond: ± 10%, Three Consecutive
Low Flow Wells Only: Drawdown < 0.3 ft
Recommended Low Flow Stabilization Criteria: Turbidity: ±10%, ORP: ±10 mv, Three Consecutive

LEADVILLE MILL

GROUNDWATER SAMPLING FIELD DATA FORM

Leadville Mill	**LOCATION: Leadville, Colorado**
WELL NAME: MA1TMW-4	**GPS:** Lat: 39.23606 Long: -106.33153 Elev: 9796.0 TOC
Sampled By: RDS	**Date Purged:** 9/30/2024
Weather During Sampling: Clear, Calm, ≈50° F	**Date Sampled:** 9/30/2024
Well Diameter (ID): 4”	**Time Sampled:** 17:30

EVACUATION DATA

Description of Measuring Point: Top of Steel Casing	**Method of Water Disposal:** Ground
Depth of Well from Measuring Point (ft): 85’	
Depth to Water from Measuring Point (ft): 77.27’	
Single Tubing + Pump Volume (Purge before 1st Param): 3.12 L	
Volume Purged Prior to Sampling (liters): 22 L	
Method of Purging/Equipment: 12V Pump, 56%	**Flow Rate:** ≈500 mL/min
Method of Sampling/Equipment: 12V Pump, 56%	**Flow Rate:** ≈500 mL/min

Field Parameters (Measure every 3-5 Minutes) Start Time: 9:21

Time	17:13	17:16	17:19	17:22				
pH (pH)	7.83	7.75	7.52	7.49				
Temperature (°C)	7.57	7.51	7.54	7.58				
Conductance (µs/cm)	522	522	522	522				
ORP (mv)	10.2	9.6	9.6	9.6				
Turbidity (FNU)	2.6	2.5	2.8	2.8				
Drawdown (ft)	77.35	77.36	NM	NM				
Color of Groundwater	Clear							
Groundwater Odor	None							
Groundwater Appearance	Clean							
Well Condition:	Good							

NOTES: Sampling Order: BMW-1, PZ-4 → MA1TMW-04 → LM-MW-3 → MW-13, MW-13A → LM-MW-2
Required Stabilization Criteria: Temp: ±1°C, pH: ±0.2 pH units, Cond: ± 10%, Three Consecutive
Low Flow Wells Only: Drawdown < 0.3 ft
Recommended Low Flow Stabilization Criteria: Turbidity: ±10%, ORP: ±10 mv, Three Consecutive

LEADVILLE MILL

GROUNDWATER SAMPLING FIELD DATA FORM

Leadville Mill			**LOCATION: Leadville, Colorado**			
WELL NAME: LM-MW-3			**GPS:** Lat: 39.23045 Long: -106.33145 Elev: 9744.0 TOC			
Sampled By: RDS				**Date Purged:** 9/30/2024		
Weather During Sampling: Clear, Calm, ≈55° F				**Date Sampled:** 9/30/2024		
Well Diameter (ID): 4”				**Time Sampled:** 12:15		
EVACUATION DATA						
Description of Measuring Point: Top of Steel Casing				**Method of Water Disposal:** Ground		
Depth of Well from Measuring Point (ft): 66’						
Depth to Water from Measuring Point (ft): 61.08’						
Single Tubing + Pump Volume (Purge before 1st Param): 1.4 L						
Volume Purged Prior to Sampling (gallons): 1.7 L						
Method of Purging/Equipment: 12V Pump, 13.5V				**Flow Rate:** ≈ 150 mL/min		
Method of Sampling/Equipment: 12V Pump, 13.5V				**Flow Rate:** ≈ 150 mL/min		
Field Parameters (Measure every 3-5 Minutes) Start Time: 11:38						
Time	11:49	11:52	11:55	11:58	12.02	
pH (pH)	7.03	6.99	6.94	6.91	6.89	
Temperature (°C)	10.67	9.63	9.42	8.84	9.36	
Conductance (µs/cm)	789	781	773	774	774	
ORP (mv)	-22.3	-20.0	-17.9	-13.9	-12.7	
Turbidity (FNU)	9.0	20.0	26.2	31.5	29.2	
Drawdown (ft)	61.80	NM	61.77	NM	NM	
Color of Groundwater	Clear					
Groundwater Odor	None					
Groundwater Appearance	Clean					
Well Condition:	Good					

NOTES: Sampling Order: BMW-1, PZ-4 → MA1TMW-04 → LM-MW-3 → MW-13, MW-13A → LM-MW-2
Required Stabilization Criteria: Temp: ±1°C, pH: ±0.2 pH units, Cond: ± 10%, Three Consecutive
Low Flow Wells Only: Drawdown < 0.3 ft
Recommended Low Flow Stabilization Criteria: Turbidity: ±10%, ORP: ±10 mv, Three Consecutive

LEADVILLE MILL

GROUNDWATER SAMPLING FIELD DATA FORM

Leadville Mill	**LOCATION: Leadville, Colorado**
WELL NAME: MW-13	**GPS:** Lat: 39.22636 Long: -106.34207 Elev: 9620.5 TOC
Sampled By: RDS	**Date Purged:** 9/30/2024
Weather During Sampling: Clear, Calm, ≈ 60° F	**Date Sampled:** 9/30/2024
Well Diameter (ID): 2”	**Time Sampled:** 13:30

EVACUATION DATA

Description of Measuring Point: Top of Steel Casing	**Method of Water Disposal:** Ground
Depth of Well from Measuring Point (ft): 100’	
Depth to Water from Measuring Point (ft): 24.77’	
Single Tubing + Pump Volume (Purge before 1st Param): 1.32 L	
Volume Purged Prior to Sampling (gallons): 11 L	
Method of Purging/Equipment: 12V Pump, 8.2/8.3V	**Flow Rate:** ≈ 300 mL/min
Method of Sampling/Equipment: 12V Pump, 8.2/8.3V	**Flow Rate:** ≈ 300 mL/min

Field Parameters (Measure every 3-5 Minutes) Start Time:

Time	13:01	13:04	13:07	13:10	13:13	13:16	13:19	13:22	13:25
pH (pH)	6.92	6.90	6.90	6.91	9.90	6.91	7.08	7.57	7.74
Temperature (°C)	9.57	11.27	9.69	10.75	11.07	8.70	8.11	8.43	8.61
Conductance (µs/cm)	954	946	947	954	957	941	946	936	945
ORP (mv)	6.5	5.7	8.4	8.3	8.8	12.9	14.8	14.4	15.9
Turbidity (FNU)	3.0	3.3	3.2	3.6	3.6	4.3	1.2	1.4	1.9
Drawdown (ft)	25.41	25.37	25.27	NM	NM	NM	25.46	NM	NM
Color of Groundwater	Clear								
Groundwater Odor	None								
Groundwater Appearance	Clean								
Well Condition:	Good								

NOTES: Sampling Order: BMW-1, PZ-4 → MA1TMW-04 → LM-MW-3 → MW-13, MW-13A → LM-MW-2
Required Stabilization Criteria: Temp: ±1°C, pH: ±0.2 pH units, Cond: ± 10%, Three Consecutive
Low Flow Wells Only: Drawdown < 0.3 ft
Recommended Low Flow Stabilization Criteria: Turbidity: ±10%, ORP: ±10 mv, Three Consecutive

LEADVILLE MILL

GROUNDWATER SAMPLING FIELD DATA FORM

Leadville Mill	**LOCATION: Leadville, Colorado**
WELL NAME: MW-13A	**GPS:** Lat: 39.22630 Long: -106.34215 Elev: 9621.2 TOC
Sampled By: RDS	**Date Purged:** 9/30/2024
Weather During Sampling: Clear, Calm, ≈ 55° F	**Date Sampled:** 9/30/2024
Well Diameter (ID): 2”	**Time Sampled:** 14:30

EVACUATION DATA

Description of Measuring Point: Top of Steel Casing	**Method of Water Disposal:** Ground
Depth of Well From Measuring Point (ft): 25’	
Depth to Water from Measuring Point (ft): 20.57’	
Single Tubing + Pump Volume (Purge before 1st Param): 1.24 L	
Volume Purged Prior to Sampling (gallons): ≈ 17 L	
Method of Purging/Equipment: 12V Pump, 29.2%	**Flow Rate:** ≈ 200 mL/min
Method of Sampling/Equipment: 12V Pump, 29.2%	**Flow Rate:** ≈ 200 mL/min

Field Parameters (Measure every 3-5 Minutes) Start Time:

Time	13:54	13:59	14:02	14:05	14:29	14:32	14:35
pH (pH)	4.90	4.96	4.97	4.97	4.98	4.98	4.98
Temperature (°C)	6.09	8.01	8.18	8.14	8.77	8.60	8.56
Conductance (µs/cm)	1047	1049	1049	1051	1076	1078	1077
ORP (mv)	193.5	170.5	154.1	152.7	58.3	57.7	55.3
Turbidity (FNU)	1.4	1.6	1.7	3.0	1.0	1.0	1.0
Drawdown (ft)	20.78	20.76	NM	20.75	20.68	NM	20.68
Color of Groundwater	Clear						
Groundwater Odor	None						
Groundwater Appearance	Clean						
Well Condition:	Good						

NOTES: Sampling Order: BMW-1, PZ-4 → MA1TMW-04 → LM-MW-3 → MW-13, MW-13A → LM-MW-2
Required Stabilization Criteria: Temp: ±1°C, pH: ±0.2 pH units, Cond: ± 10%, Three Consecutive
Low Flow Wells Only: Drawdown < 0.3 ft
Recommended Low Flow Stabilization Criteria: Turbidity: ±10%, ORP: ±10 mv, Three Consecutive

LEADVILLE MILL

GROUNDWATER SAMPLING FIELD DATA FORM

Leadville Mill	**LOCATION: Leadville, Colorado**
WELL NAME: LM-MW-2	**GPS:** Lat: 39.22897 Long: -106.33358 Elev: 9701.0 TOC
Sampled By: RDS	**Date Purged:** 9/30/2024
Weather During Sampling: Clear, Calm, ≈ 50° F	**Date Sampled:** 9/30/2024
Well Diameter (ID): 4”	**Time Sampled:** 18:30

EVACUATION DATA

Description of Measuring Point: Top of Steel Casing	**Method of Water Disposal:** Ground
Depth of Well from Measuring Point (ft): 53’	
Depth to Water from Measuring Point (ft): 48.66’	
Single Tubing + Pump Volume (Purge before 1st Param): 1.32 L	
Volume Purged Prior to Sampling (gallons): ≈ 4.5 L	
Method of Purging/Equipment: 12V Pump,	**Flow Rate:** ≈ 300 mL/min
Method of Sampling/Equipment: 12V Pump	**Flow Rate:** ≈ 300 mL/min

Field Parameters (Measure every 3-5 Minutes) Start Time:

Time	18:00	18:04	18:07	18:10	18:13		
pH (pH)	6.84	6.65	6.64	6.62	6.62		
Temperature (°C)	8.83	7.88	7.91	7.86	7.60		
Conductance (µs/cm)	1220	1219	1214	1186	1150		
ORP (mv)	9.6	9.6	9.6	1.2	8.4		
Turbidity (FNU)	270	430	370	280	200		
Drawdown (ft)	48.80	NM	NM	NM	49.01		
Color of Groundwater	Orange						
Groundwater Odor	None						
Groundwater Appearance	Orange Silt/Stain						
Well Condition:	Good						

NOTES: Sampling Order: BMW-1, PZ-4 → MA1TMW-04 → LM-MW-3 → MW-13, MW-13A → LM-MW-2
Required Stabilization Criteria: Temp: ±1°C, pH: ±0.2 pH units, Cond: ± 10%, Three Consecutive
Low Flow Wells Only: Drawdown < 0.3 ft
Recommended Low Flow Stabilization Criteria: Turbidity: ±10%, ORP: ±10 mv, Three Consecutive

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Nick Michael
Union Milling Company
PO BOX 620490
Littleton, Colorado 80162

Generated 10/29/2024 2:53:55 PM

JOB DESCRIPTION

Leadville Mill, CO

JOB NUMBER

280-197342-1

Eurofins Denver
4955 Yarrow Street
Arvada CO 80002

See page two for job notes and contact information.

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins TestAmerica Project Manager.

Authorization

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Authorized for release by
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Table of Contents

Definitions/Glossary

Client: Union Milling Company
Project/Site: Leadville Mill, CO

Job ID: 280-197342-1

Qualifiers

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
F1	MS and/or MSD recovery 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
CFU	Colony Forming Unit
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)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
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)
TNTC	Too Numerous To Count

Job Narrative
280-197342-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 10/1/2024 10:01 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 0.2°C, 0.2°C and 1.0°C.

Receipt Exceptions
The sample collection time was not recorded on the two 250 mL Plastic unpreserved sample containers received for the following sample: PZ-4 (280-197342-2). Logged per the COC.

Method 6010D - Metals (ICP) - Dissolved
Samples BMW-1 (280-197342-1), PZ-4 (280-197342-2), LM-MW-3 (280-197342-3), MW-13 (280-197342-4), MW-13A (280-197342-5), MA1TMW-4 (280-197342-6) and LM-MW-2 (280-197342-7) were analyzed for Metals (ICP) - Dissolved. The samples were prepared on 10/3/2024 and analyzed on 10/4/2024 and 10/7/2024.

Method 6020B - Metals (ICP/MS) - Dissolved
Samples BMW-1 (280-197342-1), PZ-4 (280-197342-2), LM-MW-3 (280-197342-3), MW-13 (280-197342-4), MW-13A (280-197342-5), MA1TMW-4 (280-197342-6) and LM-MW-2 (280-197342-7) were analyzed for Metals (ICP/MS) - Dissolved. The samples were prepared on 10/3/2024 and 10/16/2024 and analyzed on 10/4/2024, 10/8/2024 and 10/17/2024.

Sample MW-13A (280-197342-5)[10x] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

Method 7470A - Mercury (CVAA) - Dissolved
Samples BMW-1 (280-197342-1), PZ-4 (280-197342-2), LM-MW-3 (280-197342-3), MW-13 (280-197342-4), MW-13A (280-197342-5), MA1TMW-4 (280-197342-6) and LM-MW-2 (280-197342-7) were analyzed for Mercury (CVAA) - Dissolved. The samples were prepared on 10/8/2024 and analyzed on 10/8/2024 and 10/9/2024.

Method OIA-1677 - Cyanide, Free (Flow Injection)
Samples BMW-1 (280-197342-1), PZ-4 (280-197342-2), LM-MW-3 (280-197342-3), MW-13 (280-197342-4), MW-13A (280-197342-5), MA1TMW-4 (280-197342-6) and LM-MW-2 (280-197342-7) were analyzed for Cyanide, Free (Flow Injection). The samples were analyzed on 10/7/2024.

The following sample was found to contain residual chlorine: MW-13A (280-197342-5).

Method SM 2540C - Solids, Total Dissolved (TDS)
Samples BMW-1 (280-197342-1), PZ-4 (280-197342-2), LM-MW-3 (280-197342-3), MW-13 (280-197342-4), MW-13A (280-197342-5), MA1TMW-4 (280-197342-6) and LM-MW-2 (280-197342-7) were analyzed for Solids, Total Dissolved (TDS). The samples were analyzed on 10/2/2024.

Method 300.0 - Anions, Ion Chromatography - Dissolved
Samples BMW-1 (280-197342-1), PZ-4 (280-197342-2), LM-MW-3 (280-197342-3), MW-13 (280-197342-4), MW-13A (280-197342-5), MA1TMW-4 (280-197342-6) and LM-MW-2 (280-197342-7) were analyzed for Anions, Ion Chromatography - Dissolved. The samples were analyzed on 10/1/2024, 10/5/2024 and 10/7/2024.

Samples LM-MW-3 (280-197342-3)[5x], MW-13 (280-197342-4)[5x], MW-13A (280-197342-5)[5x] and LM-MW-2 (280-197342-7)[5x] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

Job ID: 280-197342-1 (Continued) Eurofins Denver

The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 280-669859 and analytical batch 280-669293 were outside control limits for Fluoride . See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits. The associated samples are: (280-197342-H-5-C MS) and (280-197342-H-5-D MSD).

Method 300.0 - Anions, Ion Chromatography
Samples BMW-1 (280-197342-1), PZ-4 (280-197342-2), LM-MW-3 (280-197342-3), MW-13 (280-197342-4), MW-13A (280-197342-5), MA1TMW-4 (280-197342-6) and LM-MW-2 (280-197342-7) were analyzed for Anions, Ion Chromatography. The samples were analyzed on 10/1/2024.

Method 353.2 - Nitrogen, Nitrate-Nitrite
Samples BMW-1 (280-197342-1), PZ-4 (280-197342-2), LM-MW-3 (280-197342-3), MW-13 (280-197342-4), MW-13A (280-197342-5), MA1TMW-4 (280-197342-6) and LM-MW-2 (280-197342-7) were analyzed for Nitrogen, Nitrate-Nitrite. The samples were analyzed on 10/2/2024.

Sample LM-MW-3 (280-197342-3)[2x] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

Detection Summary

Client: Union Milling Company
Project/Site: Leadville Mill, CO

Job ID: 280-197342-1

Client Sample ID: BMW-1 — Lab Sample ID: 280-197342-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	19	J	100	18	ug/L	1		6010D	Dissolved
Boron	25	J	100	1.5	ug/L	1		6010D	Dissolved
Iron	18	J	100	9.1	ug/L	1		6010D	Dissolved
Lithium	14	J	20	9.1	ug/L	1		6010D	Dissolved
Arsenic	1.0	J	5.0	0.50	ug/L	1		6020B	Dissolved
Barium	130		3.0	0.38	ug/L	1		6020B	Dissolved
Manganese	1.6	J	3.0	0.51	ug/L	1		6020B	Dissolved
Molybdenum	4.0		2.0	0.37	ug/L	1		6020B	Dissolved
Cyanide, Free	0.011		0.0060	0.0050	mg/L	1		OIA-1677	Total/NA
Total Dissolved Solids (TDS)	130		10	4.7	mg/L	1		SM 2540C	Total/NA
Fluoride	0.24	J	0.50	0.17	mg/L	1		300.0	Dissolved
Sulfate	16		5.0	1.0	mg/L	1		300.0	Dissolved

Client Sample ID: PZ-4 — Lab Sample ID: 280-197342-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Boron	9.6	J	100	1.5	ug/L	1		6010D	Dissolved
Iron	32	J	100	9.1	ug/L	1		6010D	Dissolved
Barium	290		3.0	0.38	ug/L	1		6020B	Dissolved
Manganese	2.3	J	3.0	0.51	ug/L	1		6020B	Dissolved
Uranium	14		1.0	0.030	ug/L	1		6020B	Dissolved
Nitrate as N	3.6		0.50	0.090	mg/L	1		300.0	Total/NA
Nitrate Nitrite as N	3.9		0.10	0.044	mg/L	1		353.2	Total/NA
Total Dissolved Solids (TDS)	390		10	4.7	mg/L	1		SM 2540C	Total/NA
Chloride	31		3.0	1.0	mg/L	1		300.0	Dissolved
Sulfate	93		5.0	1.0	mg/L	1		300.0	Dissolved

Client Sample ID: LM-MW-3 — Lab Sample ID: 280-197342-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Boron	35	J	100	1.5	ug/L	1		6010D	Dissolved
Iron	15	J	100	9.1	ug/L	1		6010D	Dissolved
Barium	25		3.0	0.38	ug/L	1		6020B	Dissolved
Copper	2.4		2.0	0.71	ug/L	1		6020B	Dissolved
Manganese	15		3.0	0.51	ug/L	1		6020B	Dissolved
Nickel	1.2	J	3.0	0.83	ug/L	1		6020B	Dissolved
Selenium	1.2	J	5.0	1.0	ug/L	1		6020B	Dissolved
Uranium	9.3		1.0	0.030	ug/L	1		6020B	Dissolved
Zinc	120		10	2.0	ug/L	1		6020B	Dissolved
Nitrate as N	7.4		0.50	0.090	mg/L	1		300.0	Total/NA
Nitrate Nitrite as N	7.3		0.20	0.088	mg/L	2		353.2	Total/NA
Total Dissolved Solids (TDS)	600		10	4.7	mg/L	1		SM 2540C	Total/NA
Chloride	22		3.0	1.0	mg/L	1		300.0	Dissolved
Sulfate	210		25	5.2	mg/L	5		300.0	Dissolved

Client Sample ID: MW-13 — Lab Sample ID: 280-197342-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Boron	4.9	J	100	1.5	ug/L	1		6010D	Dissolved
Iron	19	J	100	9.1	ug/L	1		6010D	Dissolved
Barium	22		3.0	0.38	ug/L	1		6020B	Dissolved
Cobalt	4.0		1.0	0.33	ug/L	1		6020B	Dissolved

This Detection Summary does not include radiochemical test results.

Eurofins Denver

Client Sample ID: MW-13 (Continued) — Lab Sample ID: 280-197342-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chromium	2.0	J	3.0	0.50	ug/L	1		6020B	Dissolved
Manganese	8.6		3.0	0.51	ug/L	1		6020B	Dissolved
Nickel	7.6		3.0	0.83	ug/L	1		6020B	Dissolved
Selenium	6.7		5.0	1.0	ug/L	1		6020B	Dissolved
Uranium	11		1.0	0.030	ug/L	1		6020B	Dissolved
Zinc	4.6	J	10	2.0	ug/L	1		6020B	Dissolved
Nitrate as N	4.6		0.50	0.090	mg/L	1		300.0	Total/NA
Nitrate Nitrite as N	4.9		0.10	0.044	mg/L	1		353.2	Total/NA
Total Dissolved Solids (TDS)	780		10	4.7	mg/L	1		SM 2540C	Total/NA
Chloride	17		3.0	1.0	mg/L	1		300.0	Dissolved
Fluoride	0.28	J	0.50	0.17	mg/L	1		300.0	Dissolved
Sulfate	420		25	5.2	mg/L	5		300.0	Dissolved

Client Sample ID: MW-13A — Lab Sample ID: 280-197342-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	510		100	18	ug/L	1		6010D	Dissolved
Boron	53	J	100	1.5	ug/L	1		6010D	Dissolved
Lithium	21		20	9.1	ug/L	1		6010D	Dissolved
Silver	0.16	J	1.0	0.045	ug/L	1		6020B	Dissolved
Barium	9.9		3.0	0.38	ug/L	1		6020B	Dissolved
Beryllium	1.2		1.0	0.30	ug/L	1		6020B	Dissolved
Cadmium	270		1.0	0.19	ug/L	1		6020B	Dissolved
Cobalt	2.0		1.0	0.33	ug/L	1		6020B	Dissolved
Chromium	0.67	J	3.0	0.50	ug/L	1		6020B	Dissolved
Copper	170		2.0	0.71	ug/L	1		6020B	Dissolved
Manganese	8900		3.0	0.51	ug/L	1		6020B	Dissolved
Nickel	63		3.0	0.83	ug/L	1		6020B	Dissolved
Lead	0.61	J	1.0	0.23	ug/L	1		6020B	Dissolved
Uranium	0.17	J	1.0	0.030	ug/L	1		6020B	Dissolved
Zinc	37000		100	20	ug/L	10		6020B	Dissolved
Nitrate as N	3.3		0.50	0.090	mg/L	1		300.0	Total/NA
Nitrate Nitrite as N	3.6		0.10	0.044	mg/L	1		353.2	Total/NA
Total Dissolved Solids (TDS)	970		10	4.7	mg/L	1		SM 2540C	Total/NA
Chloride	14		3.0	1.0	mg/L	1		300.0	Dissolved
Fluoride	1.0	F1	0.50	0.17	mg/L	1		300.0	Dissolved
Sulfate	450		25	5.2	mg/L	5		300.0	Dissolved

Client Sample ID: MA1TMW-4 — Lab Sample ID: 280-197342-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Boron	74	J	100	1.5	ug/L	1		6010D	Dissolved
Iron	15	J	100	9.1	ug/L	1		6010D	Dissolved
Barium	29		3.0	0.38	ug/L	1		6020B	Dissolved
Cadmium	0.23	J	1.0	0.19	ug/L	1		6020B	Dissolved
Cobalt	0.87	J	1.0	0.33	ug/L	1		6020B	Dissolved
Manganese	2.2	J	3.0	0.51	ug/L	1		6020B	Dissolved
Uranium	3.4		1.0	0.030	ug/L	1		6020B	Dissolved
Zinc	3.0	J	10	2.0	ug/L	1		6020B	Dissolved
Nitrate as N	3.0		0.50	0.090	mg/L	1		300.0	Total/NA
Nitrate Nitrite as N	3.3		0.10	0.044	mg/L	1		353.2	Total/NA
Total Dissolved Solids (TDS)	370		10	4.7	mg/L	1		SM 2540C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: MA1TMW-4 (Continued) — Lab Sample ID: 280-197342-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	22		3.0	1.0	mg/L	1		300.0	Dissolved
Sulfate	140		5.0	1.0	mg/L	1		300.0	Dissolved

Client Sample ID: LM-MW-2 — Lab Sample ID: 280-197342-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Boron	73	J	100	1.5	ug/L	1		6010D	Dissolved
Iron	830		100	9.1	ug/L	1		6010D	Dissolved
Barium	24		3.0	0.38	ug/L	1		6020B	Dissolved
Cadmium	0.21	J	1.0	0.19	ug/L	1		6020B	Dissolved
Manganese	140		3.0	0.51	ug/L	1		6020B	Dissolved
Selenium	3.0	J	5.0	1.0	ug/L	1		6020B	Dissolved
Uranium	1.0		1.0	0.030	ug/L	1		6020B	Dissolved
Nitrate as N	0.72		0.50	0.090	mg/L	1		300.0	Total/NA
Nitrate Nitrite as N	0.054	J	0.10	0.044	mg/L	1		353.2	Total/NA
Total Dissolved Solids (TDS)	1100		20	9.4	mg/L	1		SM 2540C	Total/NA
Chloride	22		3.0	1.0	mg/L	1		300.0	Dissolved
Sulfate	530		25	5.2	mg/L	5		300.0	Dissolved

This Detection Summary does not include radiochemical test results.

Method Summary

Client: Union Milling Company
Project/Site: Leadville Mill, CO

Job ID: 280-197342-1

Method	Method Description	Protocol	Laboratory
6010D	Metals (ICP)	SW846	EET DEN
6020B	Metals (ICP/MS)	SW846	EET DEN
7470A	Mercury (CVAA)	SW846	EET DEN
300.0	Anions, Ion Chromatography	EPA	EET DEN
353.2	Nitrogen, Nitrate-Nitrite	EPA	EET DEN
OIA-1677	Cyanide, Free (Flow Injection)	OI CORP	ELLE
SM 2540C	Solids, Total Dissolved (TDS)	SM	EET DEN
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET DEN
7470A	Preparation, Mercury	SW846	EET DEN
FILTRATION	Sample Filtration	None	EET DEN

Protocol References:

EPA = US Environmental Protection Agency
None = None
OI CORP = OI Corporation Instrument Manual.
SM = "Standard Methods For The Examination Of Water And Wastewater"
SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET DEN = Eurofins Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100
ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Sample Summary

Client: Union Milling Company
Project/Site: Leadville Mill, CO

Job ID: 280-197342-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
280-197342-1	BMW-1	Water	09/30/24 10:00	10/01/24 10:01
280-197342-2	PZ-4	Water	09/30/24 11:00	10/01/24 10:01
280-197342-3	LM-MW-3	Water	09/30/24 12:15	10/01/24 10:01
280-197342-4	MW-13	Water	09/30/24 13:30	10/01/24 10:01
280-197342-5	MW-13A	Water	09/30/24 14:30	10/01/24 10:01
280-197342-6	MA1TMW-4	Water	09/30/24 17:30	10/01/24 10:01
280-197342-7	LM-MW-2	Water	09/30/24 18:30	10/01/24 10:01

Method: SW846 6010D - Metals (ICP) - Dissolved

Client Sample ID: BMW-1
Date Collected: 09/30/24 10:00
Date Received: 10/01/24 10:01

Lab Sample ID: 280-197342-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**19**	**J**	100	18	ug/L		10/03/24 14:55	10/07/24 22:13	1
Boron	**25**	**J**	100	1.5	ug/L		10/03/24 14:55	10/04/24 20:51	1
Iron	**18**	**J**	100	9.1	ug/L		10/03/24 14:55	10/04/24 20:51	1
Lithium	**14**	**J**	20	9.1	ug/L		10/03/24 14:55	10/04/24 20:51	1

Client Sample ID: PZ-4
Date Collected: 09/30/24 11:00
Date Received: 10/01/24 10:01

Lab Sample ID: 280-197342-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		100	18	ug/L		10/03/24 14:55	10/07/24 22:17	1
Boron	**9.6**	**J**	100	1.5	ug/L		10/03/24 14:55	10/04/24 20:56	1
Iron	**32**	**J**	100	9.1	ug/L		10/03/24 14:55	10/04/24 20:56	1
Lithium	ND		20	9.1	ug/L		10/03/24 14:55	10/04/24 20:56	1

Client Sample ID: LM-MW-3
Date Collected: 09/30/24 12:15
Date Received: 10/01/24 10:01

Lab Sample ID: 280-197342-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		100	18	ug/L		10/03/24 14:55	10/07/24 22:21	1
Boron	**35**	**J**	100	1.5	ug/L		10/03/24 14:55	10/04/24 21:00	1
Iron	**15**	**J**	100	9.1	ug/L		10/03/24 14:55	10/04/24 21:00	1
Lithium	ND		20	9.1	ug/L		10/03/24 14:55	10/04/24 21:00	1

Client Sample ID: MW-13
Date Collected: 09/30/24 13:30
Date Received: 10/01/24 10:01

Lab Sample ID: 280-197342-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		100	18	ug/L		10/03/24 14:55	10/07/24 22:25	1
Boron	**4.9**	**J**	100	1.5	ug/L		10/03/24 14:55	10/04/24 21:04	1
Iron	**19**	**J**	100	9.1	ug/L		10/03/24 14:55	10/04/24 21:04	1
Lithium	ND		20	9.1	ug/L		10/03/24 14:55	10/04/24 21:04	1

Client Sample ID: MW-13A
Date Collected: 09/30/24 14:30
Date Received: 10/01/24 10:01

Lab Sample ID: 280-197342-5
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**510**		100	18	ug/L		10/03/24 14:55	10/07/24 22:28	1
Boron	**53**	**J**	100	1.5	ug/L		10/03/24 14:55	10/04/24 21:08	1
Iron	ND		100	9.1	ug/L		10/03/24 14:55	10/04/24 21:08	1
Lithium	**21**		20	9.1	ug/L		10/03/24 14:55	10/04/24 21:08	1

Client Sample ID: MA1TMW-4
Date Collected: 09/30/24 17:30
Date Received: 10/01/24 10:01

Lab Sample ID: 280-197342-6
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		100	18	ug/L		10/03/24 14:55	10/07/24 22:32	1
Boron	**74**	**J**	100	1.5	ug/L		10/03/24 14:55	10/04/24 21:12	1
Iron	**15**	**J**	100	9.1	ug/L		10/03/24 14:55	10/04/24 21:12	1
Lithium	ND		20	9.1	ug/L		10/03/24 14:55	10/04/24 21:12	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Client Sample ID: LM-MW-2
Date Collected: 09/30/24 18:30
Date Received: 10/01/24 10:01

Lab Sample ID: 280-197342-7
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		100	18	ug/L		10/03/24 14:55	10/07/24 22:36	1
Boron	**73**	**J**	100	1.5	ug/L		10/03/24 14:55	10/04/24 21:16	1
Iron	**830**		100	9.1	ug/L		10/03/24 14:55	10/04/24 21:16	1
Lithium	ND		20	9.1	ug/L		10/03/24 14:55	10/04/24 21:16	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Client Sample ID: BMW-1
Date Collected: 09/30/24 10:00
Date Received: 10/01/24 10:01

Lab Sample ID: 280-197342-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		1.0	0.045	ug/L		10/03/24 14:55	10/08/24 17:59	1
Arsenic	**1.0**	**J**	5.0	0.50	ug/L		10/03/24 14:55	10/08/24 17:59	1
Barium	**130**		3.0	0.38	ug/L		10/03/24 14:55	10/08/24 17:59	1
Beryllium	ND		1.0	0.30	ug/L		10/03/24 14:55	10/04/24 19:57	1
Cadmium	ND		1.0	0.19	ug/L		10/03/24 14:55	10/08/24 17:59	1
Cobalt	ND		1.0	0.33	ug/L		10/03/24 14:55	10/08/24 17:59	1
Chromium	ND		3.0	0.50	ug/L		10/03/24 14:55	10/08/24 17:59	1
Copper	ND		2.0	0.71	ug/L		10/03/24 14:55	10/08/24 17:59	1
Manganese	**1.6**	**J**	3.0	0.51	ug/L		10/03/24 14:55	10/08/24 17:59	1
Molybdenum	**4.0**		2.0	0.37	ug/L		10/03/24 14:55	10/08/24 17:59	1
Nickel	ND		3.0	0.83	ug/L		10/16/24 14:56	10/17/24 08:15	1
Lead	ND		1.0	0.23	ug/L		10/03/24 14:55	10/08/24 17:59	1
Antimony	ND		2.0	0.40	ug/L		10/03/24 14:55	10/04/24 19:57	1
Selenium	ND		5.0	1.0	ug/L		10/03/24 14:55	10/08/24 17:59	1
Thallium	ND		1.0	0.21	ug/L		10/03/24 14:55	10/08/24 17:59	1
Uranium	ND		1.0	0.030	ug/L		10/03/24 14:55	10/08/24 17:59	1
Vanadium	ND		5.0	1.1	ug/L		10/03/24 14:55	10/08/24 17:59	1
Zinc	ND		10	2.0	ug/L		10/16/24 14:56	10/17/24 08:15	1

Client Sample ID: PZ-4
Date Collected: 09/30/24 11:00
Date Received: 10/01/24 10:01

Lab Sample ID: 280-197342-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		1.0	0.045	ug/L		10/03/24 14:55	10/08/24 18:01	1
Arsenic	ND		5.0	0.50	ug/L		10/03/24 14:55	10/08/24 18:01	1
Barium	**290**		3.0	0.38	ug/L		10/03/24 14:55	10/08/24 18:01	1
Beryllium	ND		1.0	0.30	ug/L		10/03/24 14:55	10/04/24 19:59	1
Cadmium	ND		1.0	0.19	ug/L		10/03/24 14:55	10/08/24 18:01	1
Cobalt	ND		1.0	0.33	ug/L		10/03/24 14:55	10/08/24 18:01	1
Chromium	ND		3.0	0.50	ug/L		10/03/24 14:55	10/08/24 18:01	1
Copper	ND		2.0	0.71	ug/L		10/03/24 14:55	10/08/24 18:01	1
Manganese	**2.3**	**J**	3.0	0.51	ug/L		10/03/24 14:55	10/08/24 18:01	1
Molybdenum	ND		2.0	0.37	ug/L		10/03/24 14:55	10/08/24 18:01	1
Nickel	ND		3.0	0.83	ug/L		10/16/24 14:56	10/17/24 08:27	1
Lead	ND		1.0	0.23	ug/L		10/03/24 14:55	10/08/24 18:01	1
Antimony	ND		2.0	0.40	ug/L		10/03/24 14:55	10/04/24 19:59	1
Selenium	ND		5.0	1.0	ug/L		10/03/24 14:55	10/08/24 18:01	1
Thallium	ND		1.0	0.21	ug/L		10/03/24 14:55	10/08/24 18:01	1
Uranium	**14**		1.0	0.030	ug/L		10/03/24 14:55	10/08/24 18:01	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved (Continued)

Client Sample ID: PZ-4
Date Collected: 09/30/24 11:00
Date Received: 10/01/24 10:01

Lab Sample ID: 280-197342-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vanadium	ND		5.0	1.1	ug/L		10/03/24 14:55	10/08/24 18:01	1
Zinc	ND		10	2.0	ug/L		10/16/24 14:56	10/17/24 08:27	1

Client Sample ID: LM-MW-3
Date Collected: 09/30/24 12:15
Date Received: 10/01/24 10:01

Lab Sample ID: 280-197342-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		1.0	0.045	ug/L		10/03/24 14:55	10/08/24 18:04	1
Arsenic	ND		5.0	0.50	ug/L		10/03/24 14:55	10/08/24 18:04	1
Barium	**25**		3.0	0.38	ug/L		10/03/24 14:55	10/08/24 18:04	1
Beryllium	ND		1.0	0.30	ug/L		10/03/24 14:55	10/04/24 20:02	1
Cadmium	ND		1.0	0.19	ug/L		10/03/24 14:55	10/08/24 18:04	1
Cobalt	ND		1.0	0.33	ug/L		10/03/24 14:55	10/08/24 18:04	1
Chromium	ND		3.0	0.50	ug/L		10/03/24 14:55	10/08/24 18:04	1
Copper	**2.4**		2.0	0.71	ug/L		10/03/24 14:55	10/08/24 18:04	1
Manganese	**15**		3.0	0.51	ug/L		10/03/24 14:55	10/08/24 18:04	1
Molybdenum	ND		2.0	0.37	ug/L		10/03/24 14:55	10/08/24 18:04	1
Nickel	**1.2**	**J**	3.0	0.83	ug/L		10/16/24 14:56	10/17/24 08:29	1
Lead	ND		1.0	0.23	ug/L		10/03/24 14:55	10/08/24 18:04	1
Antimony	ND		2.0	0.40	ug/L		10/03/24 14:55	10/04/24 20:02	1
Selenium	**1.2**	**J**	5.0	1.0	ug/L		10/03/24 14:55	10/08/24 18:04	1
Thallium	ND		1.0	0.21	ug/L		10/03/24 14:55	10/08/24 18:04	1
Uranium	**9.3**		1.0	0.030	ug/L		10/03/24 14:55	10/08/24 18:04	1
Vanadium	ND		5.0	1.1	ug/L		10/03/24 14:55	10/08/24 18:04	1
Zinc	**120**		10	2.0	ug/L		10/16/24 14:56	10/17/24 08:29	1

Client Sample ID: MW-13
Date Collected: 09/30/24 13:30
Date Received: 10/01/24 10:01

Lab Sample ID: 280-197342-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		1.0	0.045	ug/L		10/03/24 14:55	10/08/24 18:06	1
Arsenic	ND		5.0	0.50	ug/L		10/03/24 14:55	10/08/24 18:06	1
Barium	**22**		3.0	0.38	ug/L		10/03/24 14:55	10/08/24 18:06	1
Beryllium	ND		1.0	0.30	ug/L		10/03/24 14:55	10/04/24 20:04	1
Cadmium	ND		1.0	0.19	ug/L		10/03/24 14:55	10/08/24 18:06	1
Cobalt	**4.0**		1.0	0.33	ug/L		10/03/24 14:55	10/08/24 18:06	1
Chromium	**2.0**	**J**	3.0	0.50	ug/L		10/03/24 14:55	10/08/24 18:06	1
Copper	ND		2.0	0.71	ug/L		10/03/24 14:55	10/08/24 18:06	1
Manganese	**8.6**		3.0	0.51	ug/L		10/03/24 14:55	10/08/24 18:06	1
Molybdenum	ND		2.0	0.37	ug/L		10/03/24 14:55	10/08/24 18:06	1
Nickel	**7.6**		3.0	0.83	ug/L		10/16/24 14:56	10/17/24 08:32	1
Lead	ND		1.0	0.23	ug/L		10/03/24 14:55	10/08/24 18:06	1
Antimony	ND		2.0	0.40	ug/L		10/03/24 14:55	10/04/24 20:04	1
Selenium	**6.7**		5.0	1.0	ug/L		10/03/24 14:55	10/08/24 18:06	1
Thallium	ND		1.0	0.21	ug/L		10/03/24 14:55	10/08/24 18:06	1
Uranium	**11**		1.0	0.030	ug/L		10/03/24 14:55	10/08/24 18:06	1
Vanadium	ND		5.0	1.1	ug/L		10/03/24 14:55	10/08/24 18:06	1
Zinc	**4.6**	**J**	10	2.0	ug/L		10/16/24 14:56	10/17/24 08:32	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Client Sample ID: MW-13A
Date Collected: 09/30/24 14:30
Date Received: 10/01/24 10:01

Lab Sample ID: 280-197342-5
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	**0.16**	**J**	1.0	0.045	ug/L		10/03/24 14:55	10/08/24 18:09	1
Arsenic	ND		5.0	0.50	ug/L		10/03/24 14:55	10/08/24 18:09	1
Barium	**9.9**		3.0	0.38	ug/L		10/03/24 14:55	10/08/24 18:09	1
Beryllium	**1.2**		1.0	0.30	ug/L		10/03/24 14:55	10/04/24 20:06	1
Cadmium	**270**		1.0	0.19	ug/L		10/03/24 14:55	10/08/24 18:09	1
Cobalt	**2.0**		1.0	0.33	ug/L		10/03/24 14:55	10/08/24 18:09	1
Chromium	**0.67**	**J**	3.0	0.50	ug/L		10/03/24 14:55	10/08/24 18:09	1
Copper	**170**		2.0	0.71	ug/L		10/03/24 14:55	10/08/24 18:09	1
Manganese	**8900**		3.0	0.51	ug/L		10/03/24 14:55	10/08/24 18:09	1
Molybdenum	ND		2.0	0.37	ug/L		10/03/24 14:55	10/08/24 18:09	1
Nickel	**63**		3.0	0.83	ug/L		10/16/24 14:56	10/17/24 08:39	1
Lead	**0.61**	**J**	1.0	0.23	ug/L		10/03/24 14:55	10/08/24 18:09	1
Antimony	ND		2.0	0.40	ug/L		10/03/24 14:55	10/04/24 20:06	1
Selenium	ND		5.0	1.0	ug/L		10/03/24 14:55	10/08/24 18:09	1
Thallium	ND		1.0	0.21	ug/L		10/03/24 14:55	10/08/24 18:09	1
Uranium	**0.17**	**J**	1.0	0.030	ug/L		10/03/24 14:55	10/08/24 18:09	1
Vanadium	ND		5.0	1.1	ug/L		10/03/24 14:55	10/08/24 18:09	1
Zinc	**37000**		100	20	ug/L		10/16/24 14:56	10/17/24 13:23	10

Client Sample ID: MA1TMW-4
Date Collected: 09/30/24 17:30
Date Received: 10/01/24 10:01

Lab Sample ID: 280-197342-6
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		1.0	0.045	ug/L		10/03/24 14:55	10/08/24 18:11	1
Arsenic	ND		5.0	0.50	ug/L		10/03/24 14:55	10/08/24 18:11	1
Barium	**29**		3.0	0.38	ug/L		10/03/24 14:55	10/08/24 18:11	1
Beryllium	ND		1.0	0.30	ug/L		10/03/24 14:55	10/04/24 20:09	1
Cadmium	**0.23**	**J**	1.0	0.19	ug/L		10/03/24 14:55	10/08/24 18:11	1
Cobalt	**0.87**	**J**	1.0	0.33	ug/L		10/03/24 14:55	10/08/24 18:11	1
Chromium	ND		3.0	0.50	ug/L		10/03/24 14:55	10/08/24 18:11	1
Copper	ND		2.0	0.71	ug/L		10/03/24 14:55	10/08/24 18:11	1
Manganese	**2.2**	**J**	3.0	0.51	ug/L		10/03/24 14:55	10/08/24 18:11	1
Molybdenum	ND		2.0	0.37	ug/L		10/03/24 14:55	10/08/24 18:11	1
Nickel	ND		3.0	0.83	ug/L		10/16/24 14:56	10/17/24 08:41	1
Lead	ND		1.0	0.23	ug/L		10/03/24 14:55	10/08/24 18:11	1
Antimony	ND		2.0	0.40	ug/L		10/03/24 14:55	10/04/24 20:09	1
Selenium	ND		5.0	1.0	ug/L		10/03/24 14:55	10/08/24 18:11	1
Thallium	ND		1.0	0.21	ug/L		10/03/24 14:55	10/08/24 18:11	1
Uranium	**3.4**		1.0	0.030	ug/L		10/03/24 14:55	10/08/24 18:11	1
Vanadium	ND		5.0	1.1	ug/L		10/03/24 14:55	10/08/24 18:11	1
Zinc	**3.0**	**J**	10	2.0	ug/L		10/16/24 14:56	10/17/24 13:18	1

Client Sample ID: LM-MW-2
Date Collected: 09/30/24 18:30
Date Received: 10/01/24 10:01

Lab Sample ID: 280-197342-7
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		1.0	0.045	ug/L		10/03/24 14:55	10/08/24 18:13	1
Arsenic	ND		5.0	0.50	ug/L		10/03/24 14:55	10/08/24 18:13	1
Barium	**24**		3.0	0.38	ug/L		10/03/24 14:55	10/08/24 18:13	1
Beryllium	ND		1.0	0.30	ug/L		10/03/24 14:55	10/04/24 20:11	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved (Continued)

Client Sample ID: LM-MW-2
Date Collected: 09/30/24 18:30
Date Received: 10/01/24 10:01

Lab Sample ID: 280-197342-7
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	**0.21**	**J**	1.0	0.19	ug/L		10/03/24 14:55	10/08/24 18:13	1
Cobalt	ND		1.0	0.33	ug/L		10/03/24 14:55	10/08/24 18:13	1
Chromium	ND		3.0	0.50	ug/L		10/03/24 14:55	10/08/24 18:13	1
Copper	ND		2.0	0.71	ug/L		10/03/24 14:55	10/08/24 18:13	1
Manganese	**140**		3.0	0.51	ug/L		10/03/24 14:55	10/08/24 18:13	1
Molybdenum	ND		2.0	0.37	ug/L		10/03/24 14:55	10/08/24 18:13	1
Nickel	ND		3.0	0.83	ug/L		10/16/24 14:56	10/17/24 08:43	1
Lead	ND		1.0	0.23	ug/L		10/03/24 14:55	10/08/24 18:13	1
Antimony	ND		2.0	0.40	ug/L		10/03/24 14:55	10/04/24 20:11	1
Selenium	**3.0**	**J**	5.0	1.0	ug/L		10/03/24 14:55	10/08/24 18:13	1
Thallium	ND		1.0	0.21	ug/L		10/03/24 14:55	10/08/24 18:13	1
Uranium	**1.0**		1.0	0.030	ug/L		10/03/24 14:55	10/08/24 18:13	1
Vanadium	ND		5.0	1.1	ug/L		10/03/24 14:55	10/08/24 18:13	1
Zinc	ND		10	2.0	ug/L		10/16/24 14:56	10/17/24 13:21	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Client Sample ID: BMW-1
Date Collected: 09/30/24 10:00
Date Received: 10/01/24 10:01

Lab Sample ID: 280-197342-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.061	ug/L		10/08/24 17:11	10/08/24 23:49	1

Client Sample ID: PZ-4
Date Collected: 09/30/24 11:00
Date Received: 10/01/24 10:01

Lab Sample ID: 280-197342-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.061	ug/L		10/08/24 17:11	10/08/24 23:57	1

Client Sample ID: LM-MW-3
Date Collected: 09/30/24 12:15
Date Received: 10/01/24 10:01

Lab Sample ID: 280-197342-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.061	ug/L		10/08/24 17:11	10/09/24 00:00	1

Client Sample ID: MW-13
Date Collected: 09/30/24 13:30
Date Received: 10/01/24 10:01

Lab Sample ID: 280-197342-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.061	ug/L		10/08/24 17:11	10/09/24 00:02	1

Client Sample ID: MW-13A
Date Collected: 09/30/24 14:30
Date Received: 10/01/24 10:01

Lab Sample ID: 280-197342-5
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.061	ug/L		10/08/24 17:11	10/09/24 00:05	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Client Sample ID: MA1TMW-4
Date Collected: 09/30/24 17:30
Date Received: 10/01/24 10:01

Lab Sample ID: 280-197342-6
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.061	ug/L		10/08/24 17:11	10/09/24 00:07	1

Client Sample ID: LM-MW-2
Date Collected: 09/30/24 18:30
Date Received: 10/01/24 10:01

Lab Sample ID: 280-197342-7
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.061	ug/L		10/08/24 17:11	10/09/24 00:15	1

General Chemistry

Client Sample ID: BMW-1
Date Collected: 09/30/24 10:00
Date Received: 10/01/24 10:01

Lab Sample ID: 280-197342-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N (EPA 300.0)	ND		0.50	0.090	mg/L			10/01/24 18:29	1
Nitrite as N (EPA 300.0)	ND		0.50	0.049	mg/L			10/01/24 18:29	1
Nitrate Nitrite as N (EPA 353.2)	ND		0.10	0.044	mg/L			10/02/24 12:30	1
Cyanide, Free (OI CORP OIA-1677)	**0.011**		0.0060	0.0050	mg/L			10/07/24 18:11	1
Total Dissolved Solids (TDS) (SM 2540C)	**130**		10	4.7	mg/L			10/02/24 08:48	1

Client Sample ID: PZ-4
Date Collected: 09/30/24 11:00
Date Received: 10/01/24 10:01

Lab Sample ID: 280-197342-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N (EPA 300.0)	**3.6**		0.50	0.090	mg/L			10/01/24 19:20	1
Nitrite as N (EPA 300.0)	ND		0.50	0.049	mg/L			10/01/24 19:20	1
Nitrate Nitrite as N (EPA 353.2)	**3.9**		0.10	0.044	mg/L			10/02/24 12:31	1
Cyanide, Free (OI CORP OIA-1677)	ND		0.0060	0.0050	mg/L			10/07/24 18:14	1
Total Dissolved Solids (TDS) (SM 2540C)	**390**		10	4.7	mg/L			10/02/24 08:48	1

Client Sample ID: LM-MW-3
Date Collected: 09/30/24 12:15
Date Received: 10/01/24 10:01

Lab Sample ID: 280-197342-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N (EPA 300.0)	**7.4**		0.50	0.090	mg/L			10/01/24 19:37	1
Nitrite as N (EPA 300.0)	ND		0.50	0.049	mg/L			10/01/24 19:37	1
Nitrate Nitrite as N (EPA 353.2)	**7.3**		0.20	0.088	mg/L			10/02/24 12:32	2
Cyanide, Free (OI CORP OIA-1677)	ND		0.0060	0.0050	mg/L			10/07/24 18:16	1
Total Dissolved Solids (TDS) (SM 2540C)	**600**		10	4.7	mg/L			10/02/24 08:48	1

Client Sample ID: MW-13
Date Collected: 09/30/24 13:30
Date Received: 10/01/24 10:01

Lab Sample ID: 280-197342-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N (EPA 300.0)	**4.6**		0.50	0.090	mg/L			10/01/24 20:28	1
Nitrite as N (EPA 300.0)	ND		0.50	0.049	mg/L			10/01/24 20:28	1
Nitrate Nitrite as N (EPA 353.2)	**4.9**		0.10	0.044	mg/L			10/02/24 12:33	1
Cyanide, Free (OI CORP OIA-1677)	ND		0.0060	0.0050	mg/L			10/07/24 18:19	1

General Chemistry (Continued)

Client Sample ID: MW-13
Date Collected: 09/30/24 13:30
Date Received: 10/01/24 10:01

Lab Sample ID: 280-197342-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (TDS) (SM 2540C)	**780**		10	4.7	mg/L			10/02/24 08:48	1

Client Sample ID: MW-13A
Date Collected: 09/30/24 14:30
Date Received: 10/01/24 10:01

Lab Sample ID: 280-197342-5
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N (EPA 300.0)	**3.3**		0.50	0.090	mg/L			10/01/24 20:45	1
Nitrite as N (EPA 300.0)	ND		0.50	0.049	mg/L			10/01/24 20:45	1
Nitrate Nitrite as N (EPA 353.2)	**3.6**		0.10	0.044	mg/L			10/02/24 12:35	1
Cyanide, Free (OI CORP OIA-1677)	ND		0.0060	0.0050	mg/L			10/07/24 18:21	1
Total Dissolved Solids (TDS) (SM 2540C)	**970**		10	4.7	mg/L			10/02/24 08:48	1

Client Sample ID: MA1TMW-4
Date Collected: 09/30/24 17:30
Date Received: 10/01/24 10:01

Lab Sample ID: 280-197342-6
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N (EPA 300.0)	**3.0**		0.50	0.090	mg/L			10/01/24 21:53	1
Nitrite as N (EPA 300.0)	ND		0.50	0.049	mg/L			10/01/24 21:53	1
Nitrate Nitrite as N (EPA 353.2)	**3.3**		0.10	0.044	mg/L			10/02/24 12:36	1
Cyanide, Free (OI CORP OIA-1677)	ND		0.0060	0.0050	mg/L			10/07/24 18:24	1
Total Dissolved Solids (TDS) (SM 2540C)	**370**		10	4.7	mg/L			10/02/24 08:48	1

Client Sample ID: LM-MW-2
Date Collected: 09/30/24 18:30
Date Received: 10/01/24 10:01

Lab Sample ID: 280-197342-7
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N (EPA 300.0)	**0.72**		0.50	0.090	mg/L			10/01/24 22:10	1
Nitrite as N (EPA 300.0)	ND		0.50	0.049	mg/L			10/01/24 22:10	1
Nitrate Nitrite as N (EPA 353.2)	**0.054**	**J**	0.10	0.044	mg/L			10/02/24 12:48	1
Cyanide, Free (OI CORP OIA-1677)	ND		0.0060	0.0050	mg/L			10/07/24 18:36	1
Total Dissolved Solids (TDS) (SM 2540C)	**1100**		20	9.4	mg/L			10/02/24 08:48	1

General Chemistry - Dissolved

Client Sample ID: BMW-1
Date Collected: 09/30/24 10:00
Date Received: 10/01/24 10:01

Lab Sample ID: 280-197342-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	ND		3.0	1.0	mg/L			10/01/24 18:29	1
Fluoride (EPA 300.0)	**0.24**	**J**	0.50	0.17	mg/L			10/01/24 18:29	1
Sulfate (EPA 300.0)	**16**		5.0	1.0	mg/L			10/01/24 18:29	1

Client Sample ID: PZ-4
Date Collected: 09/30/24 11:00
Date Received: 10/01/24 10:01

Lab Sample ID: 280-197342-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	**31**		3.0	1.0	mg/L			10/01/24 19:20	1
Fluoride (EPA 300.0)	ND		0.50	0.17	mg/L			10/01/24 19:20	1

General Chemistry - Dissolved (Continued)

Client Sample ID: PZ-4
Date Collected: 09/30/24 11:00
Date Received: 10/01/24 10:01

Lab Sample ID: 280-197342-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate (EPA 300.0)	**93**		5.0	1.0	mg/L			10/01/24 19:20	1

Client Sample ID: LM-MW-3
Date Collected: 09/30/24 12:15
Date Received: 10/01/24 10:01

Lab Sample ID: 280-197342-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	**22**		3.0	1.0	mg/L			10/01/24 19:37	1
Fluoride (EPA 300.0)	ND		0.50	0.17	mg/L			10/01/24 19:37	1
Sulfate (EPA 300.0)	**210**		25	5.2	mg/L			10/05/24 01:19	5

Client Sample ID: MW-13
Date Collected: 09/30/24 13:30
Date Received: 10/01/24 10:01

Lab Sample ID: 280-197342-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	**17**		3.0	1.0	mg/L			10/01/24 20:28	1
Fluoride (EPA 300.0)	**0.28**	**J**	0.50	0.17	mg/L			10/05/24 01:30	1
Sulfate (EPA 300.0)	**420**		25	5.2	mg/L			10/07/24 19:40	5

Client Sample ID: MW-13A
Date Collected: 09/30/24 14:30
Date Received: 10/01/24 10:01

Lab Sample ID: 280-197342-5
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	**14**		3.0	1.0	mg/L			10/01/24 20:45	1
Fluoride (EPA 300.0)	**1.0**	**F1**	0.50	0.17	mg/L			10/01/24 20:45	1
Sulfate (EPA 300.0)	**450**		25	5.2	mg/L			10/05/24 01:52	5

Client Sample ID: MA1TMW-4
Date Collected: 09/30/24 17:30
Date Received: 10/01/24 10:01

Lab Sample ID: 280-197342-6
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	**22**		3.0	1.0	mg/L			10/01/24 21:53	1
Fluoride (EPA 300.0)	ND		0.50	0.17	mg/L			10/01/24 21:53	1
Sulfate (EPA 300.0)	**140**		5.0	1.0	mg/L			10/01/24 21:53	1

Client Sample ID: LM-MW-2
Date Collected: 09/30/24 18:30
Date Received: 10/01/24 10:01

Lab Sample ID: 280-197342-7
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	**22**		3.0	1.0	mg/L			10/01/24 22:10	1
Fluoride (EPA 300.0)	ND		0.50	0.17	mg/L			10/01/24 22:10	1
Sulfate (EPA 300.0)	**530**		25	5.2	mg/L			10/05/24 02:03	5

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 280-669398/1-B
Matrix: Water
Analysis Batch: 669920

Client Sample ID: Method Blank
Prep Type: Dissolved
Prep Batch: 669449

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	ND		100	1.5	ug/L		10/03/24 14:55	10/04/24 19:47	1
Iron	38.4	J	100	9.1	ug/L		10/03/24 14:55	10/04/24 19:47	1
Lithium	ND		20	9.1	ug/L		10/03/24 14:55	10/04/24 19:47	1

Lab Sample ID: MB 280-669398/1-B
Matrix: Water
Analysis Batch: 670099

Client Sample ID: Method Blank
Prep Type: Dissolved
Prep Batch: 669449

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		100	18	ug/L		10/03/24 14:55	10/07/24 21:38	1

Lab Sample ID: LCS 280-669398/2-B
Matrix: Water
Analysis Batch: 669920

Client Sample ID: Lab Control Sample
Prep Type: Dissolved
Prep Batch: 669449

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	2000	1990		ug/L		100	86 - 110
Iron	10000	9990		ug/L		100	89 - 115
Lithium	1000	934		ug/L		93	90 - 112

Lab Sample ID: LCS 280-669398/2-B
Matrix: Water
Analysis Batch: 670099

Client Sample ID: Lab Control Sample
Prep Type: Dissolved
Prep Batch: 669449

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	10000	10500		ug/L		105	87 - 111

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 280-669398/1-B
Matrix: Water
Analysis Batch: 670032

Client Sample ID: Method Blank
Prep Type: Dissolved
Prep Batch: 669449

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	ND		1.0	0.30	ug/L		10/03/24 14:55	10/04/24 19:26	1
Antimony	ND		2.0	0.40	ug/L		10/03/24 14:55	10/04/24 19:26	1

Lab Sample ID: MB 280-669398/1-B
Matrix: Water
Analysis Batch: 670248

Client Sample ID: Method Blank
Prep Type: Dissolved
Prep Batch: 669449

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		1.0	0.045	ug/L		10/03/24 14:55	10/08/24 17:16	1
Arsenic	ND		5.0	0.50	ug/L		10/03/24 14:55	10/08/24 17:16	1
Barium	ND		3.0	0.38	ug/L		10/03/24 14:55	10/08/24 17:16	1
Cadmium	ND		1.0	0.19	ug/L		10/03/24 14:55	10/08/24 17:16	1
Cobalt	ND		1.0	0.33	ug/L		10/03/24 14:55	10/08/24 17:16	1
Chromium	ND		3.0	0.50	ug/L		10/03/24 14:55	10/08/24 17:16	1
Copper	ND		2.0	0.71	ug/L		10/03/24 14:55	10/08/24 17:16	1
Manganese	ND		3.0	0.51	ug/L		10/03/24 14:55	10/08/24 17:16	1

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

Lab Sample ID: MB 280-669398/1-B
Matrix: Water
Analysis Batch: 670248

Client Sample ID: Method Blank
Prep Type: Dissolved
Prep Batch: 669449

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Molybdenum	ND		2.0	0.37	ug/L		10/03/24 14:55	10/08/24 17:16	1
Lead	ND		1.0	0.23	ug/L		10/03/24 14:55	10/08/24 17:16	1
Selenium	ND		5.0	1.0	ug/L		10/03/24 14:55	10/08/24 17:16	1
Thallium	ND		1.0	0.21	ug/L		10/03/24 14:55	10/08/24 17:16	1
Uranium	ND		1.0	0.030	ug/L		10/03/24 14:55	10/08/24 17:16	1
Vanadium	ND		5.0	1.1	ug/L		10/03/24 14:55	10/08/24 17:16	1

Lab Sample ID: LCS 280-669398/2-C
Matrix: Water
Analysis Batch: 670032

Client Sample ID: Lab Control Sample
Prep Type: Dissolved
Prep Batch: 669449

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Beryllium	40.0	40.0		ug/L		100	80 - 125
Antimony	40.0	39.0		ug/L		98	85 - 115

Lab Sample ID: LCS 280-669398/2-C
Matrix: Water
Analysis Batch: 670248

Client Sample ID: Lab Control Sample
Prep Type: Dissolved
Prep Batch: 669449

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Silver	40.0	42.0		ug/L		105	85 - 115
Arsenic	40.0	43.1		ug/L		108	85 - 117
Barium	40.0	44.1		ug/L		110	85 - 118
Cadmium	40.0	43.0		ug/L		108	85 - 115
Cobalt	40.0	41.5		ug/L		104	85 - 120
Chromium	40.0	41.6		ug/L		104	84 - 121
Copper	40.0	41.5		ug/L		104	85 - 119
Manganese	40.0	41.6		ug/L		104	85 - 117
Molybdenum	40.0	43.2		ug/L		108	85 - 119
Lead	40.0	41.0		ug/L		102	85 - 118
Selenium	40.0	40.3		ug/L		101	77 - 122
Thallium	40.0	40.8		ug/L		102	85 - 118
Uranium	40.0	39.7		ug/L		99	85 - 119
Vanadium	40.0	43.9		ug/L		110	85 - 120

Lab Sample ID: MB 280-671071/1-B
Matrix: Water
Analysis Batch: 671431

Client Sample ID: Method Blank
Prep Type: Dissolved
Prep Batch: 671078

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nickel	ND		3.0	0.83	ug/L		10/16/24 14:56	10/17/24 08:10	1
Zinc	ND		10	2.0	ug/L		10/16/24 14:56	10/17/24 08:10	1

Lab Sample ID: LCS 280-671071/2-B
Matrix: Water
Analysis Batch: 671431

Client Sample ID: Lab Control Sample
Prep Type: Dissolved
Prep Batch: 671078

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nickel	40.0	37.8		ug/L		94	85 - 119
Zinc	40.0	38.8		ug/L		97	83 - 122

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: 280-197342-1 MS
Matrix: Water
Analysis Batch: 671431

Client Sample ID: BMW-1
Prep Type: Dissolved
Prep Batch: 671078

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Nickel	ND		40.0	38.4		ug/L		96	92 - 116
Zinc	ND		40.0	40.0		ug/L		100	86 - 120

Lab Sample ID: 280-197342-1 MSD
Matrix: Water
Analysis Batch: 671431

Client Sample ID: BMW-1
Prep Type: Dissolved
Prep Batch: 671078

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nickel	ND		40.0	37.3		ug/L		93	92 - 116	3	20
Zinc	ND		40.0	39.4		ug/L		98	86 - 120	2	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 280-669879/1-B
Matrix: Water
Analysis Batch: 670363

Client Sample ID: Method Blank
Prep Type: Dissolved
Prep Batch: 670170

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.061	ug/L		10/08/24 17:11	10/08/24 23:44	1

Lab Sample ID: LCS 280-669879/2-B
Matrix: Water
Analysis Batch: 670363

Client Sample ID: Lab Control Sample
Prep Type: Dissolved
Prep Batch: 670170

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	5.00	5.13		ug/L		103	84 - 120

Lab Sample ID: 280-197342-1 MS
Matrix: Water
Analysis Batch: 670363

Client Sample ID: BMW-1
Prep Type: Dissolved
Prep Batch: 670170

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	ND		5.00	5.14		ug/L		103	75 - 125

Lab Sample ID: 280-197342-1 MSD
Matrix: Water
Analysis Batch: 670363

Client Sample ID: BMW-1
Prep Type: Dissolved
Prep Batch: 670170

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	ND		5.00	5.29		ug/L		106	75 - 125	3	20

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 280-669292/6
Matrix: Water
Analysis Batch: 669292

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	ND		0.50	0.090	mg/L			10/01/24 15:55	1
Nitrite as N	ND		0.50	0.049	mg/L			10/01/24 15:55	1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 280-669292/4
Matrix: Water
Analysis Batch: 669292

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate as N	5.00	4.86		mg/L		97	90 - 110
Nitrite as N	5.00	4.83		mg/L		97	90 - 110

Lab Sample ID: LCSD 280-669292/5
Matrix: Water
Analysis Batch: 669292

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrate as N	5.00	4.88		mg/L		98	90 - 110	0	10
Nitrite as N	5.00	4.90		mg/L		98	90 - 110	1	10

Lab Sample ID: MRL 280-669292/3
Matrix: Water
Analysis Batch: 669292

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate as N	0.500	0.474	J	mg/L		95	50 - 150
Nitrite as N	0.500	0.468	J	mg/L		94	50 - 150

Lab Sample ID: 280-197342-5 MS
Matrix: Water
Analysis Batch: 669292

Client Sample ID: MW-13A
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate as N	3.3		5.00	8.36		mg/L		100	80 - 120
Nitrite as N	ND		5.00	5.07		mg/L		101	80 - 120

Lab Sample ID: 280-197342-5 MSD
Matrix: Water
Analysis Batch: 669292

Client Sample ID: MW-13A
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrate as N	3.3		5.00	8.27		mg/L		98	80 - 120	1	20
Nitrite as N	ND		5.00	5.08		mg/L		102	80 - 120	0	20

Lab Sample ID: 280-197342-5 DU
Matrix: Water
Analysis Batch: 669292

Client Sample ID: MW-13A
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Nitrate as N	3.3		3.34		mg/L		0.3	15
Nitrite as N	ND		ND		mg/L		NC	15

Lab Sample ID: MB 280-669293/6
Matrix: Water
Analysis Batch: 669293

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		3.0	1.0	mg/L			10/01/24 15:55	1
Fluoride	ND		0.50	0.17	mg/L			10/01/24 15:55	1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 280-669293/6
Matrix: Water
Analysis Batch: 669293

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	ND		5.0	1.0	mg/L			10/01/24 15:55	1

Lab Sample ID: LCS 280-669293/4
Matrix: Water
Analysis Batch: 669293

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			100	102		mg/L		102	90 - 110		
Fluoride			5.00	5.04		mg/L		101	90 - 110		
Sulfate			100	103		mg/L		103	90 - 110		

Lab Sample ID: LCSD 280-669293/5
Matrix: Water
Analysis Batch: 669293

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			100	102		mg/L		102	90 - 110	0	10
Fluoride			5.00	5.08		mg/L		102	90 - 110	1	10
Sulfate			100	103		mg/L		103	90 - 110	0	10

Lab Sample ID: MRL 280-669293/3
Matrix: Water
Analysis Batch: 669293

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

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			5.00	5.23		mg/L		105	50 - 150		
Fluoride			0.500	0.508		mg/L		102	50 - 150		
Sulfate			5.00	4.90	J	mg/L		98	50 - 150		

Lab Sample ID: MB 280-669330/6
Matrix: Water
Analysis Batch: 669330

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	ND		5.0	1.0	mg/L			10/01/24 13:09	1

Lab Sample ID: LCS 280-669330/4
Matrix: Water
Analysis Batch: 669330

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfate			100	101		mg/L		101	90 - 110		

Lab Sample ID: LCSD 280-669330/5
Matrix: Water
Analysis Batch: 669330

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfate			100	101		mg/L		101	90 - 110	0	10

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MRL 280-669330/3
Matrix: Water
Analysis Batch: 669330

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	5.00	4.77	J	mg/L		95	50 - 150

Lab Sample ID: MB 280-669803/6
Matrix: Water
Analysis Batch: 669803

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	ND		0.50	0.17	mg/L			10/04/24 11:06	1
Sulfate	ND		5.0	1.0	mg/L			10/04/24 11:06	1

Lab Sample ID: LCS 280-669803/4
Matrix: Water
Analysis Batch: 669803

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	5.00	4.75		mg/L		95	90 - 110
Sulfate	100	103		mg/L		103	90 - 110

Lab Sample ID: LCSD 280-669803/5
Matrix: Water
Analysis Batch: 669803

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Fluoride	5.00	4.76		mg/L		95	90 - 110	0	10
Sulfate	100	104		mg/L		104	90 - 110	0	10

Lab Sample ID: MRL 280-669803/3
Matrix: Water
Analysis Batch: 669803

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	0.500	0.442	J	mg/L		88	50 - 150
Sulfate	5.00	4.59	J	mg/L		92	50 - 150

Lab Sample ID: MRL 280-669991/3
Matrix: Water
Analysis Batch: 669991

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	5.00	4.37	J	mg/L		87	50 - 150

Lab Sample ID: 280-197342-5 MS
Matrix: Water
Analysis Batch: 669293

Client Sample ID: MW-13A
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	14		50.0	70.5		mg/L		112	80 - 120
Fluoride	1.0	F1	5.00	8.91	F1	mg/L		158	80 - 120

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 280-197342-5 MSD
Matrix: Water
Analysis Batch: 669293

Client Sample ID: MW-13A
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	14		50.0	69.6		mg/L		110	80 - 120	1	20
Fluoride	1.0	F1	5.00	8.63	F1	mg/L		152	80 - 120	3	20

Lab Sample ID: 280-197342-5 DU
Matrix: Water
Analysis Batch: 669293

Client Sample ID: MW-13A
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Chloride	14		14.4		mg/L		0.7	15
Fluoride	1.0	F1	1.04		mg/L		1	15

Method: 353.2 - Nitrogen, Nitrate-Nitrite

Lab Sample ID: MB 280-669634/20
Matrix: Water
Analysis Batch: 669634

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	ND		0.10	0.044	mg/L			10/02/24 12:21	1

Lab Sample ID: LCS 280-669634/18
Matrix: Water
Analysis Batch: 669634

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate Nitrite as N	1.00	1.02		mg/L		102	90 - 110

Lab Sample ID: LCSD 280-669634/19
Matrix: Water
Analysis Batch: 669634

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrate Nitrite as N	1.00	1.03		mg/L		103	90 - 110	1	10

Method: OIA-1677 - Cyanide, Free (Flow Injection)

Lab Sample ID: MB 410-560613/17
Matrix: Water
Analysis Batch: 560613

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Free	ND		0.0060	0.0050	mg/L			10/07/24 17:09	1

Lab Sample ID: MB 410-560613/33
Matrix: Water
Analysis Batch: 560613

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Free	ND		0.0060	0.0050	mg/L			10/07/24 17:49	1

Method: OIA-1677 - Cyanide, Free (Flow Injection) (Continued)

Lab Sample ID: MB 410-560613/49
Matrix: Water
Analysis Batch: 560613

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Free	ND		0.0060	0.0050	mg/L			10/07/24 18:29	1

Lab Sample ID: LCS 410-560613/32
Matrix: Water
Analysis Batch: 560613

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Free	0.0500	0.0623		mg/L		125	82 - 132

Lab Sample ID: LCS 410-560613/48
Matrix: Water
Analysis Batch: 560613

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Free	0.0500	0.0473		mg/L		95	82 - 132

Lab Sample ID: 280-197342-7 MS
Matrix: Water
Analysis Batch: 560613

Client Sample ID: LM-MW-2
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Free	ND		0.0500	0.0473		mg/L		95	82 - 130

Lab Sample ID: 280-197342-7 MSD
Matrix: Water
Analysis Batch: 560613

Client Sample ID: LM-MW-2
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cyanide, Free	ND		0.0500	0.0441		mg/L		88	82 - 130	7	11

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 280-669427/1
Matrix: Water
Analysis Batch: 669427

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (TDS)	ND		10	4.7	mg/L			10/02/24 08:48	1

Lab Sample ID: LCS 280-669427/2
Matrix: Water
Analysis Batch: 669427

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids (TDS)	501	489		mg/L		98	88 - 114

Method: SM 2540C - Solids, Total Dissolved (TDS) (Continued)

Lab Sample ID: 280-197342-7 DU
Matrix: Water
Analysis Batch: 669427

Client Sample ID: LM-MW-2
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids (TDS)	1100			1050		mg/L				0.8	10

QC Association Summary

Client: Union Milling Company
Project/Site: Leadville Mill, CO

Job ID: 280-197342-1

Metals

Filtration Batch: 669398

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-197342-1	BMW-1	Dissolved	Water	Filtration	
280-197342-2	PZ-4	Dissolved	Water	Filtration	
280-197342-3	LM-MW-3	Dissolved	Water	Filtration	
280-197342-4	MW-13	Dissolved	Water	Filtration	
280-197342-5	MW-13A	Dissolved	Water	Filtration	
280-197342-6	MA1TMW-4	Dissolved	Water	Filtration	
280-197342-7	LM-MW-2	Dissolved	Water	Filtration	
MB 280-669398/1-B	Method Blank	Dissolved	Water	Filtration	
LCS 280-669398/2-B	Lab Control Sample	Dissolved	Water	Filtration	
LCS 280-669398/2-C	Lab Control Sample	Dissolved	Water	Filtration	

Prep Batch: 669449

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-197342-1	BMW-1	Dissolved	Water	3005A	669398
280-197342-2	PZ-4	Dissolved	Water	3005A	669398
280-197342-3	LM-MW-3	Dissolved	Water	3005A	669398
280-197342-4	MW-13	Dissolved	Water	3005A	669398
280-197342-5	MW-13A	Dissolved	Water	3005A	669398
280-197342-6	MA1TMW-4	Dissolved	Water	3005A	669398
280-197342-7	LM-MW-2	Dissolved	Water	3005A	669398
MB 280-669398/1-B	Method Blank	Dissolved	Water	3005A	669398
LCS 280-669398/2-B	Lab Control Sample	Dissolved	Water	3005A	669398
LCS 280-669398/2-C	Lab Control Sample	Dissolved	Water	3005A	669398

Filtration Batch: 669879

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-197342-1	BMW-1	Dissolved	Water	Filtration	
280-197342-2	PZ-4	Dissolved	Water	Filtration	
280-197342-3	LM-MW-3	Dissolved	Water	Filtration	
280-197342-4	MW-13	Dissolved	Water	Filtration	
280-197342-5	MW-13A	Dissolved	Water	Filtration	
280-197342-6	MA1TMW-4	Dissolved	Water	Filtration	
280-197342-7	LM-MW-2	Dissolved	Water	Filtration	
MB 280-669879/1-B	Method Blank	Dissolved	Water	FILTRATION	
LCS 280-669879/2-B	Lab Control Sample	Dissolved	Water	FILTRATION	
280-197342-1 MS	BMW-1	Dissolved	Water	Filtration	
280-197342-1 MSD	BMW-1	Dissolved	Water	Filtration	

Analysis Batch: 669920

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-197342-1	BMW-1	Dissolved	Water	6010D	669449
280-197342-2	PZ-4	Dissolved	Water	6010D	669449
280-197342-3	LM-MW-3	Dissolved	Water	6010D	669449
280-197342-4	MW-13	Dissolved	Water	6010D	669449
280-197342-5	MW-13A	Dissolved	Water	6010D	669449
280-197342-6	MA1TMW-4	Dissolved	Water	6010D	669449
280-197342-7	LM-MW-2	Dissolved	Water	6010D	669449
MB 280-669398/1-B	Method Blank	Dissolved	Water	6010D	669449
LCS 280-669398/2-B	Lab Control Sample	Dissolved	Water	6010D	669449

Metals

Analysis Batch: 670032

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-197342-1	BMW-1	Dissolved	Water	6020B	669449
280-197342-2	PZ-4	Dissolved	Water	6020B	669449
280-197342-3	LM-MW-3	Dissolved	Water	6020B	669449
280-197342-4	MW-13	Dissolved	Water	6020B	669449
280-197342-5	MW-13A	Dissolved	Water	6020B	669449
280-197342-6	MA1TMW-4	Dissolved	Water	6020B	669449
280-197342-7	LM-MW-2	Dissolved	Water	6020B	669449
MB 280-669398/1-B	Method Blank	Dissolved	Water	6020B	669449
LCS 280-669398/2-C	Lab Control Sample	Dissolved	Water	6020B	669449

Analysis Batch: 670099

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-197342-1	BMW-1	Dissolved	Water	6010D	669449
280-197342-2	PZ-4	Dissolved	Water	6010D	669449
280-197342-3	LM-MW-3	Dissolved	Water	6010D	669449
280-197342-4	MW-13	Dissolved	Water	6010D	669449
280-197342-5	MW-13A	Dissolved	Water	6010D	669449
280-197342-6	MA1TMW-4	Dissolved	Water	6010D	669449
280-197342-7	LM-MW-2	Dissolved	Water	6010D	669449
MB 280-669398/1-B	Method Blank	Dissolved	Water	6010D	669449
LCS 280-669398/2-B	Lab Control Sample	Dissolved	Water	6010D	669449

Prep Batch: 670170

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-197342-1	BMW-1	Dissolved	Water	7470A	669879
280-197342-2	PZ-4	Dissolved	Water	7470A	669879
280-197342-3	LM-MW-3	Dissolved	Water	7470A	669879
280-197342-4	MW-13	Dissolved	Water	7470A	669879
280-197342-5	MW-13A	Dissolved	Water	7470A	669879
280-197342-6	MA1TMW-4	Dissolved	Water	7470A	669879
280-197342-7	LM-MW-2	Dissolved	Water	7470A	669879
MB 280-669879/1-B	Method Blank	Dissolved	Water	7470A	669879
LCS 280-669879/2-B	Lab Control Sample	Dissolved	Water	7470A	669879
280-197342-1 MS	BMW-1	Dissolved	Water	7470A	669879
280-197342-1 MSD	BMW-1	Dissolved	Water	7470A	669879

Analysis Batch: 670248

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-197342-1	BMW-1	Dissolved	Water	6020B	669449
280-197342-2	PZ-4	Dissolved	Water	6020B	669449
280-197342-3	LM-MW-3	Dissolved	Water	6020B	669449
280-197342-4	MW-13	Dissolved	Water	6020B	669449
280-197342-5	MW-13A	Dissolved	Water	6020B	669449
280-197342-6	MA1TMW-4	Dissolved	Water	6020B	669449
280-197342-7	LM-MW-2	Dissolved	Water	6020B	669449
MB 280-669398/1-B	Method Blank	Dissolved	Water	6020B	669449
LCS 280-669398/2-C	Lab Control Sample	Dissolved	Water	6020B	669449

Analysis Batch: 670363

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-197342-1	BMW-1	Dissolved	Water	7470A	670170

Metals (Continued)

Analysis Batch: 670363 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-197342-2	PZ-4	Dissolved	Water	7470A	670170
280-197342-3	LM-MW-3	Dissolved	Water	7470A	670170
280-197342-4	MW-13	Dissolved	Water	7470A	670170
280-197342-5	MW-13A	Dissolved	Water	7470A	670170
280-197342-6	MA1TMW-4	Dissolved	Water	7470A	670170
280-197342-7	LM-MW-2	Dissolved	Water	7470A	670170
MB 280-669879/1-B	Method Blank	Dissolved	Water	7470A	670170
LCS 280-669879/2-B	Lab Control Sample	Dissolved	Water	7470A	670170
280-197342-1 MS	BMW-1	Dissolved	Water	7470A	670170
280-197342-1 MSD	BMW-1	Dissolved	Water	7470A	670170

Filtration Batch: 671071

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-197342-1	BMW-1	Dissolved	Water	Filtration	
280-197342-2	PZ-4	Dissolved	Water	Filtration	
280-197342-3	LM-MW-3	Dissolved	Water	Filtration	
280-197342-4	MW-13	Dissolved	Water	Filtration	
280-197342-5	MW-13A	Dissolved	Water	Filtration	
280-197342-6	MA1TMW-4	Dissolved	Water	Filtration	
280-197342-7	LM-MW-2	Dissolved	Water	Filtration	
MB 280-671071/1-B	Method Blank	Dissolved	Water	Filtration	
LCS 280-671071/2-B	Lab Control Sample	Dissolved	Water	Filtration	
280-197342-1 MS	BMW-1	Dissolved	Water	Filtration	
280-197342-1 MSD	BMW-1	Dissolved	Water	Filtration	

Prep Batch: 671078

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-197342-1	BMW-1	Dissolved	Water	3005A	671071
280-197342-2	PZ-4	Dissolved	Water	3005A	671071
280-197342-3	LM-MW-3	Dissolved	Water	3005A	671071
280-197342-4	MW-13	Dissolved	Water	3005A	671071
280-197342-5	MW-13A	Dissolved	Water	3005A	671071
280-197342-6	MA1TMW-4	Dissolved	Water	3005A	671071
280-197342-7	LM-MW-2	Dissolved	Water	3005A	671071
MB 280-671071/1-B	Method Blank	Dissolved	Water	3005A	671071
LCS 280-671071/2-B	Lab Control Sample	Dissolved	Water	3005A	671071
280-197342-1 MS	BMW-1	Dissolved	Water	3005A	671071
280-197342-1 MSD	BMW-1	Dissolved	Water	3005A	671071

Analysis Batch: 671431

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-197342-1	BMW-1	Dissolved	Water	6020B	671078
280-197342-2	PZ-4	Dissolved	Water	6020B	671078
280-197342-3	LM-MW-3	Dissolved	Water	6020B	671078
280-197342-4	MW-13	Dissolved	Water	6020B	671078
280-197342-5	MW-13A	Dissolved	Water	6020B	671078
280-197342-6	MA1TMW-4	Dissolved	Water	6020B	671078
280-197342-7	LM-MW-2	Dissolved	Water	6020B	671078
MB 280-671071/1-B	Method Blank	Dissolved	Water	6020B	671078
LCS 280-671071/2-B	Lab Control Sample	Dissolved	Water	6020B	671078
280-197342-1 MS	BMW-1	Dissolved	Water	6020B	671078

Metals (Continued)

Analysis Batch: 671431 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-197342-1 MSD	BMW-1	Dissolved	Water	6020B	671078

Analysis Batch: 671465

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-197342-5	MW-13A	Dissolved	Water	6020B	671078
280-197342-6	MA1TMW-4	Dissolved	Water	6020B	671078
280-197342-7	LM-MW-2	Dissolved	Water	6020B	671078

General Chemistry

Analysis Batch: 560613

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-197342-1	BMW-1	Total/NA	Water	OIA-1677	
280-197342-2	PZ-4	Total/NA	Water	OIA-1677	
280-197342-3	LM-MW-3	Total/NA	Water	OIA-1677	
280-197342-4	MW-13	Total/NA	Water	OIA-1677	
280-197342-5	MW-13A	Total/NA	Water	OIA-1677	
280-197342-6	MA1TMW-4	Total/NA	Water	OIA-1677	
280-197342-7	LM-MW-2	Total/NA	Water	OIA-1677	
MB 410-560613/17	Method Blank	Total/NA	Water	OIA-1677	
MB 410-560613/33	Method Blank	Total/NA	Water	OIA-1677	
MB 410-560613/49	Method Blank	Total/NA	Water	OIA-1677	
LCS 410-560613/32	Lab Control Sample	Total/NA	Water	OIA-1677	
LCS 410-560613/48	Lab Control Sample	Total/NA	Water	OIA-1677	
280-197342-7 MS	LM-MW-2	Total/NA	Water	OIA-1677	
280-197342-7 MSD	LM-MW-2	Total/NA	Water	OIA-1677	

Analysis Batch: 669292

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-197342-1	BMW-1	Total/NA	Water	300.0	
280-197342-2	PZ-4	Total/NA	Water	300.0	
280-197342-3	LM-MW-3	Total/NA	Water	300.0	
280-197342-4	MW-13	Total/NA	Water	300.0	
280-197342-5	MW-13A	Total/NA	Water	300.0	
280-197342-6	MA1TMW-4	Total/NA	Water	300.0	
280-197342-7	LM-MW-2	Total/NA	Water	300.0	
MB 280-669292/6	Method Blank	Total/NA	Water	300.0	
LCS 280-669292/4	Lab Control Sample	Total/NA	Water	300.0	
LCSD 280-669292/5	Lab Control Sample Dup	Total/NA	Water	300.0	
MRL 280-669292/3	Lab Control Sample	Total/NA	Water	300.0	
280-197342-5 MS	MW-13A	Total/NA	Water	300.0	
280-197342-5 MSD	MW-13A	Total/NA	Water	300.0	
280-197342-5 DU	MW-13A	Total/NA	Water	300.0	

Analysis Batch: 669293

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-197342-1	BMW-1	Dissolved	Water	300.0	669859
280-197342-2	PZ-4	Dissolved	Water	300.0	669859
280-197342-3	LM-MW-3	Dissolved	Water	300.0	669859
280-197342-4	MW-13	Dissolved	Water	300.0	669859
280-197342-5	MW-13A	Dissolved	Water	300.0	669859

General Chemistry (Continued)

Analysis Batch: 669293 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-197342-6	MA1TMW-4	Dissolved	Water	300.0	669859
280-197342-7	LM-MW-2	Dissolved	Water	300.0	669859
MB 280-669293/6	Method Blank	Total/NA	Water	300.0	
LCS 280-669293/4	Lab Control Sample	Total/NA	Water	300.0	
LCSD 280-669293/5	Lab Control Sample Dup	Total/NA	Water	300.0	
MRL 280-669293/3	Lab Control Sample	Total/NA	Water	300.0	
280-197342-5 MS	MW-13A	Dissolved	Water	300.0	669859
280-197342-5 MSD	MW-13A	Dissolved	Water	300.0	669859
280-197342-5 DU	MW-13A	Dissolved	Water	300.0	669859

Analysis Batch: 669330

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 280-669330/6	Method Blank	Total/NA	Water	300.0	
LCS 280-669330/4	Lab Control Sample	Total/NA	Water	300.0	
LCSD 280-669330/5	Lab Control Sample Dup	Total/NA	Water	300.0	
MRL 280-669330/3	Lab Control Sample	Total/NA	Water	300.0	

Analysis Batch: 669427

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-197342-1	BMW-1	Total/NA	Water	SM 2540C	
280-197342-2	PZ-4	Total/NA	Water	SM 2540C	
280-197342-3	LM-MW-3	Total/NA	Water	SM 2540C	
280-197342-4	MW-13	Total/NA	Water	SM 2540C	
280-197342-5	MW-13A	Total/NA	Water	SM 2540C	
280-197342-6	MA1TMW-4	Total/NA	Water	SM 2540C	
280-197342-7	LM-MW-2	Total/NA	Water	SM 2540C	
MB 280-669427/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 280-669427/2	Lab Control Sample	Total/NA	Water	SM 2540C	
280-197342-7 DU	LM-MW-2	Total/NA	Water	SM 2540C	

Analysis Batch: 669634

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-197342-1	BMW-1	Total/NA	Water	353.2	
280-197342-2	PZ-4	Total/NA	Water	353.2	
280-197342-3	LM-MW-3	Total/NA	Water	353.2	
280-197342-4	MW-13	Total/NA	Water	353.2	
280-197342-5	MW-13A	Total/NA	Water	353.2	
280-197342-6	MA1TMW-4	Total/NA	Water	353.2	
280-197342-7	LM-MW-2	Total/NA	Water	353.2	
MB 280-669634/20	Method Blank	Total/NA	Water	353.2	
LCS 280-669634/18	Lab Control Sample	Total/NA	Water	353.2	
LCSD 280-669634/19	Lab Control Sample Dup	Total/NA	Water	353.2	

Analysis Batch: 669803

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-197342-3	LM-MW-3	Dissolved	Water	300.0	669859
280-197342-4	MW-13	Dissolved	Water	300.0	669859
280-197342-5	MW-13A	Dissolved	Water	300.0	669859
280-197342-7	LM-MW-2	Dissolved	Water	300.0	669859
MB 280-669803/6	Method Blank	Total/NA	Water	300.0	
LCS 280-669803/4	Lab Control Sample	Total/NA	Water	300.0	

General Chemistry (Continued)

Analysis Batch: 669803 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 280-669803/5	Lab Control Sample Dup	Total/NA	Water	300.0	
MRL 280-669803/3	Lab Control Sample	Total/NA	Water	300.0	

Filtration Batch: 669859

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-197342-1	BMW-1	Dissolved	Water	FILTRATION	
280-197342-2	PZ-4	Dissolved	Water	FILTRATION	
280-197342-3	LM-MW-3	Dissolved	Water	FILTRATION	
280-197342-4	MW-13	Dissolved	Water	FILTRATION	
280-197342-5	MW-13A	Dissolved	Water	FILTRATION	
280-197342-6	MA1TMW-4	Dissolved	Water	FILTRATION	
280-197342-7	LM-MW-2	Dissolved	Water	FILTRATION	
280-197342-5 MS	MW-13A	Dissolved	Water	FILTRATION	
280-197342-5 MSD	MW-13A	Dissolved	Water	FILTRATION	
280-197342-5 DU	MW-13A	Dissolved	Water	FILTRATION	

Analysis Batch: 669991

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-197342-4	MW-13	Dissolved	Water	300.0	669859
MRL 280-669991/3	Lab Control Sample	Total/NA	Water	300.0	

Lab Chronicle

Client: Union Milling Company
Project/Site: Leadville Mill, CO

Job ID: 280-197342-1

Client Sample ID: BMW-1

Date Collected: 09/30/24 10:00
Date Received: 10/01/24 10:01

Lab Sample ID: 280-197342-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Filtration	Filtration			50 mL	50 mL	669398	10/01/24 19:45	AMH	EET DEN
Dissolved	Prep	3005A			50 mL	50 mL	669449	10/03/24 14:55	SLH	EET DEN
Dissolved	Analysis	6010D		1			669920	10/04/24 20:51	NKC	EET DEN
Dissolved	Filtration	Filtration			50 mL	50 mL	669398	10/01/24 19:45	AMH	EET DEN
Dissolved	Prep	3005A			50 mL	50 mL	669449	10/03/24 14:55	SLH	EET DEN
Dissolved	Analysis	6010D		1			670099	10/07/24 22:13	NKC	EET DEN
Dissolved	Filtration	Filtration			50 mL	50 mL	669398	10/01/24 19:45	AMH	EET DEN
Dissolved	Prep	3005A			50 mL	50 mL	669449	10/03/24 14:55	SLH	EET DEN
Dissolved	Analysis	6020B		1			670032	10/04/24 19:57	ADL	EET DEN
Dissolved	Filtration	Filtration			50 mL	50 mL	669398	10/01/24 19:45	AMH	EET DEN
Dissolved	Prep	3005A			50 mL	50 mL	669449	10/03/24 14:55	SLH	EET DEN
Dissolved	Analysis	6020B		1			670248	10/08/24 17:59	LMT	EET DEN
Dissolved	Filtration	Filtration			50 mL	50 mL	671071	10/15/24 11:06	SLH	EET DEN
Dissolved	Prep	3005A			50 mL	50 mL	671078	10/16/24 14:56	SLH	EET DEN
Dissolved	Analysis	6020B		1			671431	10/17/24 08:15	LMT	EET DEN
Dissolved	Filtration	Filtration			30 mL	30 mL	669879	10/04/24 15:48	CAF	EET DEN
Dissolved	Prep	7470A			30 mL	50 mL	670170	10/08/24 17:11	AES	EET DEN
Dissolved	Analysis	7470A		1			670363	10/08/24 23:49	AES	EET DEN
Dissolved	Analysis	300.0		1	10 mL	10 mL	669293	10/01/24 18:29	IRC	EET DEN
Dissolved	Filtration	FILTRATION			10 mL	10 mL	669859	10/04/24 13:20	IRC	EET DEN
Total/NA	Analysis	300.0		1	10 mL	10 mL	669292	10/01/24 18:29	IRC	EET DEN
Total/NA	Analysis	353.2		1	100 mL	100 mL	669634	10/02/24 12:30	AKF	EET DEN
Total/NA	Analysis	OIA-1677		1			560613	10/07/24 18:11	UJE2	ELLE
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	669427	10/02/24 08:48	BRD	EET DEN

Client Sample ID: PZ-4

Date Collected: 09/30/24 11:00
Date Received: 10/01/24 10:01

Lab Sample ID: 280-197342-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Filtration	Filtration			50 mL	50 mL	669398	10/01/24 19:45	AMH	EET DEN
Dissolved	Prep	3005A			50 mL	50 mL	669449	10/03/24 14:55	SLH	EET DEN
Dissolved	Analysis	6010D		1			669920	10/04/24 20:56	NKC	EET DEN
Dissolved	Filtration	Filtration			50 mL	50 mL	669398	10/01/24 19:45	AMH	EET DEN
Dissolved	Prep	3005A			50 mL	50 mL	669449	10/03/24 14:55	SLH	EET DEN
Dissolved	Analysis	6010D		1			670099	10/07/24 22:17	NKC	EET DEN
Dissolved	Filtration	Filtration			50 mL	50 mL	669398	10/01/24 19:45	AMH	EET DEN
Dissolved	Prep	3005A			50 mL	50 mL	669449	10/03/24 14:55	SLH	EET DEN
Dissolved	Analysis	6020B		1			670032	10/04/24 19:59	ADL	EET DEN
Dissolved	Filtration	Filtration			50 mL	50 mL	669398	10/01/24 19:45	AMH	EET DEN
Dissolved	Prep	3005A			50 mL	50 mL	669449	10/03/24 14:55	SLH	EET DEN
Dissolved	Analysis	6020B		1			670248	10/08/24 18:01	LMT	EET DEN
Dissolved	Filtration	Filtration			50 mL	50 mL	671071	10/15/24 11:06	SLH	EET DEN
Dissolved	Prep	3005A			50 mL	50 mL	671078	10/16/24 14:56	SLH	EET DEN
Dissolved	Analysis	6020B		1			671431	10/17/24 08:27	LMT	EET DEN

Lab Chronicle

Client: Union Milling Company
Project/Site: Leadville Mill, CO

Job ID: 280-197342-1

Client Sample ID: PZ-4

Date Collected: 09/30/24 11:00
Date Received: 10/01/24 10:01

Lab Sample ID: 280-197342-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Filtration	Filtration			30 mL	30 mL	669879	10/04/24 15:48	CAF	EET DEN
Dissolved	Prep	7470A			30 mL	50 mL	670170	10/08/24 17:11	AES	EET DEN
Dissolved	Analysis	7470A		1			670363	10/08/24 23:57	AES	EET DEN
Dissolved	Analysis	300.0		1	10 mL	10 mL	669293	10/01/24 19:20	IRC	EET DEN
Dissolved	Filtration	FILTRATION			10 mL	10 mL	669859	10/04/24 13:20	IRC	EET DEN
Total/NA	Analysis	300.0		1	10 mL	10 mL	669292	10/01/24 19:20	IRC	EET DEN
Total/NA	Analysis	353.2		1	100 mL	100 mL	669634	10/02/24 12:31	AKF	EET DEN
Total/NA	Analysis	OIA-1677		1			560613	10/07/24 18:14	UJE2	ELLE
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	669427	10/02/24 08:48	BRD	EET DEN

Client Sample ID: LM-MW-3

Date Collected: 09/30/24 12:15
Date Received: 10/01/24 10:01

Lab Sample ID: 280-197342-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Filtration	Filtration			50 mL	50 mL	669398	10/01/24 19:45	AMH	EET DEN
Dissolved	Prep	3005A			50 mL	50 mL	669449	10/03/24 14:55	SLH	EET DEN
Dissolved	Analysis	6010D		1			669920	10/04/24 21:00	NKC	EET DEN
Dissolved	Filtration	Filtration			50 mL	50 mL	669398	10/01/24 19:45	AMH	EET DEN
Dissolved	Prep	3005A			50 mL	50 mL	669449	10/03/24 14:55	SLH	EET DEN
Dissolved	Analysis	6010D		1			670099	10/07/24 22:21	NKC	EET DEN
Dissolved	Filtration	Filtration			50 mL	50 mL	669398	10/01/24 19:45	AMH	EET DEN
Dissolved	Prep	3005A			50 mL	50 mL	669449	10/03/24 14:55	SLH	EET DEN
Dissolved	Analysis	6020B		1			670032	10/04/24 20:02	ADL	EET DEN
Dissolved	Filtration	Filtration			50 mL	50 mL	669398	10/01/24 19:45	AMH	EET DEN
Dissolved	Prep	3005A			50 mL	50 mL	669449	10/03/24 14:55	SLH	EET DEN
Dissolved	Analysis	6020B		1			670248	10/08/24 18:04	LMT	EET DEN
Dissolved	Filtration	Filtration			50 mL	50 mL	671071	10/15/24 11:06	SLH	EET DEN
Dissolved	Prep	3005A			50 mL	50 mL	671078	10/16/24 14:56	SLH	EET DEN
Dissolved	Analysis	6020B		1			671431	10/17/24 08:29	LMT	EET DEN
Dissolved	Filtration	Filtration			30 mL	30 mL	669879	10/04/24 15:48	CAF	EET DEN
Dissolved	Prep	7470A			30 mL	50 mL	670170	10/08/24 17:11	AES	EET DEN
Dissolved	Analysis	7470A		1			670363	10/09/24 00:00	AES	EET DEN
Dissolved	Analysis	300.0		1	10 mL	10 mL	669293	10/01/24 19:37	IRC	EET DEN
Dissolved	Filtration	FILTRATION			10 mL	10 mL	669859	10/04/24 13:20	IRC	EET DEN
Dissolved	Filtration	FILTRATION			10 mL	10 mL	669859	10/04/24 13:20	IRC	EET DEN
Dissolved	Analysis	300.0		5	10 mL	10 mL	669803	10/05/24 01:19	IRC	EET DEN
Total/NA	Analysis	300.0		1	10 mL	10 mL	669292	10/01/24 19:37	IRC	EET DEN
Total/NA	Analysis	353.2		2	100 mL	100 mL	669634	10/02/24 12:32	AKF	EET DEN
Total/NA	Analysis	OIA-1677		1			560613	10/07/24 18:16	UJE2	ELLE
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	669427	10/02/24 08:48	BRD	EET DEN

Client Sample ID: MW-13

Date Collected: 09/30/24 13:30
Date Received: 10/01/24 10:01

Lab Sample ID: 280-197342-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Filtration	Filtration			50 mL	50 mL	669398	10/01/24 19:45	AMH	EET DEN
Dissolved	Prep	3005A			50 mL	50 mL	669449	10/03/24 14:55	SLH	EET DEN
Dissolved	Analysis	6010D		1			669920	10/04/24 21:04	NKC	EET DEN
Dissolved	Filtration	Filtration			50 mL	50 mL	669398	10/01/24 19:45	AMH	EET DEN
Dissolved	Prep	3005A			50 mL	50 mL	669449	10/03/24 14:55	SLH	EET DEN
Dissolved	Analysis	6010D		1			670099	10/07/24 22:25	NKC	EET DEN
Dissolved	Filtration	Filtration			50 mL	50 mL	669398	10/01/24 19:45	AMH	EET DEN
Dissolved	Prep	3005A			50 mL	50 mL	669449	10/03/24 14:55	SLH	EET DEN
Dissolved	Analysis	6020B		1			670032	10/04/24 20:04	ADL	EET DEN
Dissolved	Filtration	Filtration			50 mL	50 mL	669398	10/01/24 19:45	AMH	EET DEN
Dissolved	Prep	3005A			50 mL	50 mL	669449	10/03/24 14:55	SLH	EET DEN
Dissolved	Analysis	6020B		1			670248	10/08/24 18:06	LMT	EET DEN
Dissolved	Filtration	Filtration			50 mL	50 mL	671071	10/15/24 11:06	SLH	EET DEN
Dissolved	Prep	3005A			50 mL	50 mL	671078	10/16/24 14:56	SLH	EET DEN
Dissolved	Analysis	6020B		1			671431	10/17/24 08:32	LMT	EET DEN
Dissolved	Filtration	Filtration			30 mL	30 mL	669879	10/04/24 15:48	CAF	EET DEN
Dissolved	Prep	7470A			30 mL	50 mL	670170	10/08/24 17:11	AES	EET DEN
Dissolved	Analysis	7470A		1			670363	10/09/24 00:02	AES	EET DEN
Dissolved	Analysis	300.0		1	10 mL	10 mL	669293	10/01/24 20:28	IRC	EET DEN
Dissolved	Filtration	FILTRATION			10 mL	10 mL	669859	10/04/24 13:20	IRC	EET DEN
Dissolved	Filtration	FILTRATION			10 mL	10 mL	669859	10/04/24 13:20	IRC	EET DEN
Dissolved	Analysis	300.0		5	10 mL	10 mL	669991	10/07/24 19:40	IRC	EET DEN
Dissolved	Filtration	FILTRATION			10 mL	10 mL	669859	10/04/24 13:20	IRC	EET DEN
Dissolved	Analysis	300.0		1	10 mL	10 mL	669803	10/05/24 01:30	IRC	EET DEN
Total/NA	Analysis	300.0		1	10 mL	10 mL	669292	10/01/24 20:28	IRC	EET DEN
Total/NA	Analysis	353.2		1	100 mL	100 mL	669634	10/02/24 12:33	AKF	EET DEN
Total/NA	Analysis	OIA-1677		1			560613	10/07/24 18:19	UJE2	ELLE
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	669427	10/02/24 08:48	BRD	EET DEN

Client Sample ID: MW-13A

Date Collected: 09/30/24 14:30
Date Received: 10/01/24 10:01

Lab Sample ID: 280-197342-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Filtration	Filtration			50 mL	50 mL	669398	10/01/24 19:45	AMH	EET DEN
Dissolved	Prep	3005A			50 mL	50 mL	669449	10/03/24 14:55	SLH	EET DEN
Dissolved	Analysis	6010D		1			669920	10/04/24 21:08	NKC	EET DEN
Dissolved	Filtration	Filtration			50 mL	50 mL	669398	10/01/24 19:45	AMH	EET DEN
Dissolved	Prep	3005A			50 mL	50 mL	669449	10/03/24 14:55	SLH	EET DEN
Dissolved	Analysis	6010D		1			670099	10/07/24 22:28	NKC	EET DEN
Dissolved	Filtration	Filtration			50 mL	50 mL	669398	10/01/24 19:45	AMH	EET DEN
Dissolved	Prep	3005A			50 mL	50 mL	669449	10/03/24 14:55	SLH	EET DEN
Dissolved	Analysis	6020B		1			670032	10/04/24 20:06	ADL	EET DEN

Client Sample ID: MW-13A

Lab Sample ID: 280-197342-5

Date Collected: 09/30/24 14:30

Matrix: Water

Date Received: 10/01/24 10:01

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Filtration	Filtration			50 mL	50 mL	669398	10/01/24 19:45	AMH	EET DEN
Dissolved	Prep	3005A			50 mL	50 mL	669449	10/03/24 14:55	SLH	EET DEN
Dissolved	Analysis	6020B		1			670248	10/08/24 18:09	LMT	EET DEN
Dissolved	Filtration	Filtration			50 mL	50 mL	671071	10/15/24 11:06	SLH	EET DEN
Dissolved	Prep	3005A			50 mL	50 mL	671078	10/16/24 14:56	SLH	EET DEN
Dissolved	Analysis	6020B		1			671431	10/17/24 08:39	LMT	EET DEN
Dissolved	Filtration	Filtration			50 mL	50 mL	671071	10/15/24 11:06	SLH	EET DEN
Dissolved	Prep	3005A			50 mL	50 mL	671078	10/16/24 14:56	SLH	EET DEN
Dissolved	Analysis	6020B		10			671465	10/17/24 13:23	LMT	EET DEN
Dissolved	Filtration	Filtration			30 mL	30 mL	669879	10/04/24 15:48	CAF	EET DEN
Dissolved	Prep	7470A			30 mL	50 mL	670170	10/08/24 17:11	AES	EET DEN
Dissolved	Analysis	7470A		1			670363	10/09/24 00:05	AES	EET DEN
Dissolved	Analysis	300.0		1	10 mL	10 mL	669293	10/01/24 20:45	IRC	EET DEN
Dissolved	Filtration	FILTRATION			10 mL	10 mL	669859	10/04/24 13:20	IRC	EET DEN
Dissolved	Filtration	FILTRATION			10 mL	10 mL	669859	10/04/24 13:20	IRC	EET DEN
Dissolved	Analysis	300.0		5	10 mL	10 mL	669803	10/05/24 01:52	IRC	EET DEN
Total/NA	Analysis	300.0		1	10 mL	10 mL	669292	10/01/24 20:45	IRC	EET DEN
Total/NA	Analysis	353.2		1	100 mL	100 mL	669634	10/02/24 12:35	AKF	EET DEN
Total/NA	Analysis	OIA-1677		1			560613	10/07/24 18:21	UJE2	ELLE
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	669427	10/02/24 08:48	BRD	EET DEN

Client Sample ID: MA1TMW-4

Lab Sample ID: 280-197342-6

Date Collected: 09/30/24 17:30

Matrix: Water

Date Received: 10/01/24 10:01

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Filtration	Filtration			50 mL	50 mL	669398	10/01/24 19:45	AMH	EET DEN
Dissolved	Prep	3005A			50 mL	50 mL	669449	10/03/24 14:55	SLH	EET DEN
Dissolved	Analysis	6010D		1			669920	10/04/24 21:12	NKC	EET DEN
Dissolved	Filtration	Filtration			50 mL	50 mL	669398	10/01/24 19:45	AMH	EET DEN
Dissolved	Prep	3005A			50 mL	50 mL	669449	10/03/24 14:55	SLH	EET DEN
Dissolved	Analysis	6010D		1			670099	10/07/24 22:32	NKC	EET DEN
Dissolved	Filtration	Filtration			50 mL	50 mL	669398	10/01/24 19:45	AMH	EET DEN
Dissolved	Prep	3005A			50 mL	50 mL	669449	10/03/24 14:55	SLH	EET DEN
Dissolved	Analysis	6020B		1			670032	10/04/24 20:09	ADL	EET DEN
Dissolved	Filtration	Filtration			50 mL	50 mL	669398	10/01/24 19:45	AMH	EET DEN
Dissolved	Prep	3005A			50 mL	50 mL	669449	10/03/24 14:55	SLH	EET DEN
Dissolved	Analysis	6020B		1			670248	10/08/24 18:11	LMT	EET DEN
Dissolved	Filtration	Filtration			50 mL	50 mL	671071	10/15/24 11:07	SLH	EET DEN
Dissolved	Prep	3005A			50 mL	50 mL	671078	10/16/24 14:56	SLH	EET DEN
Dissolved	Analysis	6020B		1			671431	10/17/24 08:41	LMT	EET DEN
Dissolved	Filtration	Filtration			50 mL	50 mL	671071	10/15/24 11:07	SLH	EET DEN
Dissolved	Prep	3005A			50 mL	50 mL	671078	10/16/24 14:56	SLH	EET DEN
Dissolved	Analysis	6020B		1			671465	10/17/24 13:18	LMT	EET DEN

Lab Chronicle

Client: Union Milling Company
Project/Site: Leadville Mill, CO

Job ID: 280-197342-1

Client Sample ID: MA1TMW-4

Date Collected: 09/30/24 17:30
Date Received: 10/01/24 10:01

Lab Sample ID: 280-197342-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Filtration	Filtration			30 mL	30 mL	669879	10/04/24 15:48	CAF	EET DEN
Dissolved	Prep	7470A			30 mL	50 mL	670170	10/08/24 17:11	AES	EET DEN
Dissolved	Analysis	7470A		1			670363	10/09/24 00:07	AES	EET DEN
Dissolved	Analysis	300.0		1	10 mL	10 mL	669293	10/01/24 21:53	IRC	EET DEN
Dissolved	Filtration	FILTRATION			10 mL	10 mL	669859	10/04/24 13:20	IRC	EET DEN
Total/NA	Analysis	300.0		1	10 mL	10 mL	669292	10/01/24 21:53	IRC	EET DEN
Total/NA	Analysis	353.2		1	100 mL	100 mL	669634	10/02/24 12:36	AKF	EET DEN
Total/NA	Analysis	OIA-1677		1			560613	10/07/24 18:24	UJE2	ELLE
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	669427	10/02/24 08:48	BRD	EET DEN

Client Sample ID: LM-MW-2

Date Collected: 09/30/24 18:30
Date Received: 10/01/24 10:01

Lab Sample ID: 280-197342-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Filtration	Filtration			50 mL	50 mL	669398	10/01/24 19:45	AMH	EET DEN
Dissolved	Prep	3005A			50 mL	50 mL	669449	10/03/24 14:55	SLH	EET DEN
Dissolved	Analysis	6010D		1			669920	10/04/24 21:16	NKC	EET DEN
Dissolved	Filtration	Filtration			50 mL	50 mL	669398	10/01/24 19:45	AMH	EET DEN
Dissolved	Prep	3005A			50 mL	50 mL	669449	10/03/24 14:55	SLH	EET DEN
Dissolved	Analysis	6010D		1			670099	10/07/24 22:36	NKC	EET DEN
Dissolved	Filtration	Filtration			50 mL	50 mL	669398	10/01/24 19:45	AMH	EET DEN
Dissolved	Prep	3005A			50 mL	50 mL	669449	10/03/24 14:55	SLH	EET DEN
Dissolved	Analysis	6020B		1			670032	10/04/24 20:11	ADL	EET DEN
Dissolved	Filtration	Filtration			50 mL	50 mL	669398	10/01/24 19:45	AMH	EET DEN
Dissolved	Prep	3005A			50 mL	50 mL	669449	10/03/24 14:55	SLH	EET DEN
Dissolved	Analysis	6020B		1			670248	10/08/24 18:13	LMT	EET DEN
Dissolved	Filtration	Filtration			50 mL	50 mL	671071	10/15/24 11:07	SLH	EET DEN
Dissolved	Prep	3005A			50 mL	50 mL	671078	10/16/24 14:56	SLH	EET DEN
Dissolved	Analysis	6020B		1			671431	10/17/24 08:43	LMT	EET DEN
Dissolved	Filtration	Filtration			50 mL	50 mL	671071	10/15/24 11:07	SLH	EET DEN
Dissolved	Prep	3005A			50 mL	50 mL	671078	10/16/24 14:56	SLH	EET DEN
Dissolved	Analysis	6020B		1			671465	10/17/24 13:21	LMT	EET DEN
Dissolved	Filtration	Filtration			30 mL	30 mL	669879	10/04/24 15:48	CAF	EET DEN
Dissolved	Prep	7470A			30 mL	50 mL	670170	10/08/24 17:11	AES	EET DEN
Dissolved	Analysis	7470A		1			670363	10/09/24 00:15	AES	EET DEN
Dissolved	Analysis	300.0		1	10 mL	10 mL	669293	10/01/24 22:10	IRC	EET DEN
Dissolved	Filtration	FILTRATION			10 mL	10 mL	669859	10/04/24 13:20	IRC	EET DEN
Dissolved	Filtration	FILTRATION			10 mL	10 mL	669859	10/04/24 13:20	IRC	EET DEN
Dissolved	Analysis	300.0		5	10 mL	10 mL	669803	10/05/24 02:03	IRC	EET DEN
Total/NA	Analysis	300.0		1	10 mL	10 mL	669292	10/01/24 22:10	IRC	EET DEN
Total/NA	Analysis	353.2		1	100 mL	100 mL	669634	10/02/24 12:48	AKF	EET DEN
Total/NA	Analysis	OIA-1677		1			560613	10/07/24 18:36	UJE2	ELLE
Total/NA	Analysis	SM 2540C		1	50 mL	100 mL	669427	10/02/24 08:48	BRD	EET DEN

Client: Union Milling Company
Project/Site: Leadville Mill, CO

Job ID: 280-197342-1

Laboratory References:

EET DEN = Eurofins Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Accreditation/Certification Summary

Client: Union Milling Company
Project/Site: Leadville Mill, CO

Job ID: 280-197342-1

Laboratory: Eurofins Denver

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

Authority	Program	Identification Number	Expiration Date
A2LA	Dept. of Defense ELAP	2907.01	10-31-25
A2LA	ISO/IEC 17025	2907.01	10-31-25
Alabama	State Program	40730	09-30-12 *
Alaska (UST)	State	18-001	11-30-25
Arizona	State	AZ0713	12-20-24
Arkansas DEQ	State	19-047-0	04-21-25
California	State	2513	01-08-25
Colorado	Petroleum Storage Tank Program	4025 (or)	01-08-25
Colorado	State	CO00026	06-30-25
Connecticut	State	PH-0686	09-30-26
Florida	NELAP	E87667-57	06-30-25
Georgia	State	4025-011	01-08-25
Illinois	NELAP	2000172024-9	05-31-25
Iowa	State	370	12-01-24
Kansas	NELAP	E-10166	04-30-25
Kentucky (WW)	State	KY98047	12-31-24
Louisiana	NELAP	30785	06-30-14 *
Louisiana (All)	NELAP	30785	06-30-25
Minnesota	NELAP	1788752	12-31-24
Nevada	State	CO000262024-08	07-31-25
New Hampshire	NELAP	2053	04-28-25
New Jersey	NELAP	230001	06-30-25
New York	NELAP	59923	04-01-25
North Dakota	State	R-034	01-08-25
Oklahoma	NELAP	8614	08-31-24 *
Oregon	NELAP	4025	01-08-25
Pennsylvania	NELAP	013	07-31-25
South Carolina	State	72002001	01-08-24 *
Texas	NELAP	TX104704183-08-TX	09-30-09 *
Texas	NELAP	T104704183	09-30-25
US Fish & Wildlife	US Federal Programs	058448	07-31-25
USDA	US Federal Programs	P330-20-00065	12-19-25
Utah	NELAP	QUAN5	06-30-13 *
Utah	NELAP	CO00026	07-31-25
Virginia	NELAP	460232	06-14-25
Washington	State	C583	08-03-25
West Virginia DEP	State	354	11-30-24
Wisconsin	State	999615430	08-31-25
Wyoming (UST)	A2LA	2907.01	10-31-25

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

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

Authority	Program	Identification Number	Expiration Date
A2LA	Dept. of Defense ELAP	0001.01	10-23-24
A2LA	ISO/IEC 17025	0001.01	10-23-24
Alabama	State	43200	01-31-25
Alaska	State	PA00009	06-30-25
Alaska (UST)	State	17-027	02-28-25
Arizona	State	AZ0780	03-12-25

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

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC (Continued)

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

Authority	Program	Identification Number	Expiration Date
Arkansas DEQ	State	88-00660	08-09-25
California	State	2792	11-30-24
Colorado	State	PA00009	06-30-25
Connecticut	State	PH-0746	06-30-25
DE Haz. Subst. Cleanup Act (HSCA)	State	019-006 (PA cert)	01-31-25
Delaware (DW)	State	N/A	01-31-25
Florida	NELAP	E87997	06-30-25
Georgia (DW)	State	C048	01-31-25
Hawaii	State	N/A	01-31-25
Illinois	NELAP	200027	01-31-25
Iowa	State	361	03-01-26
Kansas	NELAP	E-10151	10-31-24
Kentucky (DW)	State	KY90088	12-31-24
Kentucky (UST)	State	0001.01	10-23-24
Kentucky (WW)	State	KY90088	12-31-24
Louisiana (All)	NELAP	02055	06-30-25
Maine	State	2019012	03-12-25
Maryland	State	100	10-21-24
Massachusetts	State	M-PA009	06-30-25
Michigan	State	9930	01-31-25
Minnesota	NELAP	042-999-487	12-31-24
Mississippi	State	023	01-31-25
Missouri	State	450	01-31-25
Montana (DW)	State	0098	01-01-25
Nebraska	State	NE-OS-32-17	01-31-25
New Hampshire	NELAP	2730	01-10-25
New Jersey	NELAP	PA011	06-30-25
New York	NELAP	10670	04-01-25
North Carolina (DW)	State	42705	07-31-25
North Carolina (WW/SW)	State	521	12-31-25
North Dakota	State	R-205	01-31-24 *
Oklahoma	NELAP	9804	08-31-24 *
Oregon	NELAP	PA200001	09-11-25
Pennsylvania	NELAP	36-00037	01-31-25
Quebec Ministry of Environment and Fight against Climate Change	PALA	507	09-16-29
Rhode Island	State	LAO00338	12-30-24
South Carolina	State	89002	01-31-25
Tennessee	State	02838	01-31-25
Texas	NELAP	T104704194-23-46	08-31-25
USDA	US Federal Programs	525-22-298-19481	10-25-25
Vermont	State	VT - 36037	10-27-24
Virginia	NELAP	460182	06-14-25
Washington	State	C457	04-11-25
West Virginia (DW)	State	9906 C	01-31-25
West Virginia DEP	State	055	07-31-25
Wyoming	State	8TMS-L	01-31-25
Wyoming (UST)	A2LA	0001.01	10-23-24

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

Eurofins Denver
4955 Yarrow Street
Arvada, CO 80002
Phone: 303-736-0100 Fax: 303-431-7171

Chain of Custody Record

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Client Information	Sampler: KLO	Lab PM: Ryan, Nicole C	Carrier Tracking No(s):	COC No: 280-143851-38812.1
Client Contact: Nick Michael	Phone: 303-726-7185	E-Mail: Nicole.Ryan@ET.eurofinsus.com	State of Origin:	Page: Page 1 of 1
Company: Union Milling Company	PWSID:			Job #:
Address: PO BOX 620490	Due Date Requested:			
City: Littleton	TAT Requested (days):			
State, Zip: CO, 80162	Compliance Project: Δ Yes Δ No			
Phone:	PO #: Purchase Order Requested			
Email: nmichael@unionmilling.com	WO #:			
Project Name: Leadville Mill, CO	Project #: 28026884			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
B - NaOH
N - None
S - H2SO4
D - HNO3
Other:

Sample Identification	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)	1677_Free - Local Method	300.0_28D - (MOD) Copy Analytes	353.2_Pres - Local Method	2540C_Calcd - Local Method	900.0 - Standard Target List	6010D, 6020B, 7470A	300_48HR - (MOD) Copy Analytes	Total Number of containers	Special Instructions/Note:
			Preservation Code:				B	N	S	N	D	N	N		
~~Poz~~ GMW-1	9/30/24	10:00	G	Water			X	X	X	X	X	X	X		
PZ-4	9/30/24	11:00	G	Water			X	X	X	X	X	X	X		
LM-MW-3	9/30/24	12:15	G	Water			X	X	X	X	X	X	X		
MW-13	9/30/24	13:30	G	Water			X	X	X	X	X	X	X		
MW-14A	9/30/24	14:30	G	Water			X	X	X	X	X	X	X		
MAIN TMW-4	9/30/24	17:30	G	Water			X	X	X	X	X	X	X		
LM-MW-2	9/30/24	18:30	G	Water			X	X	X	X	X	X	X		

280-197342 Chain of Custody

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 mo...)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Ryan Smart	10/1 9:00	AEL		10/1/24 1001	EETDEN
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	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: 0.1°C 0.1°C 0.9°C CF 0.1 IR TC

Ver: 05/06/2024

Eurofins Denver
4955 Yarrow Street
Arvada, CO 80002
Phone: 303-736-0100 Fax: 303-431-7171

Chain of Custody Record

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Client Information (Sub Contract Lab)	Sampler:	Lab PM: Ryan, Nicole C	Carrier Tracking No(s):	COC No: 280-718415.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Nicole.Ryan@ET.eurofinsus.com	State of Origin: Colorado	Page: Page 1 of 1
Company: Eurofins Lancaster Laboratories Environm		Accreditations Required (See note):		Job #: 280-197342-1
Address: 2425 New Holland Pike, ,	Due Date Requested: 10/14/2024			Preservation Codes: -
City: Lancaster	TAT Requested (days):			
State, Zip: PA, 17601				
Phone: 717-656-2300(Tel)	PO #:			
Email:	WO #:			
Project Name: Leadville Mill, CO	Project #: 28026884			
Site:	SSOW#:			Other:

Analysis Requested

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)	1677_Free	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
BMW-1 (280-197342-1)	9/30/24	10:00 Mountain	G	Water			X		
PZ-4 (280-197342-2)	9/30/24	11:00 Mountain	G	Water			X		
LM-MW-3 (280-197342-3)	9/30/24	12:15 Mountain	G	Water			X		
MW-13 (280-197342-4)	9/30/24	13:30 Mountain	G	Water			X		
MW-13A (280-197342-5)	9/30/24	14:30 Mountain	G	Water			X		
MA1TMW-4 (280-197342-6)	9/30/24	17:30 Mountain	G	Water			X		
LM-MW-2 (280-197342-7)	9/30/24	18:30 Mountain	G	Water			X		

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon our 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 TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins TestAmerica.

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

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	[illegible]	10/2/24 1500	eet dy			
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 10/3/24 1000	Company EEG

Custody Seals Intact:	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:
☒ Yes ☐ No		R: 1.7 C: 1.7

Login Sample Receipt Checklist

Client: Union Milling Company

Job Number: 280-197342-1

Login Number: 197342
List Number: 1
Creator: Roehsner, Karen P

List Source: Eurofins Denver

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?	True	
There are no discrepancies between the containers received and the COC.	False	Refer to Job Narrative for details.
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.	True	

Login Sample Receipt Checklist

Client: Union Milling Company

Job Number: 280-197342-1

Login Number: 197342
List Number: 3
Creator: Arroyo, Haley

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC
List Creation: 10/03/24 01:56 PM

Question	Answer	Comment
The cooler's custody seal is 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 acceptable,where thermal pres is required(</=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV:Container Temp acceptable,where thermal pres is required (</=6C, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	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	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
Sample custody seals are intact.	N/A	
VOA sample vials do not have headspace >6mm in diameter (none, if from WV)?	N/A	

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1 2 3 4 5 6 7 8 9 10 11 12 13 14

ANALYTICAL REPORT

PREPARED FOR

Attn: Nick Michael
Union Milling Company
PO BOX 620490
Littleton, Colorado 80162

Generated 10/29/2024 2:37:54 PM

JOB DESCRIPTION

Leadville Mill, CO

JOB NUMBER

280-197342-2

Eurofins Denver
4955 Yarrow Street
Arvada CO 80002

See page two for job notes and contact information.

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins TestAmerica Project Manager.

Authorization

Generated
10/29/2024 2:37:54 PM

Authorized for release by
Nicole Ryan, Project Manager I
Nicole.Ryan@ET.eurofinsus.com
(303)736-0100

Table of Contents

Definitions/Glossary

Client: Union Milling Company
Project/Site: Leadville Mill, CO

Job ID: 280-197342-2

Qualifiers

Rad

Qualifier	Qualifier Description
G	The Sample MDC is greater than the requested RL.
U	Result is less than the sample detection limit.

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
CFU	Colony Forming Unit
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)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
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)
TNTC	Too Numerous To Count

Job Narrative
280-197342-2

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 10/1/2024 10:01 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 0.2°C, 0.2°C and 1.0°C.

Receipt Exceptions
The sample collection time was not recorded on the two 250 mL Plastic unpreserved sample containers received for the following sample: PZ-4 (280-197342-2). Logged per the COC.

Method 900.0 - Gross Alpha and Gross Beta Radioactivity
Samples BMW-1 (280-197342-1), PZ-4 (280-197342-2), LM-MW-3 (280-197342-3), MW-13 (280-197342-4), MW-13A (280-197342-5), MA1TMW-4 (280-197342-6) and LM-MW-2 (280-197342-7) were analyzed for Gross Alpha and Gross Beta Radioactivity. The samples were prepared on 10/4/2024 and analyzed on 10/16/2024 and 10/17/2024.

GAB Prep Batch 160-682120:The following samples had a final mass above the 100 mg limit: MW-13 (280-197342-4). The according dilution is noted in the notes section of the prep worksheet and is reflected in the initial amount field.

Gross Alpha and Gross Beta 682120: The detection goal was not met for the following samples due to a reduction of the sample size attributed to high residual mass: PZ-4 (280-197342-2), LM-MW-3 (280-197342-3), MW-13 (280-197342-4), MW-13A (280-197342-5), LM-MW-2 (280-197342-7), (400-263408-P-1-A) and (400-263408-P-1-D DU). Analytical results are reported with the detection limit achieved.

Detection Summary

Client: Union Milling Company
Project/Site: Leadville Mill, CO

Job ID: 280-197342-2

Client Sample ID: BMW-1 — Lab Sample ID: 280-197342-1

No Detections.

Client Sample ID: PZ-4 — Lab Sample ID: 280-197342-2

No Detections.

Client Sample ID: LM-MW-3 — Lab Sample ID: 280-197342-3

No Detections.

Client Sample ID: MW-13 — Lab Sample ID: 280-197342-4

No Detections.

Client Sample ID: MW-13A — Lab Sample ID: 280-197342-5

No Detections.

Client Sample ID: MA1TMW-4 — Lab Sample ID: 280-197342-6

No Detections.

Client Sample ID: LM-MW-2 — Lab Sample ID: 280-197342-7

No Detections.

This Detection Summary does not include radiochemical test results.

Method Summary

Client: Union Milling Company
Project/Site: Leadville Mill, CO

Job ID: 280-197342-2

Method	Method Description	Protocol	Laboratory
900.0	Gross Alpha and Gross Beta Radioactivity	EPA	EET SL
Evaporation	Preparation, Evaporation	None	EET SL

Protocol References:

EPA = US Environmental Protection Agency

None = None

Laboratory References:

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

Sample Summary

Client: Union Milling Company
Project/Site: Leadville Mill, CO

Job ID: 280-197342-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
280-197342-1	BMW-1	Water	09/30/24 10:00	10/01/24 10:01
280-197342-2	PZ-4	Water	09/30/24 11:00	10/01/24 10:01
280-197342-3	LM-MW-3	Water	09/30/24 12:15	10/01/24 10:01
280-197342-4	MW-13	Water	09/30/24 13:30	10/01/24 10:01
280-197342-5	MW-13A	Water	09/30/24 14:30	10/01/24 10:01
280-197342-6	MA1TMW-4	Water	09/30/24 17:30	10/01/24 10:01
280-197342-7	LM-MW-2	Water	09/30/24 18:30	10/01/24 10:01

Method: EPA 900.0 - Gross Alpha and Gross Beta Radioactivity

Client Sample ID: BMW-1
Date Collected: 09/30/24 10:00
Date Received: 10/01/24 10:01

Lab Sample ID: 280-197342-1
Matrix: Water

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Gross Alpha	0.495	U	1.23	1.23	3.00	2.18	pCi/L	10/04/24 08:19	10/16/24 19:28	1
Gross Beta	**2.05**		0.807	0.833	4.00	1.12	pCi/L	10/04/24 08:19	10/16/24 19:28	1

Client Sample ID: PZ-4
Date Collected: 09/30/24 11:00
Date Received: 10/01/24 10:01

Lab Sample ID: 280-197342-2
Matrix: Water

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Gross Alpha	**15.1**	**G**	3.72	4.10	3.00	3.54	pCi/L	10/04/24 08:19	10/16/24 19:28	1
Gross Beta	**1.92**		1.03	1.04	4.00	1.38	pCi/L	10/04/24 08:19	10/16/24 19:28	1

Client Sample ID: LM-MW-3
Date Collected: 09/30/24 12:15
Date Received: 10/01/24 10:01

Lab Sample ID: 280-197342-3
Matrix: Water

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Gross Alpha	**8.52**	**G**	3.35	3.49	3.00	4.14	pCi/L	10/04/24 08:19	10/16/24 19:29	1
Gross Beta	**2.56**		1.11	1.14	4.00	1.52	pCi/L	10/04/24 08:19	10/16/24 19:29	1

Client Sample ID: MW-13
Date Collected: 09/30/24 13:30
Date Received: 10/01/24 10:01

Lab Sample ID: 280-197342-4
Matrix: Water

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Gross Alpha	1.83	U G	2.02	2.03	3.00	3.29	pCi/L	10/04/24 08:19	10/16/24 19:29	1
Gross Beta	**1.88**		1.02	1.04	4.00	1.51	pCi/L	10/04/24 08:19	10/16/24 19:29	1

Client Sample ID: MW-13A
Date Collected: 09/30/24 14:30
Date Received: 10/01/24 10:01

Lab Sample ID: 280-197342-5
Matrix: Water

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Gross Alpha	2.82	U G	3.99	4.01	3.00	6.72	pCi/L	10/04/24 08:19	10/16/24 19:29	1
Gross Beta	**2.90**		1.37	1.40	4.00	1.96	pCi/L	10/04/24 08:19	10/16/24 19:29	1

Client Sample ID: MA1TMW-4
Date Collected: 09/30/24 17:30
Date Received: 10/01/24 10:01

Lab Sample ID: 280-197342-6
Matrix: Water

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Gross Alpha	**3.45**		1.95	1.99	3.00	2.69	pCi/L	10/04/24 08:19	10/16/24 19:29	1
Gross Beta	**1.51**		0.646	0.664	4.00	0.846	pCi/L	10/04/24 08:19	10/16/24 19:29	1

Client Sample Results

Client: Union Milling Company
Project/Site: Leadville Mill, CO

Job ID: 280-197342-2

Method: EPA 900.0 - Gross Alpha and Gross Beta Radioactivity

Client Sample ID: LM-MW-2
Date Collected: 09/30/24 18:30
Date Received: 10/01/24 10:01

Lab Sample ID: 280-197342-7
Matrix: Water

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Gross Alpha	2.25	U G	5.86	5.86	3.00	10.3	pCi/L	10/04/24 08:19	10/17/24 08:39	1
Gross Beta	**3.57**		1.84	1.87	4.00	2.70	pCi/L	10/04/24 08:19	10/17/24 08:39	1

Client: Union Milling Company
Project/Site: Leadville Mill, CO

Job ID: 280-197342-2

Method: 900.0 - Gross Alpha and Gross Beta Radioactivity

Lab Sample ID: MB 160-682120/1-A
Matrix: Water
Analysis Batch: 683772

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 682120

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Gross Alpha	0.2313	U	0.531	0.532	3.00	0.949	pCi/L	10/04/24 08:19	10/16/24 19:24	1
Gross Beta	-0.1972	U	0.507	0.507	4.00	0.934	pCi/L	10/04/24 08:19	10/16/24 19:24	1

Lab Sample ID: LCS 160-682120/2-A
Matrix: Water
Analysis Batch: 683772

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 682120

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Gross Alpha	49.5	47.56		7.05	3.00	2.09	pCi/L	96	75 - 125

Lab Sample ID: LCSB 160-682120/3-A
Matrix: Water
Analysis Batch: 683772

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 682120

Analyte	Spike Added	LCSB Result	LCSB Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Gross Beta	70.8	66.33		7.17	4.00	0.957	pCi/L	94	75 - 125

QC Association Summary

Client: Union Milling Company
Project/Site: Leadville Mill, CO

Job ID: 280-197342-2

Rad

Prep Batch: 682120

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-197342-1	BMW-1	Total/NA	Water	Evaporation	
280-197342-2	PZ-4	Total/NA	Water	Evaporation	
280-197342-3	LM-MW-3	Total/NA	Water	Evaporation	
280-197342-4	MW-13	Total/NA	Water	Evaporation	
280-197342-5	MW-13A	Total/NA	Water	Evaporation	
280-197342-6	MA1TMW-4	Total/NA	Water	Evaporation	
280-197342-7	LM-MW-2	Total/NA	Water	Evaporation	
MB 160-682120/1-A	Method Blank	Total/NA	Water	Evaporation	
LCS 160-682120/2-A	Lab Control Sample	Total/NA	Water	Evaporation	
LCSB 160-682120/3-A	Lab Control Sample	Total/NA	Water	Evaporation	

Lab Chronicle

Client: Union Milling Company
Project/Site: Leadville Mill, CO

Job ID: 280-197342-2

Client Sample ID: BMW-1
Date Collected: 09/30/24 10:00
Date Received: 10/01/24 10:01

Lab Sample ID: 280-197342-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	Evaporation			165.00 mL	1.0 g	682120	10/04/24 08:19	BCO	EET SL
Total/NA	Analysis	900.0		1	1.0 mL	1.0 mL	683843	10/16/24 19:28	SCB	EET SL

Client Sample ID: PZ-4
Date Collected: 09/30/24 11:00
Date Received: 10/01/24 10:01

Lab Sample ID: 280-197342-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	Evaporation			162.00 mL	1.0 g	682120	10/04/24 08:19	BCO	EET SL
Total/NA	Analysis	900.0		1	1.0 mL	1.0 mL	683843	10/16/24 19:28	SCB	EET SL

Client Sample ID: LM-MW-3
Date Collected: 09/30/24 12:15
Date Received: 10/01/24 10:01

Lab Sample ID: 280-197342-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	Evaporation			144.02 mL	1.0 g	682120	10/04/24 08:19	BCO	EET SL
Total/NA	Analysis	900.0		1	1.0 mL	1.0 mL	683843	10/16/24 19:29	SCB	EET SL

Client Sample ID: MW-13
Date Collected: 09/30/24 13:30
Date Received: 10/01/24 10:01

Lab Sample ID: 280-197342-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	Evaporation			131.01 mL	1.0 g	682120	10/04/24 08:19	BCO	EET SL
Total/NA	Analysis	900.0		1	1.0 mL	1.0 mL	683843	10/16/24 19:29	SCB	EET SL

Client Sample ID: MW-13A
Date Collected: 09/30/24 14:30
Date Received: 10/01/24 10:01

Lab Sample ID: 280-197342-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	Evaporation			101.00 mL	1.0 g	682120	10/04/24 08:19	BCO	EET SL
Total/NA	Analysis	900.0		1	1.0 mL	1.0 mL	683843	10/16/24 19:29	SCB	EET SL

Client Sample ID: MA1TMW-4
Date Collected: 09/30/24 17:30
Date Received: 10/01/24 10:01

Lab Sample ID: 280-197342-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	Evaporation			200.01 mL	1.0 g	682120	10/04/24 08:19	BCO	EET SL
Total/NA	Analysis	900.0		1	1.0 mL	1.0 mL	683843	10/16/24 19:29	SCB	EET SL

Lab Chronicle

Client: Union Milling Company
Project/Site: Leadville Mill, CO

Job ID: 280-197342-2

Client Sample ID: LM-MW-2

Date Collected: 09/30/24 18:30
Date Received: 10/01/24 10:01

Lab Sample ID: 280-197342-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	Evaporation			81.00 mL	1.0 g	682120	10/04/24 08:19	BCO	EET SL
Total/NA	Analysis	900.0		1	1.0 mL	1.0 mL	683951	10/17/24 08:39	FLC	EET SL

Laboratory References:

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

Accreditation/Certification Summary

Client: Union Milling Company
Project/Site: Leadville Mill, CO

Job ID: 280-197342-2

Laboratory: Eurofins St. Louis

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 (UST)	State	20-001	05-06-25
ANAB	Dept. of Defense ELAP	L2305	04-06-25
ANAB	Dept. of Energy	L2305.01	04-08-25
ANAB	ISO/IEC 17025	L2305	04-06-25
Arizona	State	AZ0813	12-08-24
California	Los Angeles County Sanitation Districts	10259	06-30-22 *
California	State	2886	06-30-25
Connecticut	State	PH-0241	03-31-25
Florida	NELAP	E87689	06-30-25
HI - RadChem Recognition	State	n/a	06-30-25
Illinois	NELAP	200023	11-30-25
Iowa	State	373	12-01-24
Kansas	NELAP	E-10236	10-31-24
Kentucky (DW)	State	KY90125	12-31-24
Kentucky (WW)	State	KY90125 (Permit KY0004049)	12-31-24
Louisiana	NELAP	04080	06-30-22 *
Louisiana (All)	NELAP	04080	06-30-25
Louisiana (DW)	State	LA011	12-31-24
Maryland	State	310	09-30-25
Massachusetts	State	M-MO054	06-30-25
Missouri	State	780	06-30-25
Nevada	State	MO00054	07-31-25
New Jersey	NELAP	MO002	06-30-25
New Mexico	State	MO00054	06-30-25
New York	NELAP	11616	03-31-25
North Carolina (DW)	State	29700	07-31-25
North Dakota	State	R-207	12-31-24
Oregon	NELAP	4157	09-01-25
Pennsylvania	NELAP	68-00540	02-28-25
South Carolina	State	85002001	10-24-24
Texas	NELAP	T104704193	07-31-25
US Fish & Wildlife	US Federal Programs	058448	07-31-25
USDA	US Federal Programs	P330-17-00028	05-18-26
Utah	NELAP	MO00054	07-31-25
Virginia	NELAP	460230	06-14-25
Washington	State	C592	08-30-25
West Virginia DEP	State	381	10-31-25

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

Eurofins Denver
4955 Yarrow Street
Arvada, CO 80002
Phone: 303-736-0100 Fax: 303-431-7171

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: KLO	Lab PM: Ryan, Nicole C	Carrier Tracking No(s):	COC No: 280-143851-38812.1
Client Contact: Nick Michael	Phone: 303-726-7185	E-Mail: Nicole.Ryan@ET.eurofinsus.com	State of Origin:	Page: Page 1 of 1
Company: Union Milling Company	PWSID:	Analysis Requested		Job #:
Address: PO BOX 620490	Due Date Requested:			Preservation Codes: B - NaOH, N - None, S - H2SO4, D - HNO3
City: Littleton	TAT Requested (days):			
State, Zip: CO, 80162	Compliance Project: Δ Yes Δ No			
Phone:	PO #: Purchase Order Requested			Other:
Email: nmichael@unionmilling.com	WO #:			
Project Name: Leadville Mill, CO	Project #: 28026884			
Site:	SSOW#:			

Sample Identification	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)	1677_Free - Local Method	300.0_28D - (MOD) Copy Analytes	353.2_Pres - Local Method	2540C_Calcd - Local Method	900.0 - Standard Target List	6010D, 6020B, 7470A	300_48HR - (MOD) Copy Analytes	Total Number of containers	Special Instructions/Note:
			Preservation Code:				B	N	S	N	D	N	N		
~~Poz~~ GMW-1	9/30/24	10:00	G	Water			X	X	X	X	X	X	X		
PZ-4	9/30/24	11:00	G	Water			X	X	X	X	X	X	X		
LM-MW-3	9/30/24	12:15	G	Water			X	X	X	X	X	X	X		
MW-13	9/30/24	13:30	G	Water			X	X	X	X	X	X	X		
MW-13A	9/30/24	14:30	G	Water			X	X	X	X	X	X	X		
MAIN TMW-4	9/30/24	17:30	G	Water			X	X	X	X	X	X	X		
LM-MW-2	9/30/24	18:30	G	Water			X	X	X	X	X	X	X		

280-197342 Chain of Custody

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 mo...)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Ryan Smart	10/1 9:00	AEL		10/1/24 1001	EETDEN
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	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: 0.1°C, 0.1°C, 0.9°C CF0.1 IR TO1

Ver: 05/06/2024

Eurofins Denver
4955 Yarrow Street
Arvada, CO 80002
Phone: 303-736-0100 Fax: 303-431-7171

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Ryan, Nicole C	Carrier Tracking No(s):	COC No: 280-718412.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Nicole.Ryan@ET.eurofinsus.com	State of Origin: Colorado	Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note):		Job #: 280-197342-2
Address: 13715 Rider Trail North, ,	Due Date Requested: 10/30/2024			
City: Earth City	TAT Requested (days):			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #:			
Email:	WO #:			
Project Name: Leadville Mill, CO	Project #: 28026884			
Site	SSOW#:			

Analysis Requested

Preservation Codes:
-
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)	900.0/Evaporation Standard Target List	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
BMW-1 (280-197342-1)	9/30/24	10:00 Mountain	G	Water			X	2	
PZ-4 (280-197342-2)	9/30/24	11:00 Mountain	G	Water			X	2	
LM-MW-3 (280-197342-3)	9/30/24	12:15 Mountain	G	Water			X	2	
MW-13 (280-197342-4)	9/30/24	13:30 Mountain	G	Water			X	2	
MW-13A (280-197342-5)	9/30/24	14:30 Mountain	G	Water			X	2	
MA1TMW-4 (280-197342-6)	9/30/24	17:30 Mountain	G	Water			X	2	
LM-MW-2 (280-197342-7)	9/30/24	18:30 Mountain	G	Water			X	2	

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon our 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 TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins TestAmerica.

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

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

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Michael Nevarez	10/02/2024 14:00	Eltben	Sierra Worthington	OCT 03 2024 0845	ETAS
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: 05/06/2024

10/29/2024

Login Sample Receipt Checklist

Client: Union Milling Company

Job Number: 280-197342-2

Login Number: 197342
List Number: 1
Creator: Roehsner, Karen P

List Source: Eurofins Denver

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?	True	
There are no discrepancies between the containers received and the COC.	False	Refer to Job Narrative for details.
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.	True	

Login Sample Receipt Checklist

Client: Union Milling Company

Job Number: 280-197342-2

Login Number: 197342
List Number: 2
Creator: Worthington, Sierra M

List Source: Eurofins St. Louis
List Creation: 10/03/24 11:22 AM

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.	N/A	
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?	N/A	
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.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Eurofins Denver
4955 Yarrow Street
Arvada, CO 80002
Phone: 303-736-0100 Fax: 303-431-7171

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: RDJ	Lab PM: Ryan, Nicole C	Carrier Tracking No(s):	COC No: 280-143851-38812.1
Client Contact: Nick Michael	Phone: 303-725-7185	E-Mail: Nicole.Ryan@ET.eurofinsus.com	State of Origin:	Page: Page 1 of 1
Company: Union Milling Company	PWSID:			Job #:
Address: PO BOX 620490	Due Date Requested:			
City: Littleton	TAT Requested (days):			
State, Zip: CO, 80162	Compliance Project: Δ Yes Δ No			
Phone:	PO #: Purchase Order Requested			
Email: nmichael@unionmilling.com	WO #:			
Project Name: Leadville Mill, CO	Project #: 28026884			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
B - NaOH
N - None
S - H2SO4
D - HNO3
Other:

Sample Identification	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)	1677_Free - Local Method	300.0_28D - (MOD) Copy Analytes	353.2_Pres - Local Method	2540C_Calcd - Local Method	900.0 - Standard Target List	6010D, 6020B, 7470A	300_48HR - (MOD) Copy Analytes	Total Number of containers	Special Instructions/Note:
			Preservation Code:				B	N	S	N	D	N	N		
GMW-1	9/30/24	10:00	G	Water			X	X	X	X	X	X	X		
PZ-4	9/30/24	11:00	G	Water			X	X	X	X	X	X	X		
LM-MW-3	9/30/24	12:15	G	Water			X	X	X	X	X	X	X		
MW-13	9/30/24	13:30	G	Water			X	X	X	X	X	X	X		
MW-13A	9/30/24	14:30	G	Water			X	X	X	X	X	X	X		
MA-TMW-4	9/30/24	17:30	G	Water			X	X	X	X	X	X	X		
LM-MW-2	9/30/24	18:30	G	Water			X	X	X	X	X	X	X		

280-197342 Chain of Custody

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 mo...)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, (II), III, IV, Other (specify)

Special Instructions/QC Requirements:

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Ryan Smart	10/1 9:00	AEL		10/1/24 1001	EETDEN
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	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: 0.1 °C, 0.1 °C, 0.9 °C CF 0.1 IR TC1