



LEADVILLE MILL

SURFACE WATER SAMPLING FIELD DATA FORM

Leadville Mill		LOCATION: Leadville, Colorado		
SAMPLE ID: AR1 (Upstream of CG confluence)		ARKANSAS RIVER SEGMENT: 2b		
Date Sampled: 6/28/2024				
Time Sampled: 16:30				
Sampled By: RDS				
Weather During Sampling: Partly Cloudy, Wind ≈ 5 mph, ≈ 50° F				
Approximate upstream distance from confluence: 10 Feet				
Sample Collection Location: Thalweg / <u>Bank</u> (Circle One)				
Field Measurements:	pH (pH)	Temperature (C°)	Conductivity (µs/cm)	D.O. (mg/L)
	9.78	13.53	86	6.40
Color of Surface Water	Light White/Brown Hue			
Surface Water Odor	None			
Surface Water Appearance	Light Silt			
NOTES:				



LEADVILLE MILL

SURFACE WATER SAMPLING FIELD DATA FORM

Leadville Mill		LOCATION: Leadville, Colorado		
SAMPLE ID: AR2 (Downstream of CG confluence) ARKANSAS RIVER SEGMENT: 2b				
Date Sampled: 6/28/2024				
Time Sampled: 16:15				
Sampled By: RDS				
Weather During Sampling: Partly Cloudy, Wind ≈ 5-10 mph, ≈ 50° F				
Approximate downstream distance from confluence: 30 Feet				
Sample Collection Location: Thalweg / <u>Bank</u> (Circle One)				
Field Measurements:	pH (pH)	Temperature (C°)	Conductivity (µs/cm)	D.O. (mg/L)
	9.8	13.88	270	6.38
Color of Surface Water	Light Brown/White Hue			
Surface Water Odor	Light Chlorine			
Surface Water Appearance	Light Silt			
NOTES:				



LEADVILLE MILL

SURFACE WATER SAMPLING FIELD DATA FORM

Leadville Mill		LOCATION: Leadville, Colorado		
SAMPLE ID: CG1 (Upstream of Mill)		ARKANSAS RIVER SEGMENT: 6		
Date Sampled: 6/28/2024				
Time Sampled: 15:00				
Sampled By: RDS				
Weather During Sampling: Partly Cloudy, Wind ≈ 5 mph, ≈ 55° F				
Approximate upstream distance from confluence: 2.2 Miles				
Sample Collection Location: <u>Thalweg</u> Bank (Circle One)				
Field Measurements:	pH (pH)	Temperature (C°)	Conductivity (µs/cm)	D.O. (mg/L)
	9.07	16.64	1307	5.52
Color of Surface Water	Slight White Hue			
Surface Water Odor	None			
Surface Water Appearance	Light Silt			
NOTES:				



LEADVILLE MILL

SURFACE WATER SAMPLING FIELD DATA FORM

Leadville Mill		LOCATION: Leadville, Colorado		
SAMPLE ID: CG2 (Downstream of Mill)		ARKANSAS RIVER SEGMENT: 6		
Date Sampled: 6/28/2024				
Time Sampled: 15:45				
Sampled By: RDS				
Weather During Sampling: Partly Cloudy, Wind $\approx$ 5 mph, $\approx$ 55° F				
Approximate upstream distance from confluence: 50 Feet				
Sample Collection Location: <u>Thalweg</u> Bank (Circle One)				
Field Measurements:	pH (pH)	Temperature (C°)	Conductivity (μ s/cm)	D.O. (mg/L)
	9.74	16.30	1129	6.05
Color of Surface Water	Slight White			
Surface Water Odor	Wastewater Effluent, Chlorine, Farm Smell			
Surface Water Appearance	Murkish			
NOTES: DUP Taken 16:00, CG3				

ANALYTICAL REPORT

PREPARED FOR

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

Generated 7/22/2024 9:20:14 AM

JOB DESCRIPTION

Leadville Mill, CO

JOB NUMBER

280-193463-1

Eurofins Denver

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
7/22/2024 9:20:14 AM

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

Table of Contents

Cover Page	1
Table of Contents	3
Definitions	4
Case Narrative	5
Detection Summary	8
Method Summary	11
Sample Summary	12
Client Sample Results	13
QC Sample Results	22
QC Association	37
Chronicle	45
Certification Summary	50
Chain of Custody	53
Receipt Checklists	56



Definitions/Glossary

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

Job ID: 280-193463-1

Qualifiers

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
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.

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.

Rad

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
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.
α	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

Case Narrative

Client: Union Milling Company
Project: Leadville Mill, CO

Job ID: 280-193463-1

Job ID: 280-193463-1

Eurofins Denver

Job Narrative 280-193463-1

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 6/29/2024 9:43 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 7 coolers at receipt time were 0.3°C, 0.3°C, 1.8°C, 2.8°C, 2.8°C, 5.6°C and 5.7°C.

Note: All samples which require thermal preservation are considered acceptable if the arrival temperature is within 2C of the required temperature or method specified range. For samples with a specified temperature of 4C, samples with a temperature ranging from just above freezing temperature of water to 6C shall be acceptable. Samples that are hand delivered immediately following collection may not meet these criteria, however they will be deemed acceptable according to NELAC standards, if there is evidence that the chilling process has begun, such as arrival on ice, etc.

Receipt Exceptions

The container label for the following sample did not match the information listed on the Chain-of-Custody (COC): AR1 (280-193463-4). The container labels list 1630, while the COC lists 1615. Logged per the sample containers per the clients request.

The container label for the following sample did not match the information listed on the Chain-of-Custody (COC): AR2 (280-193463-5). The container labels list 1615, while the COC lists 1630. Logged per the sample containers per the clients request.

Method 6010D - Metals (ICP)

Samples CG1 (280-193463-1), CG2 (280-193463-2), CG3 (280-193463-3), AR1 (280-193463-4) and AR2 (280-193463-5) were analyzed for Metals (ICP). The samples were prepared on 7/2/2024 and analyzed on 7/3/2024 and 7/5/2024.

Method 6010D - Metals (ICP) - Dissolved

Samples CG1 (280-193463-1), CG2 (280-193463-2), CG3 (280-193463-3), AR1 (280-193463-4) and AR2 (280-193463-5) were analyzed for Metals (ICP) - Dissolved. The samples were prepared on 7/5/2024 and analyzed on 7/5/2024 and 7/10/2024.

Method 6020B - Metals (ICP/MS)

Samples CG1 (280-193463-1), CG2 (280-193463-2), CG3 (280-193463-3), AR1 (280-193463-4) and AR2 (280-193463-5) were analyzed for Metals (ICP/MS). The samples were prepared on 7/2/2024 and analyzed on 7/2/2024 and 7/18/2024.

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

Samples CG1 (280-193463-1), CG2 (280-193463-2), CG3 (280-193463-3), AR1 (280-193463-4) and AR2 (280-193463-5) were analyzed for Metals (ICP/MS) - Dissolved. The samples were prepared on 7/5/2024 and analyzed on 7/8/2024, 7/9/2024 and 7/18/2024.

Samples CG1 (280-193463-1)[10x], CG2 (280-193463-2)[10x] and CG3 (280-193463-3)[10x] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 280-659127 and 280-659136 and analytical batch 280-659629 were outside control limits for one or more analytes. 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.

Eurofins Denver

Case Narrative

Client: Union Milling Company
Project: Leadville Mill, CO

Job ID: 280-193463-1

Job ID: 280-193463-1 (Continued)

Eurofins Denver

Due to the high concentration of Mn and Zn, the matrix spike / matrix spike duplicate (MS/MSD) for preparation batch 280-659127 and 280-659136 and analytical batch 280-659851 could not be evaluated for accuracy and precision. The associated laboratory control sample (LCS) met acceptance criteria.

Method 7470A - Mercury (CVAA)

Samples CG1 (280-193463-1), CG2 (280-193463-2), CG3 (280-193463-3), AR1 (280-193463-4) and AR2 (280-193463-5) were analyzed for Mercury (CVAA). The samples were prepared and analyzed on 7/17/2024.

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

Samples CG1 (280-193463-1), CG2 (280-193463-2), CG3 (280-193463-3), AR1 (280-193463-4) and AR2 (280-193463-5) were analyzed for Cyanide, Free (Flow Injection). The samples were analyzed on 7/10/2024.

The following samples were found to contain residual chlorine: CG1 (280-193463-1), CG2 (280-193463-2) and CG3 (280-193463-3).

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

Samples CG1 (280-193463-1), CG2 (280-193463-2), CG3 (280-193463-3), AR1 (280-193463-4) and AR2 (280-193463-5) were analyzed for Solids, Total Dissolved (TDS). The samples were analyzed on 7/2/2024.

Method 300.0 - Anions, Ion Chromatography - Dissolved

Samples CG1 (280-193463-1), CG2 (280-193463-2), CG3 (280-193463-3), AR1 (280-193463-4) and AR2 (280-193463-5) were analyzed for Anions, Ion Chromatography - Dissolved. The samples were prepared on 7/11/2024 and analyzed on 7/4/2024 and 7/12/2024.

Samples CG1 (280-193463-1)[10x], CG2 (280-193463-2)[5x] and CG3 (280-193463-3)[5x] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

The following sample is contained within an analytical batch that has method blank (MB) and continuing calibration blank (CCB) detections for chloride: CG1 (280-193463-1). The sample results are higher than ten times the blank detection values so the data is being qualified and reported.

Method 300.0 - Anions, Ion Chromatography

Samples CG1 (280-193463-1), CG2 (280-193463-2), CG3 (280-193463-3), AR1 (280-193463-4) and AR2 (280-193463-5) were analyzed for Anions, Ion Chromatography. The samples were analyzed on 6/30/2024.

The method blank for analytical batch 280-658867 contained Nitrite as N above the method detection limit. This target analyte concentration was less than half the reporting limit (1/2RL) in the method blank; therefore, re-analysis of samples was not performed.

Method 350.1 - Nitrogen, Ammonia

Samples CG1 (280-193463-1), CG2 (280-193463-2), CG3 (280-193463-3), AR1 (280-193463-4) and AR2 (280-193463-5) were analyzed for Nitrogen, Ammonia. The samples were analyzed on 7/2/2024.

Method 365.1 - Phosphorus, Total - Dissolved

Samples CG1 (280-193463-1), CG2 (280-193463-2), CG3 (280-193463-3), AR1 (280-193463-4) and AR2 (280-193463-5) were analyzed for Phosphorus, Total - Dissolved. The samples were prepared on 7/11/2024 and analyzed on 7/12/2024.

The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 280-660085 and 280-660114 and analytical batch 280-660306 were outside control limits for one or more analytes. 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.

Method 7196A - Chromium, Hexavalent

Samples CG1 (280-193463-1), CG2 (280-193463-2), CG3 (280-193463-3), AR1 (280-193463-4) and AR2 (280-193463-5) were analyzed for Chromium, Hexavalent. The samples were analyzed on 6/29/2024.

Method 7196A - Chromium, Hexavalent - Dissolved

Samples CG1 (280-193463-1), CG2 (280-193463-2), CG3 (280-193463-3), AR1 (280-193463-4) and AR2 (280-193463-5) were analyzed for Chromium, Hexavalent - Dissolved. The samples were analyzed on 6/29/2024.

Method 7196A - Chromium, Trivalent (Colorimetric)

Eurofins Denver

Case Narrative

Client: Union Milling Company
Project: Leadville Mill, CO

Job ID: 280-193463-1

Job ID: 280-193463-1 (Continued)

Eurofins Denver

Samples CG1 (280-193463-1), CG2 (280-193463-2), CG3 (280-193463-3), AR1 (280-193463-4) and AR2 (280-193463-5) were analyzed for Chromium, Trivalent (Colorimetric). The samples were analyzed on 7/1/2024.

Method 7196A - Chromium, Trivalent (Colorimetric) - Dissolved

Samples CG1 (280-193463-1), CG2 (280-193463-2), CG3 (280-193463-3), AR1 (280-193463-4) and AR2 (280-193463-5) were analyzed for Chromium, Trivalent (Colorimetric) - Dissolved. The samples were analyzed on 7/1/2024 and 7/8/2024.

Method SM 4500 S2 D - Sulfide, Total - Dissolved

Samples CG1 (280-193463-1), CG2 (280-193463-2), CG3 (280-193463-3), AR1 (280-193463-4) and AR2 (280-193463-5) were analyzed for Sulfide, Total - Dissolved. The samples were analyzed on 7/5/2024.

The matrix spike and matrix spike duplicate (MS/MSD) recoveries for preparation batch 280-659469 and analytical batch 280-659473 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample and laboratory control sample duplicate (LCS/LCSD) recovered within acceptance limits.

The following samples were improperly preserved in the field: CG1 (280-193463-1), CG2 (280-193463-2), CG3 (280-193463-3), AR1 (280-193463-4) and AR2 (280-193463-5). This does not meet regulatory requirements. Sulfide samples need to be preserved immediately after sampling if possible.

Method 900.0 - Gross Alpha and Gross Beta Radioactivity

Samples CG1 (280-193463-1), CG2 (280-193463-2), CG3 (280-193463-3), AR1 (280-193463-4) and AR2 (280-193463-5) were analyzed for Gross Alpha and Gross Beta Radioactivity. The samples were prepared on 7/3/2024 and analyzed on 7/11/2024.

Gross Alpha Beta Batch 669228: The matrix spike (MS) recoveries for preparation batch 160-669228 and analytical batch 160-670170 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Gross Alpha Beta Batch 669228: The detection goal was not met for the following samples due to a reduction of the sample size attributed to high residual mass: CG1 (280-193463-1), CG2 (280-193463-2), CG3 (280-193463-3) and (280-193463-B-3-D DU). Analytical results are reported with the detection limit achieved.

Eurofins Denver

Detection Summary

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

Job ID: 280-193463-1

Client Sample ID: CG1

Lab Sample ID: 280-193463-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Iron	2500		100	9.1	ug/L	1		6010D	Total/NA
Boron	33	J	100	1.5	ug/L	1		6010D	Dissolved
Iron	12	J	100	9.1	ug/L	1		6010D	Dissolved
Molybdenum	0.43	J	2.0	0.37	ug/L	1		6020B	Total/NA
Chromium	0.55	J	3.0	0.50	ug/L	1		6020B	Total/NA
Silver	0.054	J F1	1.0	0.045	ug/L	1		6020B	Dissolved
Cadmium	39		1.0	0.19	ug/L	1		6020B	Dissolved
Copper	2.9		2.0	0.71	ug/L	1		6020B	Dissolved
Manganese	3900		30	5.1	ug/L	10		6020B	Dissolved
Nickel	9.2		3.0	0.83	ug/L	1		6020B	Dissolved
Uranium	0.91	J	1.0	0.030	ug/L	1		6020B	Dissolved
Zinc	7200		100	20	ug/L	10		6020B	Dissolved
Nitrate as N	0.39	J	0.50	0.090	mg/L	1		300.0	Total/NA
Nitrite as N	0.080	J	0.50	0.049	mg/L	1		300.0	Total/NA
Total Dissolved Solids (TDS)	1100		20	9.4	mg/L	1		SM 2540C	Total/NA
Chloride	17		3.0	1.0	mg/L	1		300.0	Dissolved
Sulfate	740		50	10	mg/L	10		300.0	Dissolved

Client Sample ID: CG2

Lab Sample ID: 280-193463-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Iron	2000		100	9.1	ug/L	1		6010D	Total/NA
Boron	54	J	100	1.5	ug/L	1		6010D	Dissolved
Iron	15	J	100	9.1	ug/L	1		6010D	Dissolved
Arsenic	1.5	J	5.0	0.50	ug/L	1		6020B	Total/NA
Molybdenum	0.59	J	2.0	0.37	ug/L	1		6020B	Total/NA
Chromium	0.57	J	3.0	0.50	ug/L	1		6020B	Total/NA
Cadmium	23		1.0	0.19	ug/L	1		6020B	Dissolved
Copper	3.4		2.0	0.71	ug/L	1		6020B	Dissolved
Manganese	2400		30	5.1	ug/L	10		6020B	Dissolved
Nickel	6.2		3.0	0.83	ug/L	1		6020B	Dissolved
Uranium	0.68	J	1.0	0.030	ug/L	1		6020B	Dissolved
Zinc	4100		100	20	ug/L	10		6020B	Dissolved
Nitrate as N	2.6		0.50	0.090	mg/L	1		300.0	Total/NA
Nitrite as N	0.16	J	0.50	0.049	mg/L	1		300.0	Total/NA
Ammonia as N	0.49		0.10	0.029	mg/L	1		350.1	Total/NA
Total Dissolved Solids (TDS)	970		20	9.4	mg/L	1		SM 2540C	Total/NA
Chloride	38		3.0	1.0	mg/L	1		300.0	Dissolved
Sulfate	670		25	5.2	mg/L	5		300.0	Dissolved
Phosphorus, Total	0.24		0.050	0.025	mg/L	1		365.1	Dissolved

Client Sample ID: CG3

Lab Sample ID: 280-193463-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Iron	1900		100	9.1	ug/L	1		6010D	Total/NA
Boron	54	J	100	1.5	ug/L	1		6010D	Dissolved
Iron	18	J	100	9.1	ug/L	1		6010D	Dissolved
Arsenic	1.3	J	5.0	0.50	ug/L	1		6020B	Total/NA
Molybdenum	0.53	J	2.0	0.37	ug/L	1		6020B	Total/NA
Chromium	0.88	J	3.0	0.50	ug/L	1		6020B	Total/NA
Cadmium	24		1.0	0.19	ug/L	1		6020B	Dissolved
Copper	3.5		2.0	0.71	ug/L	1		6020B	Dissolved

This Detection Summary does not include radiochemical test results.

Eurofins Denver

Detection Summary

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

Job ID: 280-193463-1

Client Sample ID: CG3 (Continued)

Lab Sample ID: 280-193463-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Manganese	2400		30	5.1	ug/L	10		6020B	Dissolved
Nickel	6.0		3.0	0.83	ug/L	1		6020B	Dissolved
Uranium	0.71	J	1.0	0.030	ug/L	1		6020B	Dissolved
Zinc	4200		100	20	ug/L	10		6020B	Dissolved
Nitrate as N	2.5		0.50	0.090	mg/L	1		300.0	Total/NA
Nitrite as N	0.14	J	0.50	0.049	mg/L	1		300.0	Total/NA
Ammonia as N	0.49		0.10	0.029	mg/L	1		350.1	Total/NA
Total Dissolved Solids (TDS)	950		10	4.7	mg/L	1		SM 2540C	Total/NA
Chloride	38		3.0	1.0	mg/L	1		300.0	Dissolved
Sulfate	670		25	5.2	mg/L	5		300.0	Dissolved
Phosphorus, Total	0.26		0.050	0.025	mg/L	1		365.1	Dissolved

Client Sample ID: AR1

Lab Sample ID: 280-193463-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Iron	500		100	9.1	ug/L	1		6010D	Total/NA
Boron	4.3	J	100	1.5	ug/L	1		6010D	Dissolved
Iron	100		100	9.1	ug/L	1		6010D	Dissolved
Molybdenum	1.7	J	2.0	0.37	ug/L	1		6020B	Total/NA
Chromium	0.74	J	3.0	0.50	ug/L	1		6020B	Total/NA
Copper	1.3	J	2.0	0.71	ug/L	1		6020B	Dissolved
Manganese	11		3.0	0.51	ug/L	1		6020B	Dissolved
Lead	0.44	J	1.0	0.23	ug/L	1		6020B	Dissolved
Uranium	1.1		1.0	0.030	ug/L	1		6020B	Dissolved
Zinc	16		10	2.0	ug/L	1		6020B	Dissolved
Nitrate as N	0.094	J	0.50	0.090	mg/L	1		300.0	Total/NA
Total Dissolved Solids (TDS)	56		10	4.7	mg/L	1		SM 2540C	Total/NA
Chloride	1.5	J	3.0	1.0	mg/L	1		300.0	Dissolved
Sulfate	9.9		5.0	1.0	mg/L	1		300.0	Dissolved

Client Sample ID: AR2

Lab Sample ID: 280-193463-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Iron	750		100	9.1	ug/L	1		6010D	Total/NA
Boron	12	J	100	1.5	ug/L	1		6010D	Dissolved
Iron	50	J	100	9.1	ug/L	1		6010D	Dissolved
Arsenic	0.55	J	5.0	0.50	ug/L	1		6020B	Total/NA
Molybdenum	1.6	J	2.0	0.37	ug/L	1		6020B	Total/NA
Chromium	0.81	J	3.0	0.50	ug/L	1		6020B	Total/NA
Cadmium	3.9		1.0	0.19	ug/L	1		6020B	Dissolved
Copper	1.5	J	2.0	0.71	ug/L	1		6020B	Dissolved
Manganese	440		3.0	0.51	ug/L	1		6020B	Dissolved
Nickel	1.3	J	3.0	0.83	ug/L	1		6020B	Dissolved
Lead	0.34	J	1.0	0.23	ug/L	1		6020B	Dissolved
Uranium	0.92	J	1.0	0.030	ug/L	1		6020B	Dissolved
Zinc	760		10	2.0	ug/L	1		6020B	Dissolved
Nitrate as N	0.35	J	0.50	0.090	mg/L	1		300.0	Total/NA
Nitrite as N	0.068	J	0.50	0.049	mg/L	1		300.0	Total/NA
Ammonia as N	0.052	J	0.10	0.029	mg/L	1		350.1	Total/NA
Total Dissolved Solids (TDS)	190		10	4.7	mg/L	1		SM 2540C	Total/NA
Chloride	6.1		3.0	1.0	mg/L	1		300.0	Dissolved
Sulfate	95		5.0	1.0	mg/L	1		300.0	Dissolved

This Detection Summary does not include radiochemical test results.

Eurofins Denver

Detection Summary

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

Job ID: 280-193463-1

Client Sample ID: AR2 (Continued) Lab Sample ID: 280-193463-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Phosphorus, Total	0.055		0.050	0.025	mg/L	1		365.1	Dissolved

This Detection Summary does not include radiochemical test results.

Method Summary

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

Job ID: 280-193463-1

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
350.1	Nitrogen, Ammonia	EPA	EET DEN
365.1	Phosphorus, Total	EPA	EET DEN
7196A	Chromium, Hexavalent	SW846	EET DEN
7196A	Chromium, Trivalent (Colorimetric)	SW846	EET DEN
OIA-1677	Cyanide, Free (Flow Injection)	OI CORP	ELLE
SM 2540C	Solids, Total Dissolved (TDS)	SM	EET DEN
SM 4500 S2 D	Sulfide, Total	SM	EET DEN
900.0	Gross Alpha and Gross Beta Radioactivity	EPA	EET SL
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET DEN
3010A	Preparation, Total Metals	SW846	EET DEN
3020A	Preparation, Total Metals	SW846	EET DEN
365.2/365.3/365	Phosphorus, Total	EPA	EET DEN
7470A	Preparation, Mercury	SW846	EET DEN
Evaporation	Preparation, Evaporation	None	EET SL
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

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

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: 280-193463-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
280-193463-1	CG1	Water	06/28/24 15:00	06/29/24 09:43
280-193463-2	CG2	Water	06/28/24 15:45	06/29/24 09:43
280-193463-3	CG3	Water	06/28/24 16:00	06/29/24 09:43
280-193463-4	AR1	Water	06/28/24 16:30	06/29/24 09:43
280-193463-5	AR2	Water	06/28/24 16:15	06/29/24 09:43

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

Client Sample Results

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

Job ID: 280-193463-1

Method: SW846 6010D - Metals (ICP)

Client Sample ID: CG1
Date Collected: 06/28/24 15:00
Date Received: 06/29/24 09:43

Lab Sample ID: 280-193463-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	2500		100	9.1	ug/L		07/02/24 08:25	07/03/24 20:06	1

Client Sample ID: CG2
Date Collected: 06/28/24 15:45
Date Received: 06/29/24 09:43

Lab Sample ID: 280-193463-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	2000		100	9.1	ug/L		07/02/24 08:25	07/03/24 20:23	1

Client Sample ID: CG3
Date Collected: 06/28/24 16:00
Date Received: 06/29/24 09:43

Lab Sample ID: 280-193463-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	1900		100	9.1	ug/L		07/02/24 08:25	07/03/24 20:27	1

Client Sample ID: AR1
Date Collected: 06/28/24 16:30
Date Received: 06/29/24 09:43

Lab Sample ID: 280-193463-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	500		100	9.1	ug/L		07/02/24 08:25	07/05/24 17:01	1

Client Sample ID: AR2
Date Collected: 06/28/24 16:15
Date Received: 06/29/24 09:43

Lab Sample ID: 280-193463-5
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	750		100	9.1	ug/L		07/02/24 08:25	07/05/24 17:05	1

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

Client Sample ID: CG1
Date Collected: 06/28/24 15:00
Date Received: 06/29/24 09:43

Lab Sample ID: 280-193463-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	33	J	100	1.5	ug/L		07/05/24 08:30	07/05/24 22:42	1
Iron	12	J	100	9.1	ug/L		07/05/24 08:30	07/10/24 01:05	1

Client Sample ID: CG2
Date Collected: 06/28/24 15:45
Date Received: 06/29/24 09:43

Lab Sample ID: 280-193463-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	54	J	100	1.5	ug/L		07/05/24 08:30	07/05/24 23:04	1
Iron	15	J	100	9.1	ug/L		07/05/24 08:30	07/10/24 01:40	1

Client Sample ID: CG3
Date Collected: 06/28/24 16:00
Date Received: 06/29/24 09:43

Lab Sample ID: 280-193463-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	54	J	100	1.5	ug/L		07/05/24 08:30	07/05/24 23:08	1
Iron	18	J	100	9.1	ug/L		07/05/24 08:30	07/10/24 01:44	1

Eurofins Denver

Client Sample Results

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

Job ID: 280-193463-1

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

Client Sample ID: AR1
Date Collected: 06/28/24 16:30
Date Received: 06/29/24 09:43

Lab Sample ID: 280-193463-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	4.3	J	100	1.5	ug/L		07/05/24 08:30	07/05/24 23:13	1
Iron	100		100	9.1	ug/L		07/05/24 08:30	07/10/24 01:48	1

Client Sample ID: AR2
Date Collected: 06/28/24 16:15
Date Received: 06/29/24 09:43

Lab Sample ID: 280-193463-5
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	12	J	100	1.5	ug/L		07/05/24 08:30	07/05/24 23:17	1
Iron	50	J	100	9.1	ug/L		07/05/24 08:30	07/10/24 01:52	1

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

Client Sample ID: CG1
Date Collected: 06/28/24 15:00
Date Received: 06/29/24 09:43

Lab Sample ID: 280-193463-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		5.0	0.50	ug/L		07/02/24 08:25	07/02/24 20:22	1
Molybdenum	0.43	J	2.0	0.37	ug/L		07/02/24 08:25	07/02/24 20:22	1
Chromium	0.55	J	3.0	0.50	ug/L		07/02/24 08:25	07/18/24 20:09	1

Client Sample ID: CG2
Date Collected: 06/28/24 15:45
Date Received: 06/29/24 09:43

Lab Sample ID: 280-193463-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1.5	J	5.0	0.50	ug/L		07/02/24 08:25	07/02/24 20:24	1
Molybdenum	0.59	J	2.0	0.37	ug/L		07/02/24 08:25	07/02/24 20:24	1
Chromium	0.57	J	3.0	0.50	ug/L		07/02/24 08:25	07/18/24 20:16	1

Client Sample ID: CG3
Date Collected: 06/28/24 16:00
Date Received: 06/29/24 09:43

Lab Sample ID: 280-193463-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1.3	J	5.0	0.50	ug/L		07/02/24 08:25	07/02/24 20:26	1
Molybdenum	0.53	J	2.0	0.37	ug/L		07/02/24 08:25	07/02/24 20:26	1
Chromium	0.88	J	3.0	0.50	ug/L		07/02/24 08:25	07/18/24 20:19	1

Client Sample ID: AR1
Date Collected: 06/28/24 16:30
Date Received: 06/29/24 09:43

Lab Sample ID: 280-193463-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		5.0	0.50	ug/L		07/02/24 08:25	07/02/24 20:33	1
Molybdenum	1.7	J	2.0	0.37	ug/L		07/02/24 08:25	07/02/24 20:33	1
Chromium	0.74	J	3.0	0.50	ug/L		07/02/24 08:25	07/18/24 20:21	1

Client Sample ID: AR2
Date Collected: 06/28/24 16:15
Date Received: 06/29/24 09:43

Lab Sample ID: 280-193463-5
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.55	J	5.0	0.50	ug/L		07/02/24 08:25	07/02/24 20:36	1
Molybdenum	1.6	J	2.0	0.37	ug/L		07/02/24 08:25	07/02/24 20:36	1
Chromium	0.81	J	3.0	0.50	ug/L		07/02/24 08:25	07/18/24 20:24	1

Eurofins Denver

Client Sample Results

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

Job ID: 280-193463-1

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

Client Sample ID: CG1
Date Collected: 06/28/24 15:00
Date Received: 06/29/24 09:43

Lab Sample ID: 280-193463-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.054	J F1	1.0	0.045	ug/L		07/05/24 08:30	07/08/24 15:06	1
Arsenic	ND		5.0	0.50	ug/L		07/05/24 08:30	07/08/24 15:06	1
Cadmium	39		1.0	0.19	ug/L		07/05/24 08:30	07/08/24 15:06	1
Chromium	ND		3.0	0.50	ug/L		07/05/24 08:30	07/08/24 15:06	1
Copper	2.9		2.0	0.71	ug/L		07/05/24 08:30	07/18/24 17:31	1
Manganese	3900		30	5.1	ug/L		07/05/24 08:30	07/09/24 18:46	10
Nickel	9.2		3.0	0.83	ug/L		07/05/24 08:30	07/08/24 15:06	1
Lead	ND	F1	1.0	0.23	ug/L		07/05/24 08:30	07/08/24 15:06	1
Selenium	ND		5.0	1.0	ug/L		07/05/24 08:30	07/08/24 15:06	1
Uranium	0.91	J	1.0	0.030	ug/L		07/05/24 08:30	07/08/24 15:06	1
Vanadium	ND		5.0	1.1	ug/L		07/05/24 08:30	07/08/24 15:06	1
Zinc	7200		100	20	ug/L		07/05/24 08:30	07/09/24 18:46	10

Client Sample ID: CG2
Date Collected: 06/28/24 15:45
Date Received: 06/29/24 09:43

Lab Sample ID: 280-193463-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		1.0	0.045	ug/L		07/05/24 08:30	07/08/24 15:31	1
Arsenic	ND		5.0	0.50	ug/L		07/05/24 08:30	07/08/24 15:31	1
Cadmium	23		1.0	0.19	ug/L		07/05/24 08:30	07/08/24 15:31	1
Chromium	ND		3.0	0.50	ug/L		07/05/24 08:30	07/08/24 15:31	1
Copper	3.4		2.0	0.71	ug/L		07/05/24 08:30	07/08/24 15:31	1
Manganese	2400		30	5.1	ug/L		07/05/24 08:30	07/09/24 19:04	10
Nickel	6.2		3.0	0.83	ug/L		07/05/24 08:30	07/08/24 15:31	1
Lead	ND		1.0	0.23	ug/L		07/05/24 08:30	07/08/24 15:31	1
Selenium	ND		5.0	1.0	ug/L		07/05/24 08:30	07/08/24 15:31	1
Uranium	0.68	J	1.0	0.030	ug/L		07/05/24 08:30	07/08/24 15:31	1
Vanadium	ND		5.0	1.1	ug/L		07/05/24 08:30	07/08/24 15:31	1
Zinc	4100		100	20	ug/L		07/05/24 08:30	07/09/24 19:04	10

Client Sample ID: CG3
Date Collected: 06/28/24 16:00
Date Received: 06/29/24 09:43

Lab Sample ID: 280-193463-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		1.0	0.045	ug/L		07/05/24 08:30	07/08/24 15:35	1
Arsenic	ND		5.0	0.50	ug/L		07/05/24 08:30	07/08/24 15:35	1
Cadmium	24		1.0	0.19	ug/L		07/05/24 08:30	07/08/24 15:35	1
Chromium	ND		3.0	0.50	ug/L		07/05/24 08:30	07/08/24 15:35	1
Copper	3.5		2.0	0.71	ug/L		07/05/24 08:30	07/08/24 15:35	1
Manganese	2400		30	5.1	ug/L		07/05/24 08:30	07/09/24 19:08	10
Nickel	6.0		3.0	0.83	ug/L		07/05/24 08:30	07/08/24 15:35	1
Lead	ND		1.0	0.23	ug/L		07/05/24 08:30	07/08/24 15:35	1
Selenium	ND		5.0	1.0	ug/L		07/05/24 08:30	07/08/24 15:35	1
Uranium	0.71	J	1.0	0.030	ug/L		07/05/24 08:30	07/08/24 15:35	1
Vanadium	ND		5.0	1.1	ug/L		07/05/24 08:30	07/08/24 15:35	1
Zinc	4200		100	20	ug/L		07/05/24 08:30	07/09/24 19:08	10

Eurofins Denver

Client Sample Results

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

Job ID: 280-193463-1

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

Client Sample ID: AR1
Date Collected: 06/28/24 16:30
Date Received: 06/29/24 09:43

Lab Sample ID: 280-193463-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		1.0	0.045	ug/L		07/05/24 08:30	07/08/24 15:38	1
Arsenic	ND		5.0	0.50	ug/L		07/05/24 08:30	07/08/24 15:38	1
Cadmium	ND		1.0	0.19	ug/L		07/05/24 08:30	07/08/24 15:38	1
Chromium	ND		3.0	0.50	ug/L		07/05/24 08:30	07/08/24 15:38	1
Copper	1.3	J	2.0	0.71	ug/L		07/05/24 08:30	07/08/24 15:38	1
Manganese	11		3.0	0.51	ug/L		07/05/24 08:30	07/09/24 17:27	1
Nickel	ND		3.0	0.83	ug/L		07/05/24 08:30	07/08/24 15:38	1
Lead	0.44	J	1.0	0.23	ug/L		07/05/24 08:30	07/08/24 15:38	1
Selenium	ND		5.0	1.0	ug/L		07/05/24 08:30	07/08/24 15:38	1
Uranium	1.1		1.0	0.030	ug/L		07/05/24 08:30	07/08/24 15:38	1
Vanadium	ND		5.0	1.1	ug/L		07/05/24 08:30	07/08/24 15:38	1
Zinc	16		10	2.0	ug/L		07/05/24 08:30	07/09/24 17:27	1

Client Sample ID: AR2
Date Collected: 06/28/24 16:15
Date Received: 06/29/24 09:43

Lab Sample ID: 280-193463-5
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		1.0	0.045	ug/L		07/05/24 08:30	07/08/24 15:42	1
Arsenic	ND		5.0	0.50	ug/L		07/05/24 08:30	07/08/24 15:42	1
Cadmium	3.9		1.0	0.19	ug/L		07/05/24 08:30	07/08/24 15:42	1
Chromium	ND		3.0	0.50	ug/L		07/05/24 08:30	07/08/24 15:42	1
Copper	1.5	J	2.0	0.71	ug/L		07/05/24 08:30	07/08/24 15:42	1
Manganese	440		3.0	0.51	ug/L		07/05/24 08:30	07/09/24 17:31	1
Nickel	1.3	J	3.0	0.83	ug/L		07/05/24 08:30	07/08/24 15:42	1
Lead	0.34	J	1.0	0.23	ug/L		07/05/24 08:30	07/08/24 15:42	1
Selenium	ND		5.0	1.0	ug/L		07/05/24 08:30	07/08/24 15:42	1
Uranium	0.92	J	1.0	0.030	ug/L		07/05/24 08:30	07/08/24 15:42	1
Vanadium	ND		5.0	1.1	ug/L		07/05/24 08:30	07/08/24 15:42	1
Zinc	760		10	2.0	ug/L		07/05/24 08:30	07/09/24 17:31	1

Method: SW846 7470A - Mercury (CVAA)

Client Sample ID: CG1
Date Collected: 06/28/24 15:00
Date Received: 06/29/24 09:43

Lab Sample ID: 280-193463-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.061	ug/L		07/17/24 18:10	07/17/24 22:58	1

Client Sample ID: CG2
Date Collected: 06/28/24 15:45
Date Received: 06/29/24 09:43

Lab Sample ID: 280-193463-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.061	ug/L		07/17/24 18:10	07/17/24 23:00	1

Client Sample ID: CG3
Date Collected: 06/28/24 16:00
Date Received: 06/29/24 09:43

Lab Sample ID: 280-193463-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.061	ug/L		07/17/24 18:10	07/17/24 23:03	1

Eurofins Denver

Client Sample Results

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

Job ID: 280-193463-1

Method: SW846 7470A - Mercury (CVAA)

Client Sample ID: AR1
Date Collected: 06/28/24 16:30
Date Received: 06/29/24 09:43

Lab Sample ID: 280-193463-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.061	ug/L		07/17/24 18:10	07/17/24 23:05	1

Client Sample ID: AR2
Date Collected: 06/28/24 16:15
Date Received: 06/29/24 09:43

Lab Sample ID: 280-193463-5
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.061	ug/L		07/17/24 18:10	07/17/24 23:08	1

General Chemistry

Client Sample ID: CG1
Date Collected: 06/28/24 15:00
Date Received: 06/29/24 09:43

Lab Sample ID: 280-193463-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N (EPA 300.0)	0.39	J	0.50	0.090	mg/L			06/30/24 08:26	1
Nitrite as N (EPA 300.0)	0.080	J	0.50	0.049	mg/L			06/30/24 08:26	1
Ammonia as N (EPA 350.1)	ND		0.10	0.029	mg/L			07/02/24 13:41	1
Chromium, hexavalent (SW846 7196A)	ND		20	4.0	ug/L			06/29/24 12:54	1
Chromium, trivalent (SW846 7196A)	ND		20	20	ug/L			07/01/24 00:23	1
Chromium (SW846 7196A)	ND		20	20	ug/L			07/01/24 00:23	1
Chromium, hexavalent (SW846 7196A)	ND		20	20	ug/L			07/01/24 00:23	1
Cyanide, Free (OI CORP OIA-1677)	ND		0.0060	0.0050	mg/L			07/10/24 11:21	1
Total Dissolved Solids (TDS) (SM 2540C)	1100		20	9.4	mg/L			07/02/24 09:19	1

Client Sample ID: CG2
Date Collected: 06/28/24 15:45
Date Received: 06/29/24 09:43

Lab Sample ID: 280-193463-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N (EPA 300.0)	2.6		0.50	0.090	mg/L			06/30/24 09:00	1
Nitrite as N (EPA 300.0)	0.16	J	0.50	0.049	mg/L			06/30/24 09:00	1
Ammonia as N (EPA 350.1)	0.49		0.10	0.029	mg/L			07/02/24 13:44	1
Chromium, hexavalent (SW846 7196A)	ND		20	4.0	ug/L			06/29/24 12:55	1
Chromium, trivalent (SW846 7196A)	ND		20	20	ug/L			07/01/24 00:23	1
Chromium (SW846 7196A)	ND		20	20	ug/L			07/01/24 00:23	1
Chromium, hexavalent (SW846 7196A)	ND		20	20	ug/L			07/01/24 00:23	1
Cyanide, Free (OI CORP OIA-1677)	ND		0.0060	0.0050	mg/L			07/10/24 11:36	1
Total Dissolved Solids (TDS) (SM 2540C)	970		20	9.4	mg/L			07/02/24 09:22	1

Client Sample ID: CG3
Date Collected: 06/28/24 16:00
Date Received: 06/29/24 09:43

Lab Sample ID: 280-193463-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N (EPA 300.0)	2.5		0.50	0.090	mg/L			06/30/24 10:08	1
Nitrite as N (EPA 300.0)	0.14	J	0.50	0.049	mg/L			06/30/24 10:08	1
Ammonia as N (EPA 350.1)	0.49		0.10	0.029	mg/L			07/02/24 13:46	1

Eurofins Denver

Client Sample Results

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

Job ID: 280-193463-1

General Chemistry (Continued)

Client Sample ID: CG3
Date Collected: 06/28/24 16:00
Date Received: 06/29/24 09:43

Lab Sample ID: 280-193463-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent (SW846 7196A)	ND		20	4.0	ug/L			06/29/24 12:56	1
Chromium, trivalent (SW846 7196A)	ND		20	20	ug/L			07/01/24 00:23	1
Chromium (SW846 7196A)	ND		20	20	ug/L			07/01/24 00:23	1
Chromium, hexavalent (SW846 7196A)	ND		20	20	ug/L			07/01/24 00:23	1
Cyanide, Free (OI CORP OIA-1677)	ND		0.0060	0.0050	mg/L			07/10/24 11:51	1
Total Dissolved Solids (TDS) (SM 2540C)	950		10	4.7	mg/L			07/02/24 09:22	1

Client Sample ID: AR1
Date Collected: 06/28/24 16:30
Date Received: 06/29/24 09:43

Lab Sample ID: 280-193463-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N (EPA 300.0)	0.094	J	0.50	0.090	mg/L			06/30/24 11:16	1
Nitrite as N (EPA 300.0)	ND		0.50	0.049	mg/L			06/30/24 11:16	1
Ammonia as N (EPA 350.1)	ND		0.10	0.029	mg/L			07/02/24 13:48	1
Chromium, hexavalent (SW846 7196A)	ND		20	4.0	ug/L			06/29/24 12:56	1
Chromium, trivalent (SW846 7196A)	ND		20	20	ug/L			07/01/24 00:23	1
Chromium (SW846 7196A)	ND		20	20	ug/L			07/01/24 00:23	1
Chromium, hexavalent (SW846 7196A)	ND		20	20	ug/L			07/01/24 00:23	1
Cyanide, Free (OI CORP OIA-1677)	ND		0.0060	0.0050	mg/L			07/10/24 11:28	1
Total Dissolved Solids (TDS) (SM 2540C)	56		10	4.7	mg/L			07/02/24 09:22	1

Client Sample ID: AR2
Date Collected: 06/28/24 16:15
Date Received: 06/29/24 09:43

Lab Sample ID: 280-193463-5
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N (EPA 300.0)	0.35	J	0.50	0.090	mg/L			06/30/24 11:33	1
Nitrite as N (EPA 300.0)	0.068	J	0.50	0.049	mg/L			06/30/24 11:33	1
Ammonia as N (EPA 350.1)	0.052	J	0.10	0.029	mg/L			07/02/24 13:50	1
Chromium, hexavalent (SW846 7196A)	ND		20	4.0	ug/L			06/29/24 12:57	1
Chromium, trivalent (SW846 7196A)	ND		20	20	ug/L			07/01/24 00:23	1
Chromium (SW846 7196A)	ND		20	20	ug/L			07/01/24 00:23	1
Chromium, hexavalent (SW846 7196A)	ND		20	20	ug/L			07/01/24 00:23	1
Cyanide, Free (OI CORP OIA-1677)	ND		0.0060	0.0050	mg/L			07/10/24 11:26	1
Total Dissolved Solids (TDS) (SM 2540C)	190		10	4.7	mg/L			07/02/24 09:22	1

General Chemistry - Dissolved

Client Sample ID: CG1
Date Collected: 06/28/24 15:00
Date Received: 06/29/24 09:43

Lab Sample ID: 280-193463-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	17		3.0	1.0	mg/L			07/12/24 03:03	1
Sulfate (EPA 300.0)	740		50	10	mg/L			07/12/24 03:14	10
Phosphorus, Total (EPA 365.1)	ND	F1	0.050	0.025	mg/L		07/11/24 13:24	07/12/24 17:09	1

Eurofins Denver

Client Sample Results

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

Job ID: 280-193463-1

General Chemistry - Dissolved (Continued)

Client Sample ID: CG1
Date Collected: 06/28/24 15:00
Date Received: 06/29/24 09:43

Lab Sample ID: 280-193463-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent (SW846 7196A)	ND		0.020	0.0040	mg/L			06/29/24 13:03	1
Cr (III) (SW846 7196A)	ND		20	20	ug/L			07/01/24 00:23	1
Cr (SW846 7196A)	ND		20	20	ug/L			07/01/24 00:23	1
Cr (VI) (SW846 7196A)	ND		20	20	ug/L			07/01/24 00:23	1
Sulfide (SM 4500 S2 D)	ND	F1	0.050	0.022	mg/L			07/05/24 17:13	1

Client Sample ID: CG2
Date Collected: 06/28/24 15:45
Date Received: 06/29/24 09:43

Lab Sample ID: 280-193463-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	38		3.0	1.0	mg/L			07/04/24 02:30	1
Sulfate (EPA 300.0)	670		25	5.2	mg/L			07/04/24 02:41	5
Phosphorus, Total (EPA 365.1)	0.24		0.050	0.025	mg/L		07/11/24 13:24	07/12/24 17:09	1
Chromium, hexavalent (SW846 7196A)	ND		0.020	0.0040	mg/L			06/29/24 13:05	1
Cr (III) (SW846 7196A)	ND		20	20	ug/L			07/01/24 00:23	1
Cr (SW846 7196A)	ND		20	20	ug/L			07/01/24 00:23	1
Cr (VI) (SW846 7196A)	ND		20	20	ug/L			07/01/24 00:23	1
Sulfide (SM 4500 S2 D)	ND		0.050	0.022	mg/L			07/05/24 17:24	1

Client Sample ID: CG3
Date Collected: 06/28/24 16:00
Date Received: 06/29/24 09:43

Lab Sample ID: 280-193463-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	38		3.0	1.0	mg/L			07/04/24 02:52	1
Sulfate (EPA 300.0)	670		25	5.2	mg/L			07/04/24 03:03	5
Phosphorus, Total (EPA 365.1)	0.26		0.050	0.025	mg/L		07/11/24 13:24	07/12/24 17:10	1
Chromium, hexavalent (SW846 7196A)	ND		0.020	0.0040	mg/L			06/29/24 13:05	1
Cr (III) (SW846 7196A)	ND		20	20	ug/L			07/08/24 02:39	1
Cr (SW846 7196A)	ND		20	20	ug/L			07/08/24 02:39	1
Cr (VI) (SW846 7196A)	ND		20	20	ug/L			07/08/24 02:39	1
Sulfide (SM 4500 S2 D)	ND		0.050	0.022	mg/L			07/05/24 17:14	1

Client Sample ID: AR1
Date Collected: 06/28/24 16:30
Date Received: 06/29/24 09:43

Lab Sample ID: 280-193463-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	1.5	J	3.0	1.0	mg/L			07/04/24 03:14	1
Sulfate (EPA 300.0)	9.9		5.0	1.0	mg/L			07/04/24 03:14	1
Phosphorus, Total (EPA 365.1)	ND		0.050	0.025	mg/L		07/11/24 13:24	07/12/24 17:10	1
Chromium, hexavalent (SW846 7196A)	ND		0.020	0.0040	mg/L			06/29/24 13:06	1
Cr (III) (SW846 7196A)	ND		20	20	ug/L			07/08/24 02:39	1
Cr (SW846 7196A)	ND		20	20	ug/L			07/08/24 02:39	1
Cr (VI) (SW846 7196A)	ND		20	20	ug/L			07/08/24 02:39	1
Sulfide (SM 4500 S2 D)	ND		0.050	0.022	mg/L			07/05/24 17:15	1

Eurofins Denver

Client Sample Results

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

Job ID: 280-193463-1

General Chemistry - Dissolved

Client Sample ID: AR2
Date Collected: 06/28/24 16:15
Date Received: 06/29/24 09:43

Lab Sample ID: 280-193463-5
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	6.1		3.0	1.0	mg/L			07/04/24 03:25	1
Sulfate (EPA 300.0)	95		5.0	1.0	mg/L			07/04/24 03:25	1
Phosphorus, Total (EPA 365.1)	0.055		0.050	0.025	mg/L		07/11/24 13:24	07/12/24 17:10	1
Chromium, hexavalent (SW846 7196A)	ND		0.020	0.0040	mg/L			06/29/24 13:06	1
Cr (III) (SW846 7196A)	ND		20	20	ug/L			07/08/24 02:39	1
Cr (SW846 7196A)	ND		20	20	ug/L			07/08/24 02:39	1
Cr (VI) (SW846 7196A)	ND		20	20	ug/L			07/08/24 02:39	1
Sulfide (SM 4500 S2 D)	ND		0.050	0.022	mg/L			07/05/24 17:15	1

Method: EPA 900.0 - Gross Alpha and Gross Beta Radioactivity

Client Sample ID: CG1
Date Collected: 06/28/24 15:00
Date Received: 06/29/24 09:43

Lab Sample ID: 280-193463-1
Matrix: Water

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Gross Alpha	1.60	U G	5.93	5.93	3.00	10.8	pCi/L	07/03/24 08:55	07/11/24 19:02	1
Gross Beta	1.24	U G	2.54	2.54	4.00	4.30	pCi/L	07/03/24 08:55	07/11/24 19:02	1

Client Sample ID: CG2
Date Collected: 06/28/24 15:45
Date Received: 06/29/24 09:43

Lab Sample ID: 280-193463-2
Matrix: Water

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Gross Alpha	6.25	U G	5.65	5.69	3.00	8.90	pCi/L	07/03/24 08:55	07/11/24 19:02	1
Gross Beta	5.32		2.36	2.42	4.00	3.28	pCi/L	07/03/24 08:55	07/11/24 19:02	1

Client Sample ID: CG3
Date Collected: 06/28/24 16:00
Date Received: 06/29/24 09:43

Lab Sample ID: 280-193463-3
Matrix: Water

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Gross Alpha	4.66	U G	4.58	4.61	3.00	7.25	pCi/L	07/03/24 08:55	07/11/24 19:02	1
Gross Beta	2.26	U	1.55	1.57	4.00	2.31	pCi/L	07/03/24 08:55	07/11/24 19:02	1

Client Sample ID: AR1
Date Collected: 06/28/24 16:30
Date Received: 06/29/24 09:43

Lab Sample ID: 280-193463-4
Matrix: Water

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Gross Alpha	1.44		0.949	0.963	3.00	1.37	pCi/L	07/03/24 08:55	07/11/24 19:02	1
Gross Beta	0.509	U	0.552	0.554	4.00	0.863	pCi/L	07/03/24 08:55	07/11/24 19:02	1

Eurofins Denver

Client Sample Results

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

Job ID: 280-193463-1

Method: EPA 900.0 - Gross Alpha and Gross Beta Radioactivity

Client Sample ID: AR2					Lab Sample ID: 280-193463-5					
Date Collected: 06/28/24 16:15					Matrix: Water					
Date Received: 06/29/24 09:43										
Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Gross Alpha	1.69	U	1.40	1.41	3.00	2.17	pCi/L	07/03/24 08:55	07/11/24 18:52	1
Gross Beta	1.38		0.700	0.713	4.00	1.02	pCi/L	07/03/24 08:55	07/11/24 18:52	1

QC Sample Results

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

Job ID: 280-193463-1

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 280-658899/1-A
Matrix: Water
Analysis Batch: 659535

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 658899

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	17.2	J	100	9.1	ug/L		07/02/24 08:25	07/05/24 16:22	1

Lab Sample ID: LCS 280-658899/2-A
Matrix: Water
Analysis Batch: 659535

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 658899

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Iron	10000	10100		ug/L		101	89 - 115

Lab Sample ID: 280-193463-5 MS
Matrix: Water
Analysis Batch: 659535

Client Sample ID: AR2
Prep Type: Total/NA
Prep Batch: 658899

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Iron	750		10000	10900		ug/L		102	75 - 125

Lab Sample ID: 280-193463-5 MSD
Matrix: Water
Analysis Batch: 659535

Client Sample ID: AR2
Prep Type: Total/NA
Prep Batch: 658899

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Iron	750		10000	10800		ug/L		100	75 - 125	1	20

Lab Sample ID: MB 280-659127/1-B
Matrix: Water
Analysis Batch: 659535

Client Sample ID: Method Blank
Prep Type: Dissolved
Prep Batch: 659136

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	ND		100	1.5	ug/L		07/05/24 08:30	07/05/24 21:02	1

Lab Sample ID: MB 280-659127/1-B
Matrix: Water
Analysis Batch: 659894

Client Sample ID: Method Blank
Prep Type: Dissolved
Prep Batch: 659136

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	22.7	J	100	9.1	ug/L		07/05/24 08:30	07/09/24 23:30	1

Lab Sample ID: LCS 280-659127/2-B
Matrix: Water
Analysis Batch: 659535

Client Sample ID: Lab Control Sample
Prep Type: Dissolved
Prep Batch: 659136

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	2000	1960		ug/L		98	86 - 110

Lab Sample ID: LCS 280-659127/2-B
Matrix: Water
Analysis Batch: 659894

Client Sample ID: Lab Control Sample
Prep Type: Dissolved
Prep Batch: 659136

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Iron	10000	9150		ug/L		92	89 - 115

Eurofins Denver

QC Sample Results

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

Job ID: 280-193463-1

Method: 6010D - Metals (ICP)

Lab Sample ID: 280-193463-1 MS
Matrix: Water
Analysis Batch: 659535

Client Sample ID: CG1
Prep Type: Dissolved
Prep Batch: 659136

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	33	J	2000	2060		ug/L		101	87 - 113

Lab Sample ID: 280-193463-1 MS
Matrix: Water
Analysis Batch: 659894

Client Sample ID: CG1
Prep Type: Dissolved
Prep Batch: 659136

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Iron	12	J	10000	9120		ug/L		91	75 - 125

Lab Sample ID: 280-193463-1 MSD
Matrix: Water
Analysis Batch: 659535

Client Sample ID: CG1
Prep Type: Dissolved
Prep Batch: 659136

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Boron	33	J	2000	2050		ug/L		101	87 - 113	1	20

Lab Sample ID: 280-193463-1 MSD
Matrix: Water
Analysis Batch: 659894

Client Sample ID: CG1
Prep Type: Dissolved
Prep Batch: 659136

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Iron	12	J	10000	9120		ug/L		91	75 - 125	0	20

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 280-658899/1-A
Matrix: Water
Analysis Batch: 659180

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 658899

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		5.0	0.50	ug/L		07/02/24 08:25	07/02/24 19:40	1
Molybdenum	ND		2.0	0.37	ug/L		07/02/24 08:25	07/02/24 19:40	1

Lab Sample ID: MB 280-658899/1-A
Matrix: Water
Analysis Batch: 659239

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 658899

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	ND		3.0	0.50	ug/L		07/02/24 08:25	07/03/24 10:17	1

Lab Sample ID: LCS 280-658899/25-A
Matrix: Water
Analysis Batch: 659180

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 658899

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	40.0	38.1		ug/L		95	85 - 117
Molybdenum	40.0	38.9		ug/L		97	85 - 119

Eurofins Denver

QC Sample Results

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

Job ID: 280-193463-1

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

Lab Sample ID: LCS 280-658899/25-A
Matrix: Water
Analysis Batch: 659239

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 658899

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chromium	40.0	39.7		ug/L		99	84 - 121

Lab Sample ID: 280-193463-5 MS
Matrix: Water
Analysis Batch: 659180

Client Sample ID: AR2
Prep Type: Total/NA
Prep Batch: 658899

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.55	J	40.0	37.9		ug/L		93	92 - 112
Molybdenum	1.6	J	40.0	40.4		ug/L		97	84 - 117

Lab Sample ID: 280-193463-5 MS
Matrix: Water
Analysis Batch: 661033

Client Sample ID: AR2
Prep Type: Total/NA
Prep Batch: 658899

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chromium	0.81	J	40.0	38.3		ug/L		94	91 - 114

Lab Sample ID: 280-193463-5 MSD
Matrix: Water
Analysis Batch: 659180

Client Sample ID: AR2
Prep Type: Total/NA
Prep Batch: 658899

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	0.55	J	40.0	37.8		ug/L		93	92 - 112	0	20
Molybdenum	1.6	J	40.0	39.6		ug/L		95	84 - 117	2	20

Lab Sample ID: 280-193463-5 MSD
Matrix: Water
Analysis Batch: 661033

Client Sample ID: AR2
Prep Type: Total/NA
Prep Batch: 658899

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chromium	0.81	J	40.0	37.8		ug/L		92	91 - 114	1	20

Lab Sample ID: MB 280-659127/1-B
Matrix: Water
Analysis Batch: 659629

Client Sample ID: Method Blank
Prep Type: Dissolved
Prep Batch: 659136

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		1.0	0.045	ug/L		07/05/24 08:30	07/08/24 14:59	1
Arsenic	ND		5.0	0.50	ug/L		07/05/24 08:30	07/08/24 14:59	1
Cadmium	ND		1.0	0.19	ug/L		07/05/24 08:30	07/08/24 14:59	1
Nickel	ND		3.0	0.83	ug/L		07/05/24 08:30	07/08/24 14:59	1
Lead	ND		1.0	0.23	ug/L		07/05/24 08:30	07/08/24 14:59	1
Selenium	ND		5.0	1.0	ug/L		07/05/24 08:30	07/08/24 14:59	1
Uranium	ND		1.0	0.030	ug/L		07/05/24 08:30	07/08/24 14:59	1
Vanadium	ND		5.0	1.1	ug/L		07/05/24 08:30	07/08/24 14:59	1
Chromium	ND		3.0	0.50	ug/L		07/05/24 08:30	07/08/24 14:59	1

Eurofins Denver

QC Sample Results

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

Job ID: 280-193463-1

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

Lab Sample ID: MB 280-659127/1-B

Matrix: Water

Analysis Batch: 659851

Client Sample ID: Method Blank

Prep Type: Dissolved

Prep Batch: 659136

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	ND		2.0	0.71	ug/L		07/05/24 08:30	07/09/24 17:20	1
Manganese	ND		3.0	0.51	ug/L		07/05/24 08:30	07/09/24 17:20	1
Zinc	ND		10	2.0	ug/L		07/05/24 08:30	07/09/24 17:20	1

Lab Sample ID: LCS 280-659127/25-B

Matrix: Water

Analysis Batch: 659629

Client Sample ID: Lab Control Sample

Prep Type: Dissolved

Prep Batch: 659136

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Silver	40.0	38.3		ug/L		96	85 - 115
Arsenic	40.0	40.0		ug/L		100	85 - 117
Cadmium	40.0	40.5		ug/L		101	85 - 115
Nickel	40.0	40.2		ug/L		101	85 - 119
Lead	40.0	38.2		ug/L		96	85 - 118
Selenium	40.0	38.0		ug/L		95	77 - 122
Uranium	40.0	38.7		ug/L		97	85 - 119
Vanadium	40.0	36.1		ug/L		90	85 - 120
Chromium	40.0	38.4		ug/L		96	84 - 121

Lab Sample ID: LCS 280-659127/25-B

Matrix: Water

Analysis Batch: 659851

Client Sample ID: Lab Control Sample

Prep Type: Dissolved

Prep Batch: 659136

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Copper	40.0	39.4		ug/L		99	85 - 119
Manganese	40.0	39.5		ug/L		99	85 - 117
Zinc	40.0	43.7		ug/L		109	83 - 122

Lab Sample ID: 280-193463-1 MS

Matrix: Water

Analysis Batch: 659629

Client Sample ID: CG1

Prep Type: Dissolved

Prep Batch: 659136

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Silver	0.054	J F1	40.0	36.7	F1	ug/L		92	93 - 118
Arsenic	ND		40.0	38.3		ug/L		96	92 - 112
Cadmium	39		40.0	78.7		ug/L		99	91 - 114
Nickel	9.2		40.0	48.4		ug/L		98	92 - 116
Lead	ND	F1	40.0	37.7	F1	ug/L		94	95 - 116
Selenium	ND		40.0	37.9		ug/L		95	90 - 115
Uranium	0.91	J	40.0	40.7		ug/L		99	91 - 116
Vanadium	ND		40.0	36.2		ug/L		91	91 - 114
Chromium	ND		40.0	38.1		ug/L		95	91 - 114

Lab Sample ID: 280-193463-1 MS

Matrix: Water

Analysis Batch: 659851

Client Sample ID: CG1

Prep Type: Dissolved

Prep Batch: 659136

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Manganese	3900		40.0	3870	4	ug/L		25	89 - 119

Eurofins Denver

QC Sample Results

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

Job ID: 280-193463-1

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

Lab Sample ID: 280-193463-1 MS
Matrix: Water
Analysis Batch: 659851

Client Sample ID: CG1
Prep Type: Dissolved
Prep Batch: 659136

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Zinc	7200		40.0	7210	4	ug/L		-40	86 - 120

Lab Sample ID: 280-193463-1 MS
Matrix: Water
Analysis Batch: 661033

Client Sample ID: CG1
Prep Type: Dissolved
Prep Batch: 659136

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Copper	2.9		40.0	41.2		ug/L		96	89 - 116

Lab Sample ID: 280-193463-1 MSD
Matrix: Water
Analysis Batch: 659629

Client Sample ID: CG1
Prep Type: Dissolved
Prep Batch: 659136

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Silver	0.054	J F1	40.0	36.3	F1	ug/L		91	93 - 118	1	20
Arsenic	ND		40.0	39.6		ug/L		99	92 - 112	3	20
Cadmium	39		40.0	82.5		ug/L		108	91 - 114	5	20
Nickel	9.2		40.0	46.8		ug/L		94	92 - 116	3	20
Lead	ND	F1	40.0	38.1		ug/L		95	95 - 116	1	20
Selenium	ND		40.0	39.1		ug/L		98	90 - 115	3	20
Uranium	0.91	J	40.0	41.4		ug/L		101	91 - 116	2	20
Vanadium	ND		40.0	37.0		ug/L		93	91 - 114	2	20
Chromium	ND		40.0	37.5		ug/L		94	91 - 114	2	20

Lab Sample ID: 280-193463-1 MSD
Matrix: Water
Analysis Batch: 659851

Client Sample ID: CG1
Prep Type: Dissolved
Prep Batch: 659136

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Manganese	3900		40.0	3900	4	ug/L		110	89 - 119	1	20
Zinc	7200		40.0	7220	4	ug/L		-14	86 - 120	0	20

Lab Sample ID: 280-193463-1 MSD
Matrix: Water
Analysis Batch: 661033

Client Sample ID: CG1
Prep Type: Dissolved
Prep Batch: 659136

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Copper	2.9		40.0	40.7		ug/L		94	89 - 116	1	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 280-660832/1-A
Matrix: Water
Analysis Batch: 660954

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 660832

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.061	ug/L		07/17/24 18:10	07/17/24 21:57	1

Eurofins Denver

QC Sample Results

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

Job ID: 280-193463-1

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

Lab Sample ID: LCS 280-660832/2-A
Matrix: Water
Analysis Batch: 660954

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 660832

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	5.00	5.12		ug/L		102	84 - 120

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 280-658867/42
Matrix: Water
Analysis Batch: 658867

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			06/30/24 09:51	1
Nitrite as N	0.0592	J	0.50	0.049	mg/L			06/30/24 09:51	1

Lab Sample ID: MB 280-658867/6
Matrix: Water
Analysis Batch: 658867

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			06/29/24 23:09	1
Nitrite as N	ND		0.50	0.049	mg/L			06/29/24 23:09	1

Lab Sample ID: LCS 280-658867/4
Matrix: Water
Analysis Batch: 658867

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	4.98		mg/L		100	90 - 110
Nitrite as N	5.00	4.92		mg/L		98	90 - 110

Lab Sample ID: LCS 280-658867/40
Matrix: Water
Analysis Batch: 658867

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	5.00		mg/L		100	90 - 110
Nitrite as N	5.00	4.92		mg/L		98	90 - 110

Lab Sample ID: LCSD 280-658867/41
Matrix: Water
Analysis Batch: 658867

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	5.00		mg/L		100	90 - 110	0	10
Nitrite as N	5.00	4.93		mg/L		99	90 - 110	0	10

Lab Sample ID: LCSD 280-658867/5
Matrix: Water
Analysis Batch: 658867

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	4.97		mg/L		99	90 - 110	0	10

Eurofins Denver

QC Sample Results

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

Job ID: 280-193463-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 280-658867/5

Matrix: Water

Analysis Batch: 658867

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
Nitrite as N	5.00	4.89		mg/L		98	90 - 110	1	10

Lab Sample ID: MRL 280-658867/3

Matrix: Water

Analysis Batch: 658867

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	0.545		mg/L		109	50 - 150		
Nitrite as N	0.500	0.558		mg/L		112	50 - 150		

Lab Sample ID: 280-193463-3 MS

Matrix: Water

Analysis Batch: 658867

Client Sample ID: CG3

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Nitrate as N	2.5		5.00	8.11		mg/L		112	80 - 120		
Nitrite as N	0.14	J	5.00	5.34		mg/L		104	80 - 120		

Lab Sample ID: 280-193463-3 MSD

Matrix: Water

Analysis Batch: 658867

Client Sample ID: CG3

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	2.5		5.00	8.48		mg/L		119	80 - 120	4	20
Nitrite as N	0.14	J	5.00	5.72		mg/L		111	80 - 120	7	20

Lab Sample ID: 280-193463-3 DU

Matrix: Water

Analysis Batch: 658867

Client Sample ID: CG3

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Nitrate as N	2.5			2.51		mg/L				0.1	15
Nitrite as N	0.14	J		0.149	J	mg/L				3	15

Lab Sample ID: MRL 280-659231/3

Matrix: Water

Analysis Batch: 659231

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	4.81		mg/L		96	50 - 150		
Sulfate	5.00	4.98	J	mg/L		100	50 - 150		

Lab Sample ID: MB 280-660027/47

Matrix: Water

Analysis Batch: 660027

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1.27	J	3.0	1.0	mg/L			07/11/24 23:05	1
Sulfate	ND		5.0	1.0	mg/L			07/11/24 23:05	1

Eurofins Denver

QC Sample Results

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

Job ID: 280-193463-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 280-660027/45

Matrix: Water

Analysis Batch: 660027

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	100	98.5		mg/L		98	90 - 110
Sulfate	100	97.6		mg/L		98	90 - 110

Lab Sample ID: LCSD 280-660027/46

Matrix: Water

Analysis Batch: 660027

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	98.6		mg/L		99	90 - 110	0	10
Sulfate	100	97.2		mg/L		97	90 - 110	0	10

Lab Sample ID: MRL 280-660027/3

Matrix: Water

Analysis Batch: 660027

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	4.77		mg/L		95	50 - 150
Sulfate	5.00	4.94	J	mg/L		99	50 - 150

Lab Sample ID: MB 280-659265/3-A

Matrix: Water

Analysis Batch: 659231

Client Sample ID: Method Blank

Prep Type: Dissolved

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		3.0	1.0	mg/L			07/04/24 02:19	1
Sulfate	ND		5.0	1.0	mg/L			07/04/24 02:19	1

Lab Sample ID: LCS 280-659265/1-A

Matrix: Water

Analysis Batch: 659231

Client Sample ID: Lab Control Sample

Prep Type: Dissolved

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	100	105		mg/L		105	90 - 110
Sulfate	100	108		mg/L		108	90 - 110

Lab Sample ID: LCSD 280-659265/2-A

Matrix: Water

Analysis Batch: 659231

Client Sample ID: Lab Control Sample Dup

Prep Type: Dissolved

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	100	106		mg/L		106	90 - 110	1	10
Sulfate	100	109		mg/L		109	90 - 110	1	10

Lab Sample ID: 280-193463-5 MS

Matrix: Water

Analysis Batch: 659231

Client Sample ID: AR2

Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	6.1		50.0	64.6		mg/L		117	80 - 120
Sulfate	95		50.0	154		mg/L		118	80 - 120

Eurofins Denver

QC Sample Results

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

Job ID: 280-193463-1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 280-193463-5 MSD

Matrix: Water

Analysis Batch: 659231

Client Sample ID: AR2

Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	6.1		50.0	65.4		mg/L		119	80 - 120	1	20
Sulfate	95		50.0	155		mg/L		120	80 - 120	1	20

Lab Sample ID: 280-193463-5 DU

Matrix: Water

Analysis Batch: 659231

Client Sample ID: AR2

Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Chloride	6.1		6.03		mg/L		0.9	15
Sulfate	95		94.1		mg/L		0.9	15

Lab Sample ID: MB 280-660120/3-A

Matrix: Water

Analysis Batch: 660027

Client Sample ID: Method Blank

Prep Type: Dissolved

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		3.0	1.0	mg/L			07/12/24 02:51	1
Sulfate	ND		5.0	1.0	mg/L			07/12/24 02:51	1

Lab Sample ID: LCS 280-660120/1-A

Matrix: Water

Analysis Batch: 660027

Client Sample ID: Lab Control Sample

Prep Type: Dissolved

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	100	97.4		mg/L		97	90 - 110
Sulfate	100	96.8		mg/L		97	90 - 110

Lab Sample ID: LCSD 280-660120/2-A

Matrix: Water

Analysis Batch: 660027

Client Sample ID: Lab Control Sample Dup

Prep Type: Dissolved

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	100	97.2		mg/L		97	90 - 110	0	10
Sulfate	100	96.5		mg/L		96	90 - 110	0	10

Method: 350.1 - Nitrogen, Ammonia

Lab Sample ID: MB 280-659155/63

Matrix: Water

Analysis Batch: 659155

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia as N	ND		0.10	0.029	mg/L			07/02/24 13:26	1

Lab Sample ID: LCS 280-659155/64

Matrix: Water

Analysis Batch: 659155

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ammonia as N	2.50	2.49		mg/L		100	90 - 110

Eurofins Denver

QC Sample Results

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

Job ID: 280-193463-1

Method: 365.1 - Phosphorus, Total

Lab Sample ID: MB 280-660085/5-B
Matrix: Water
Analysis Batch: 660306

Client Sample ID: Method Blank
Prep Type: Dissolved
Prep Batch: 660114

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phosphorus, Total	ND		0.050	0.025	mg/L		07/11/24 13:24	07/12/24 17:05	1

Lab Sample ID: LCS 280-660085/3-B
Matrix: Water
Analysis Batch: 660306

Client Sample ID: Lab Control Sample
Prep Type: Dissolved
Prep Batch: 660114

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Phosphorus, Total	0.500	0.545		mg/L		109	90 - 110

Lab Sample ID: LCSD 280-660085/4-B
Matrix: Water
Analysis Batch: 660306

Client Sample ID: Lab Control Sample Dup
Prep Type: Dissolved
Prep Batch: 660114

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Phosphorus, Total	0.500	0.532		mg/L		106	90 - 110	2	10

Lab Sample ID: 280-193463-1 MS
Matrix: Water
Analysis Batch: 660306

Client Sample ID: CG1
Prep Type: Dissolved
Prep Batch: 660114

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Phosphorus, Total	ND	F1	0.500	0.431	F1	mg/L		86	90 - 110

Lab Sample ID: 280-193463-1 MSD
Matrix: Water
Analysis Batch: 660306

Client Sample ID: CG1
Prep Type: Dissolved
Prep Batch: 660114

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Phosphorus, Total	ND	F1	0.500	0.436	F1	mg/L		87	90 - 110	1	10

Method: 7196A - Chromium, Hexavalent

Lab Sample ID: MB 280-658853/10
Matrix: Water
Analysis Batch: 658853

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent	ND		20	4.0	ug/L			06/29/24 11:21	1

Lab Sample ID: LCS 280-658853/8
Matrix: Water
Analysis Batch: 658853

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chromium, hexavalent	100	99.3		ug/L		99	85 - 115

Eurofins Denver

QC Sample Results

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

Job ID: 280-193463-1

Method: 7196A - Chromium, Hexavalent (Continued)

Lab Sample ID: LCSD 280-658853/9

Matrix: Water

Analysis Batch: 658853

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
Chromium, hexavalent	100	102		ug/L		102	85 - 115	3	20

Lab Sample ID: 280-193463-1 MS

Matrix: Water

Analysis Batch: 658853

Client Sample ID: CG1

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chromium, hexavalent	ND		100	98.0		ug/L		98	85 - 115		

Lab Sample ID: 280-193463-1 MSD

Matrix: Water

Analysis Batch: 658853

Client Sample ID: CG1

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chromium, hexavalent	ND		100	100		ug/L		100	85 - 115	2	20

Lab Sample ID: 280-193463-1 DU

Matrix: Water

Analysis Batch: 658853

Client Sample ID: CG1

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	DU Result	DU Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chromium, hexavalent	ND			ND		ug/L				NC	20

Lab Sample ID: MB 280-658851/3-A

Matrix: Water

Analysis Batch: 658853

Client Sample ID: Method Blank

Prep Type: Dissolved

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent	ND		0.020	0.0040	mg/L			06/29/24 13:03	1

Lab Sample ID: LCS 280-658851/1-A

Matrix: Water

Analysis Batch: 658853

Client Sample ID: Lab Control Sample

Prep Type: Dissolved

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chromium, hexavalent	0.100	0.102		mg/L		102	85 - 115		

Lab Sample ID: LCSD 280-658851/2-A

Matrix: Water

Analysis Batch: 658853

Client Sample ID: Lab Control Sample Dup

Prep Type: Dissolved

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chromium, hexavalent	0.100	0.106		mg/L		106	85 - 115	4	20

Lab Sample ID: 280-193463-1 MS

Matrix: Water

Analysis Batch: 658853

Client Sample ID: CG1

Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chromium, hexavalent	ND		0.100	0.100		mg/L		100	85 - 115		

Eurofins Denver

QC Sample Results

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

Job ID: 280-193463-1

Method: 7196A - Chromium, Hexavalent

Lab Sample ID: 280-193463-1 MSD
Matrix: Water
Analysis Batch: 658853

Client Sample ID: CG1
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chromium, hexavalent	ND		0.100	0.102		mg/L		102	85 - 115	2	20

Lab Sample ID: 280-193463-1 DU
Matrix: Water
Analysis Batch: 658853

Client Sample ID: CG1
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Chromium, hexavalent	ND		ND		mg/L		NC	20

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

Lab Sample ID: MB 410-526709/17
Matrix: Water
Analysis Batch: 526709

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			07/10/24 10:53	1

Lab Sample ID: MB 410-526709/33
Matrix: Water
Analysis Batch: 526709

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			07/10/24 11:33	1

Lab Sample ID: LCS 410-526709/16
Matrix: Water
Analysis Batch: 526709

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	0.0492		mg/L		98	82 - 132

Lab Sample ID: LCS 410-526709/32
Matrix: Water
Analysis Batch: 526709

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	0.0515		mg/L		103	82 - 132

Lab Sample ID: 280-193463-2 MS
Matrix: Water
Analysis Batch: 526709

Client Sample ID: CG2
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	0.0488		mg/L		98	82 - 130

Eurofins Denver

QC Sample Results

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

Job ID: 280-193463-1

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

Lab Sample ID: 280-193463-2 MSD
Matrix: Water
Analysis Batch: 526709

Client Sample ID: CG2
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	0.0485		mg/L		97	82 - 130	1	11

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

Lab Sample ID: MB 280-659052/1
Matrix: Water
Analysis Batch: 659052

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			07/02/24 09:19	1

Lab Sample ID: LCS 280-659052/2
Matrix: Water
Analysis Batch: 659052

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)	505	489		mg/L		97	88 - 114

Lab Sample ID: MB 280-659053/1
Matrix: Water
Analysis Batch: 659053

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			07/02/24 09:22	1

Lab Sample ID: LCS 280-659053/2
Matrix: Water
Analysis Batch: 659053

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)	504	489		mg/L		97	88 - 114

Lab Sample ID: 280-193463-2 DU
Matrix: Water
Analysis Batch: 659053

Client Sample ID: CG2
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids (TDS)	970		970		mg/L		0.2	10

Method: SM 4500 S2 D - Sulfide, Total

Lab Sample ID: MB 280-659469/3-A
Matrix: Water
Analysis Batch: 659473

Client Sample ID: Method Blank
Prep Type: Dissolved

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	ND		0.050	0.022	mg/L			07/05/24 17:12	1

Eurofins Denver

QC Sample Results

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

Job ID: 280-193463-1

Method: SM 4500 S2 D - Sulfide, Total (Continued)

Lab Sample ID: LCS 280-659469/1-A
Matrix: Water
Analysis Batch: 659473

Client Sample ID: Lab Control Sample
Prep Type: Dissolved

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfide	0.501	0.520		mg/L		104	81 - 122

Lab Sample ID: LCSD 280-659469/2-A
Matrix: Water
Analysis Batch: 659473

Client Sample ID: Lab Control Sample Dup
Prep Type: Dissolved

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfide	0.501	0.522		mg/L		104	81 - 122	0	10

Lab Sample ID: 280-193463-1 MS
Matrix: Water
Analysis Batch: 659473

Client Sample ID: CG1
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfide	ND	F1	0.501	0.170	F1	mg/L		34	81 - 122

Lab Sample ID: 280-193463-1 MSD
Matrix: Water
Analysis Batch: 659473

Client Sample ID: CG1
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfide	ND	F1	0.501	0.165	F1	mg/L		33	81 - 122	3	10

Method: 900.0 - Gross Alpha and Gross Beta Radioactivity

Lab Sample ID: MB 160-669228/1-A
Matrix: Water
Analysis Batch: 670163

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 669228

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Gross Alpha	-0.3432	U	0.401	0.403	3.00	0.940	pCi/L	07/03/24 08:55	07/11/24 14:58	1
Gross Beta	0.03006	U	0.428	0.428	4.00	0.773	pCi/L	07/03/24 08:55	07/11/24 14:58	1

Lab Sample ID: LCS 160-669228/2-A
Matrix: Water
Analysis Batch: 670170

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 669228

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Gross Alpha	49.5	57.34		8.15	3.00	2.32	pCi/L	116	75 - 125

Lab Sample ID: LCSB 160-669228/3-A
Matrix: Water
Analysis Batch: 670170

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 669228

Analyte	Spike Added	LCSB Result	LCSB Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Gross Beta	71.2	67.86		7.30	4.00	0.890	pCi/L	95	75 - 125

Eurofins Denver

QC Sample Results

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

Job ID: 280-193463-1

Method: 900.0 - Gross Alpha and Gross Beta Radioactivity (Continued)

Lab Sample ID: 280-193463-3 MS
Matrix: Water
Analysis Batch: 670170

Client Sample ID: CG3
Prep Type: Total/NA
Prep Batch: 669228

Analyte	Sample Result	Sample Qual	Spike Added	MS Result	MS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Gross Alpha	4.66	U G	134	55.51	F1	11.5	3.00	7.10	pCi/L	38	60 - 140

Lab Sample ID: 280-193463-3 MSBT
Matrix: Water
Analysis Batch: 670170

Client Sample ID: CG3
Prep Type: Total/NA
Prep Batch: 669228

Analyte	Sample Result	Sample Qual	Spike Added	MSBT Result	MSBT Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Gross Beta	2.26	U	192	185.3		20.0	4.00	2.43	pCi/L	95	60 - 140

Lab Sample ID: 280-193463-3 DU
Matrix: Water
Analysis Batch: 670168

Client Sample ID: CG3
Prep Type: Total/NA
Prep Batch: 669228

Analyte	Sample Result	Sample Qual	DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	RER	RER Limit
Gross Alpha	4.66	U G	0.3997	U G	3.80	3.00	7.31	pCi/L	0.51	1
Gross Beta	2.26	U	3.063		1.70	4.00	2.48	pCi/L	0.25	1

QC Association Summary

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

Job ID: 280-193463-1

Metals

Prep Batch: 658899

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-193463-1	CG1	Total/NA	Water	3020A	
280-193463-2	CG2	Total/NA	Water	3020A	
280-193463-3	CG3	Total/NA	Water	3020A	
280-193463-4	AR1	Total/NA	Water	3020A	
280-193463-5	AR2	Total/NA	Water	3010A	
280-193463-5	AR2	Total/NA	Water	3020A	
MB 280-658899/1-A	Method Blank	Total/NA	Water	3010A	
LCS 280-658899/25-A	Lab Control Sample	Total/NA	Water	3010A	
LCS 280-658899/2-A	Lab Control Sample	Total/NA	Water	3010A	
280-193463-5 MS	AR2	Total/NA	Water	3010A	
280-193463-5 MS	AR2	Total/NA	Water	3020A	
280-193463-5 MSD	AR2	Total/NA	Water	3010A	
280-193463-5 MSD	AR2	Total/NA	Water	3020A	

Filtration Batch: 659127

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-193463-1	CG1	Dissolved	Water	Filtration	
280-193463-1	CG1	Dissolved	Water	Filtration	
280-193463-2	CG2	Dissolved	Water	Filtration	
280-193463-3	CG3	Dissolved	Water	Filtration	
280-193463-4	AR1	Dissolved	Water	Filtration	
280-193463-5	AR2	Dissolved	Water	Filtration	
MB 280-659127/1-B	Method Blank	Dissolved	Water	Filtration	
LCS 280-659127/25-B	Lab Control Sample	Dissolved	Water	Filtration	
LCS 280-659127/2-B	Lab Control Sample	Dissolved	Water	Filtration	
280-193463-1 MS	CG1	Dissolved	Water	Filtration	
280-193463-1 MS	CG1	Dissolved	Water	Filtration	
280-193463-1 MSD	CG1	Dissolved	Water	Filtration	
280-193463-1 MSD	CG1	Dissolved	Water	Filtration	

Prep Batch: 659136

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-193463-1	CG1	Dissolved	Water	3005A	659127
280-193463-1	CG1	Dissolved	Water	3005A	659127
280-193463-2	CG2	Dissolved	Water	3005A	659127
280-193463-3	CG3	Dissolved	Water	3005A	659127
280-193463-4	AR1	Dissolved	Water	3005A	659127
280-193463-5	AR2	Dissolved	Water	3005A	659127
MB 280-659127/1-B	Method Blank	Dissolved	Water	3005A	659127
LCS 280-659127/25-B	Lab Control Sample	Dissolved	Water	3005A	659127
LCS 280-659127/2-B	Lab Control Sample	Dissolved	Water	3005A	659127
280-193463-1 MS	CG1	Dissolved	Water	3005A	659127
280-193463-1 MS	CG1	Dissolved	Water	3005A	659127
280-193463-1 MSD	CG1	Dissolved	Water	3005A	659127
280-193463-1 MSD	CG1	Dissolved	Water	3005A	659127

Analysis Batch: 659180

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-193463-1	CG1	Total/NA	Water	6020B	658899
280-193463-2	CG2	Total/NA	Water	6020B	658899
280-193463-3	CG3	Total/NA	Water	6020B	658899

Eurofins Denver

QC Association Summary

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

Job ID: 280-193463-1

Metals (Continued)

Analysis Batch: 659180 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-193463-4	AR1	Total/NA	Water	6020B	658899
280-193463-5	AR2	Total/NA	Water	6020B	658899
MB 280-658899/1-A	Method Blank	Total/NA	Water	6020B	658899
LCS 280-658899/25-A	Lab Control Sample	Total/NA	Water	6020B	658899
280-193463-5 MS	AR2	Total/NA	Water	6020B	658899
280-193463-5 MSD	AR2	Total/NA	Water	6020B	658899

Analysis Batch: 659239

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 280-658899/1-A	Method Blank	Total/NA	Water	6020B	658899
LCS 280-658899/25-A	Lab Control Sample	Total/NA	Water	6020B	658899

Analysis Batch: 659362

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-193463-1	CG1	Total/NA	Water	6010D	658899
280-193463-2	CG2	Total/NA	Water	6010D	658899
280-193463-3	CG3	Total/NA	Water	6010D	658899

Analysis Batch: 659535

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-193463-1	CG1	Dissolved	Water	6010D	659136
280-193463-2	CG2	Dissolved	Water	6010D	659136
280-193463-3	CG3	Dissolved	Water	6010D	659136
280-193463-4	AR1	Dissolved	Water	6010D	659136
280-193463-4	AR1	Total/NA	Water	6010D	658899
280-193463-5	AR2	Dissolved	Water	6010D	659136
280-193463-5	AR2	Total/NA	Water	6010D	658899
MB 280-658899/1-A	Method Blank	Total/NA	Water	6010D	658899
MB 280-659127/1-B	Method Blank	Dissolved	Water	6010D	659136
LCS 280-658899/2-A	Lab Control Sample	Total/NA	Water	6010D	658899
LCS 280-659127/2-B	Lab Control Sample	Dissolved	Water	6010D	659136
280-193463-1 MS	CG1	Dissolved	Water	6010D	659136
280-193463-1 MSD	CG1	Dissolved	Water	6010D	659136
280-193463-5 MS	AR2	Total/NA	Water	6010D	658899
280-193463-5 MSD	AR2	Total/NA	Water	6010D	658899

Analysis Batch: 659629

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-193463-1	CG1	Dissolved	Water	6020B	659136
280-193463-2	CG2	Dissolved	Water	6020B	659136
280-193463-3	CG3	Dissolved	Water	6020B	659136
280-193463-4	AR1	Dissolved	Water	6020B	659136
280-193463-5	AR2	Dissolved	Water	6020B	659136
MB 280-659127/1-B	Method Blank	Dissolved	Water	6020B	659136
LCS 280-659127/25-B	Lab Control Sample	Dissolved	Water	6020B	659136
280-193463-1 MS	CG1	Dissolved	Water	6020B	659136
280-193463-1 MSD	CG1	Dissolved	Water	6020B	659136

Analysis Batch: 659851

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-193463-1	CG1	Dissolved	Water	6020B	659136

Eurofins Denver

QC Association Summary

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

Job ID: 280-193463-1

Metals (Continued)

Analysis Batch: 659851 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-193463-2	CG2	Dissolved	Water	6020B	659136
280-193463-3	CG3	Dissolved	Water	6020B	659136
280-193463-4	AR1	Dissolved	Water	6020B	659136
280-193463-5	AR2	Dissolved	Water	6020B	659136
MB 280-659127/1-B	Method Blank	Dissolved	Water	6020B	659136
LCS 280-659127/25-B	Lab Control Sample	Dissolved	Water	6020B	659136
280-193463-1 MS	CG1	Dissolved	Water	6020B	659136
280-193463-1 MSD	CG1	Dissolved	Water	6020B	659136

Analysis Batch: 659894

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-193463-1	CG1	Dissolved	Water	6010D	659136
280-193463-2	CG2	Dissolved	Water	6010D	659136
280-193463-3	CG3	Dissolved	Water	6010D	659136
280-193463-4	AR1	Dissolved	Water	6010D	659136
280-193463-5	AR2	Dissolved	Water	6010D	659136
MB 280-659127/1-B	Method Blank	Dissolved	Water	6010D	659136
LCS 280-659127/2-B	Lab Control Sample	Dissolved	Water	6010D	659136
280-193463-1 MS	CG1	Dissolved	Water	6010D	659136
280-193463-1 MSD	CG1	Dissolved	Water	6010D	659136

Prep Batch: 660832

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-193463-1	CG1	Total/NA	Water	7470A	
280-193463-2	CG2	Total/NA	Water	7470A	
280-193463-3	CG3	Total/NA	Water	7470A	
280-193463-4	AR1	Total/NA	Water	7470A	
280-193463-5	AR2	Total/NA	Water	7470A	
MB 280-660832/1-A	Method Blank	Total/NA	Water	7470A	
LCS 280-660832/2-A	Lab Control Sample	Total/NA	Water	7470A	

Analysis Batch: 660954

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-193463-1	CG1	Total/NA	Water	7470A	660832
280-193463-2	CG2	Total/NA	Water	7470A	660832
280-193463-3	CG3	Total/NA	Water	7470A	660832
280-193463-4	AR1	Total/NA	Water	7470A	660832
280-193463-5	AR2	Total/NA	Water	7470A	660832
MB 280-660832/1-A	Method Blank	Total/NA	Water	7470A	660832
LCS 280-660832/2-A	Lab Control Sample	Total/NA	Water	7470A	660832

Analysis Batch: 661033

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-193463-1	CG1	Dissolved	Water	6020B	659136
280-193463-1	CG1	Total/NA	Water	6020B	658899
280-193463-2	CG2	Total/NA	Water	6020B	658899
280-193463-3	CG3	Total/NA	Water	6020B	658899
280-193463-4	AR1	Total/NA	Water	6020B	658899
280-193463-5	AR2	Total/NA	Water	6020B	658899
280-193463-1 MS	CG1	Dissolved	Water	6020B	659136
280-193463-1 MSD	CG1	Dissolved	Water	6020B	659136

Eurofins Denver

QC Association Summary

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

Job ID: 280-193463-1

Metals (Continued)

Analysis Batch: 661033 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-193463-5 MS	AR2	Total/NA	Water	6020B	658899
280-193463-5 MSD	AR2	Total/NA	Water	6020B	658899

General Chemistry

Analysis Batch: 526709

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-193463-1	CG1	Total/NA	Water	OIA-1677	
280-193463-2	CG2	Total/NA	Water	OIA-1677	
280-193463-3	CG3	Total/NA	Water	OIA-1677	
280-193463-4	AR1	Total/NA	Water	OIA-1677	
280-193463-5	AR2	Total/NA	Water	OIA-1677	
MB 410-526709/17	Method Blank	Total/NA	Water	OIA-1677	
MB 410-526709/33	Method Blank	Total/NA	Water	OIA-1677	
LCS 410-526709/16	Lab Control Sample	Total/NA	Water	OIA-1677	
LCS 410-526709/32	Lab Control Sample	Total/NA	Water	OIA-1677	
280-193463-2 MS	CG2	Total/NA	Water	OIA-1677	
280-193463-2 MSD	CG2	Total/NA	Water	OIA-1677	

Filtration Batch: 658851

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-193463-1	CG1	Dissolved	Water	FILTRATION	
280-193463-1	CG1	Dissolved	Water	FILTRATION	
280-193463-2	CG2	Dissolved	Water	FILTRATION	
280-193463-2	CG2	Dissolved	Water	FILTRATION	
280-193463-3	CG3	Dissolved	Water	FILTRATION	
280-193463-3	CG3	Dissolved	Water	FILTRATION	
280-193463-4	AR1	Dissolved	Water	FILTRATION	
280-193463-4	AR1	Dissolved	Water	FILTRATION	
280-193463-5	AR2	Dissolved	Water	FILTRATION	
280-193463-5	AR2	Dissolved	Water	FILTRATION	
MB 280-658851/3-A	Method Blank	Dissolved	Water	FILTRATION	
LCS 280-658851/1-A	Lab Control Sample	Dissolved	Water	FILTRATION	
LCSD 280-658851/2-A	Lab Control Sample Dup	Dissolved	Water	FILTRATION	
280-193463-1 MS	CG1	Dissolved	Water	FILTRATION	
280-193463-1 MSD	CG1	Dissolved	Water	FILTRATION	
280-193463-1 DU	CG1	Dissolved	Water	FILTRATION	

Analysis Batch: 658853

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-193463-1	CG1	Dissolved	Water	7196A	658851
280-193463-1	CG1	Total/NA	Water	7196A	
280-193463-2	CG2	Dissolved	Water	7196A	658851
280-193463-2	CG2	Total/NA	Water	7196A	
280-193463-3	CG3	Dissolved	Water	7196A	658851
280-193463-3	CG3	Total/NA	Water	7196A	
280-193463-4	AR1	Dissolved	Water	7196A	658851
280-193463-4	AR1	Total/NA	Water	7196A	
280-193463-5	AR2	Dissolved	Water	7196A	658851
280-193463-5	AR2	Total/NA	Water	7196A	
MB 280-658851/3-A	Method Blank	Dissolved	Water	7196A	658851

Eurofins Denver

QC Association Summary

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

Job ID: 280-193463-1

General Chemistry (Continued)

Analysis Batch: 658853 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 280-658853/10	Method Blank	Total/NA	Water	7196A	
LCS 280-658851/1-A	Lab Control Sample	Dissolved	Water	7196A	658851
LCS 280-658853/8	Lab Control Sample	Total/NA	Water	7196A	
LCSD 280-658851/2-A	Lab Control Sample Dup	Dissolved	Water	7196A	658851
LCSD 280-658853/9	Lab Control Sample Dup	Total/NA	Water	7196A	
280-193463-1 MS	CG1	Dissolved	Water	7196A	658851
280-193463-1 MS	CG1	Total/NA	Water	7196A	
280-193463-1 MSD	CG1	Dissolved	Water	7196A	658851
280-193463-1 MSD	CG1	Total/NA	Water	7196A	
280-193463-1 DU	CG1	Dissolved	Water	7196A	658851
280-193463-1 DU	CG1	Total/NA	Water	7196A	

Analysis Batch: 658867

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-193463-1	CG1	Total/NA	Water	300.0	
280-193463-2	CG2	Total/NA	Water	300.0	
280-193463-3	CG3	Total/NA	Water	300.0	
280-193463-4	AR1	Total/NA	Water	300.0	
280-193463-5	AR2	Total/NA	Water	300.0	
MB 280-658867/42	Method Blank	Total/NA	Water	300.0	
MB 280-658867/6	Method Blank	Total/NA	Water	300.0	
LCS 280-658867/4	Lab Control Sample	Total/NA	Water	300.0	
LCS 280-658867/40	Lab Control Sample	Total/NA	Water	300.0	
LCSD 280-658867/41	Lab Control Sample Dup	Total/NA	Water	300.0	
LCSD 280-658867/5	Lab Control Sample Dup	Total/NA	Water	300.0	
MRL 280-658867/3	Lab Control Sample	Total/NA	Water	300.0	
280-193463-3 MS	CG3	Total/NA	Water	300.0	
280-193463-3 MSD	CG3	Total/NA	Water	300.0	
280-193463-3 DU	CG3	Total/NA	Water	300.0	

Analysis Batch: 658871

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-193463-1	CG1	Dissolved	Water	7196A	658851
280-193463-1	CG1	Total/NA	Water	7196A	
280-193463-2	CG2	Dissolved	Water	7196A	658851
280-193463-2	CG2	Total/NA	Water	7196A	
280-193463-3	CG3	Dissolved	Water	7196A	658851
280-193463-3	CG3	Total/NA	Water	7196A	
280-193463-4	AR1	Dissolved	Water	7196A	658851
280-193463-4	AR1	Total/NA	Water	7196A	
280-193463-5	AR2	Dissolved	Water	7196A	658851
280-193463-5	AR2	Total/NA	Water	7196A	

Analysis Batch: 659052

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-193463-1	CG1	Total/NA	Water	SM 2540C	
MB 280-659052/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 280-659052/2	Lab Control Sample	Total/NA	Water	SM 2540C	

Eurofins Denver

QC Association Summary

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

Job ID: 280-193463-1

General Chemistry

Analysis Batch: 659053

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-193463-2	CG2	Total/NA	Water	SM 2540C	
280-193463-3	CG3	Total/NA	Water	SM 2540C	
280-193463-4	AR1	Total/NA	Water	SM 2540C	
280-193463-5	AR2	Total/NA	Water	SM 2540C	
MB 280-659053/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 280-659053/2	Lab Control Sample	Total/NA	Water	SM 2540C	
280-193463-2 DU	CG2	Total/NA	Water	SM 2540C	

Analysis Batch: 659155

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-193463-1	CG1	Total/NA	Water	350.1	
280-193463-2	CG2	Total/NA	Water	350.1	
280-193463-3	CG3	Total/NA	Water	350.1	
280-193463-4	AR1	Total/NA	Water	350.1	
280-193463-5	AR2	Total/NA	Water	350.1	
MB 280-659155/63	Method Blank	Total/NA	Water	350.1	
LCS 280-659155/64	Lab Control Sample	Total/NA	Water	350.1	

Analysis Batch: 659231

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-193463-2	CG2	Dissolved	Water	300.0	659265
280-193463-2	CG2	Dissolved	Water	300.0	659265
280-193463-3	CG3	Dissolved	Water	300.0	659265
280-193463-3	CG3	Dissolved	Water	300.0	659265
280-193463-4	AR1	Dissolved	Water	300.0	659265
280-193463-5	AR2	Dissolved	Water	300.0	659265
MB 280-659265/3-A	Method Blank	Dissolved	Water	300.0	659265
LCS 280-659265/1-A	Lab Control Sample	Dissolved	Water	300.0	659265
LCSD 280-659265/2-A	Lab Control Sample Dup	Dissolved	Water	300.0	659265
MRL 280-659231/3	Lab Control Sample	Total/NA	Water	300.0	
280-193463-5 MS	AR2	Dissolved	Water	300.0	659265
280-193463-5 MSD	AR2	Dissolved	Water	300.0	659265
280-193463-5 DU	AR2	Dissolved	Water	300.0	659265

Filtration Batch: 659265

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-193463-2	CG2	Dissolved	Water	FILTRATION	
280-193463-3	CG3	Dissolved	Water	FILTRATION	
280-193463-4	AR1	Dissolved	Water	FILTRATION	
280-193463-5	AR2	Dissolved	Water	FILTRATION	
MB 280-659265/3-A	Method Blank	Dissolved	Water	FILTRATION	
LCS 280-659265/1-A	Lab Control Sample	Dissolved	Water	FILTRATION	
LCSD 280-659265/2-A	Lab Control Sample Dup	Dissolved	Water	FILTRATION	
280-193463-5 MS	AR2	Dissolved	Water	FILTRATION	
280-193463-5 MSD	AR2	Dissolved	Water	FILTRATION	
280-193463-5 DU	AR2	Dissolved	Water	FILTRATION	

Filtration Batch: 659469

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-193463-1	CG1	Dissolved	Water	FILTRATION	
280-193463-2	CG2	Dissolved	Water	FILTRATION	

Eurofins Denver

QC Association Summary

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

Job ID: 280-193463-1

General Chemistry (Continued)

Filtration Batch: 659469 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-193463-3	CG3	Dissolved	Water	FILTRATION	
280-193463-4	AR1	Dissolved	Water	FILTRATION	
280-193463-5	AR2	Dissolved	Water	FILTRATION	
MB 280-659469/3-A	Method Blank	Dissolved	Water	FILTRATION	
LCS 280-659469/1-A	Lab Control Sample	Dissolved	Water	FILTRATION	
LCSD 280-659469/2-A	Lab Control Sample Dup	Dissolved	Water	FILTRATION	
280-193463-1 MS	CG1	Dissolved	Water	FILTRATION	
280-193463-1 MSD	CG1	Dissolved	Water	FILTRATION	

Analysis Batch: 659473

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-193463-1	CG1	Dissolved	Water	SM 4500 S2 D	659469
280-193463-2	CG2	Dissolved	Water	SM 4500 S2 D	659469
280-193463-3	CG3	Dissolved	Water	SM 4500 S2 D	659469
280-193463-4	AR1	Dissolved	Water	SM 4500 S2 D	659469
280-193463-5	AR2	Dissolved	Water	SM 4500 S2 D	659469
MB 280-659469/3-A	Method Blank	Dissolved	Water	SM 4500 S2 D	659469
LCS 280-659469/1-A	Lab Control Sample	Dissolved	Water	SM 4500 S2 D	659469
LCSD 280-659469/2-A	Lab Control Sample Dup	Dissolved	Water	SM 4500 S2 D	659469
280-193463-1 MS	CG1	Dissolved	Water	SM 4500 S2 D	659469
280-193463-1 MSD	CG1	Dissolved	Water	SM 4500 S2 D	659469

Analysis Batch: 660027

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-193463-1	CG1	Dissolved	Water	300.0	660120
280-193463-1	CG1	Dissolved	Water	300.0	660120
MB 280-660027/47	Method Blank	Total/NA	Water	300.0	
MB 280-660120/3-A	Method Blank	Dissolved	Water	300.0	660120
LCS 280-660027/45	Lab Control Sample	Total/NA	Water	300.0	
LCS 280-660120/1-A	Lab Control Sample	Dissolved	Water	300.0	660120
LCSD 280-660027/46	Lab Control Sample Dup	Total/NA	Water	300.0	
LCSD 280-660120/2-A	Lab Control Sample Dup	Dissolved	Water	300.0	660120
MRL 280-660027/3	Lab Control Sample	Total/NA	Water	300.0	

Filtration Batch: 660085

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-193463-1	CG1	Dissolved	Water	FILTRATION	
280-193463-2	CG2	Dissolved	Water	FILTRATION	
280-193463-3	CG3	Dissolved	Water	FILTRATION	
280-193463-4	AR1	Dissolved	Water	FILTRATION	
280-193463-5	AR2	Dissolved	Water	FILTRATION	
MB 280-660085/5-B	Method Blank	Dissolved	Water	FILTRATION	
LCS 280-660085/3-B	Lab Control Sample	Dissolved	Water	FILTRATION	
LCSD 280-660085/4-B	Lab Control Sample Dup	Dissolved	Water	FILTRATION	
280-193463-1 MS	CG1	Dissolved	Water	FILTRATION	
280-193463-1 MSD	CG1	Dissolved	Water	FILTRATION	

Prep Batch: 660114

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-193463-1	CG1	Dissolved	Water	365.2/365.3/365	660085
280-193463-2	CG2	Dissolved	Water	365.2/365.3/365	660085

Eurofins Denver

QC Association Summary

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

Job ID: 280-193463-1

General Chemistry (Continued)

Prep Batch: 660114 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-193463-3	CG3	Dissolved	Water	365.2/365.3/365	660085
280-193463-4	AR1	Dissolved	Water	365.2/365.3/365	660085
280-193463-5	AR2	Dissolved	Water	365.2/365.3/365	660085
MB 280-660085/5-B	Method Blank	Dissolved	Water	365.2/365.3/365	660085
LCS 280-660085/3-B	Lab Control Sample	Dissolved	Water	365.2/365.3/365	660085
LCSD 280-660085/4-B	Lab Control Sample Dup	Dissolved	Water	365.2/365.3/365	660085
280-193463-1 MS	CG1	Dissolved	Water	365.2/365.3/365	660085
280-193463-1 MSD	CG1	Dissolved	Water	365.2/365.3/365	660085

Filtration Batch: 660120

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-193463-1	CG1	Dissolved	Water	FILTRATION	
MB 280-660120/3-A	Method Blank	Dissolved	Water	FILTRATION	
LCS 280-660120/1-A	Lab Control Sample	Dissolved	Water	FILTRATION	
LCSD 280-660120/2-A	Lab Control Sample Dup	Dissolved	Water	FILTRATION	

Analysis Batch: 660306

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-193463-1	CG1	Dissolved	Water	365.1	660114
280-193463-2	CG2	Dissolved	Water	365.1	660114
280-193463-3	CG3	Dissolved	Water	365.1	660114
280-193463-4	AR1	Dissolved	Water	365.1	660114
280-193463-5	AR2	Dissolved	Water	365.1	660114
MB 280-660085/5-B	Method Blank	Dissolved	Water	365.1	660114
LCS 280-660085/3-B	Lab Control Sample	Dissolved	Water	365.1	660114
LCSD 280-660085/4-B	Lab Control Sample Dup	Dissolved	Water	365.1	660114
280-193463-1 MS	CG1	Dissolved	Water	365.1	660114
280-193463-1 MSD	CG1	Dissolved	Water	365.1	660114

Rad

Prep Batch: 669228

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-193463-1	CG1	Total/NA	Water	Evaporation	
280-193463-2	CG2	Total/NA	Water	Evaporation	
280-193463-3	CG3	Total/NA	Water	Evaporation	
280-193463-4	AR1	Total/NA	Water	Evaporation	
280-193463-5	AR2	Total/NA	Water	Evaporation	
MB 160-669228/1-A	Method Blank	Total/NA	Water	Evaporation	
LCS 160-669228/2-A	Lab Control Sample	Total/NA	Water	Evaporation	
LCSB 160-669228/3-A	Lab Control Sample	Total/NA	Water	Evaporation	
280-193463-3 MS	CG3	Total/NA	Water	Evaporation	
280-193463-3 MSBT	CG3	Total/NA	Water	Evaporation	
280-193463-3 DU	CG3	Total/NA	Water	Evaporation	

Lab Chronicle

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

Job ID: 280-193463-1

Client Sample ID: CG1

Lab Sample ID: 280-193463-1

Date Collected: 06/28/24 15:00

Matrix: Water

Date Received: 06/29/24 09:43

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	659127	07/02/24 15:12	KLG	EET DEN
Dissolved	Prep	3005A			50 mL	50 mL	659136	07/05/24 08:30	KLG	EET DEN
Dissolved	Analysis	6010D		1			659535	07/05/24 22:42	ADL	EET DEN
Dissolved	Filtration	Filtration			50 mL	50 mL	659127	07/02/24 15:12	KLG	EET DEN
Dissolved	Prep	3005A			50 mL	50 mL	659136	07/05/24 08:30	KLG	EET DEN
Dissolved	Analysis	6010D		1			659894	07/10/24 01:05	ADL	EET DEN
Total/NA	Prep	3020A			50 mL	50 mL	658899	07/02/24 08:25	KLG	EET DEN
Total/NA	Analysis	6010D		1			659362	07/03/24 20:06	ADL	EET DEN
Dissolved	Filtration	Filtration			50 mL	50 mL	659127	07/02/24 15:30	KLG	EET DEN
Dissolved	Prep	3005A			50 mL	50 mL	659136	07/05/24 08:30	KLG	EET DEN
Dissolved	Analysis	6020B		1			659629	07/08/24 15:06	LMT	EET DEN
Dissolved	Filtration	Filtration			50 mL	50 mL	659127	07/02/24 15:30	KLG	EET DEN
Dissolved	Prep	3005A			50 mL	50 mL	659136	07/05/24 08:30	KLG	EET DEN
Dissolved	Analysis	6020B		10			659851	07/09/24 18:46	LMT	EET DEN
Dissolved	Filtration	Filtration			50 mL	50 mL	659127	07/02/24 15:30	KLG	EET DEN
Dissolved	Prep	3005A			50 mL	50 mL	659136	07/05/24 08:30	KLG	EET DEN
Dissolved	Analysis	6020B		1			661033	07/18/24 17:31	LMT	EET DEN
Total/NA	Prep	3020A			50 mL	50 mL	658899	07/02/24 08:25	KLG	EET DEN
Total/NA	Analysis	6020B		1			659180	07/02/24 20:22	LMT	EET DEN
Total/NA	Prep	3020A			50 mL	50 mL	658899	07/02/24 08:25	KLG	EET DEN
Total/NA	Analysis	6020B		1			661033	07/18/24 20:09	LMT	EET DEN
Total/NA	Prep	7470A			30 mL	50 mL	660832	07/17/24 18:10	CAF	EET DEN
Total/NA	Analysis	7470A		1			660954	07/17/24 22:58	CAF	EET DEN
Dissolved	Filtration	FILTRATION			10 mL	10 mL	660120	07/11/24 13:57	IRC	EET DEN
Dissolved	Analysis	300.0		1	10 mL	10 mL	660027	07/12/24 03:03	EJS	EET DEN
Dissolved	Filtration	FILTRATION			10 mL	10 mL	660120	07/11/24 13:57	IRC	EET DEN
Dissolved	Analysis	300.0		10	10 mL	10 mL	660027	07/12/24 03:14	EJS	EET DEN
Total/NA	Analysis	300.0		1	10 mL	10 mL	658867	06/30/24 08:26	IRC	EET DEN
Total/NA	Analysis	350.1		1	10 mL	10 mL	659155	07/02/24 13:41	LBR	EET DEN
Dissolved	Filtration	FILTRATION			50 mL	50 mL	660085	07/11/24 12:27	LL	EET DEN
Dissolved	Prep	365.2/365.3/365			50 mL	50 mL	660114	07/11/24 13:24	LL	EET DEN
Dissolved	Analysis	365.1		1	2 mL	2 mL	660306	07/12/24 17:09	LL	EET DEN
Dissolved	Filtration	FILTRATION			2 mL	2 mL	658851	06/29/24 12:36	CLP	EET DEN
Dissolved	Analysis	7196A		1	2 mL	2 mL	658853	06/29/24 13:03	CLP	EET DEN
Dissolved	Filtration	FILTRATION			2 mL	2 mL	658851	06/29/24 12:36	CLP	EET DEN
Dissolved	Analysis	7196A		1			658871	07/01/24 00:23	S1S	EET DEN
Total/NA	Analysis	7196A		1	2 mL	2 mL	658853	06/29/24 12:54	CLP	EET DEN
Total/NA	Analysis	7196A		1			658871	07/01/24 00:23	S1S	EET DEN
Total/NA	Analysis	OIA-1677		1			526709	07/10/24 11:21	UJE2	ELLE
Total/NA	Analysis	SM 2540C		1	50 mL	100 mL	659052	07/02/24 09:19	BRD	EET DEN
Dissolved	Filtration	FILTRATION			25 mL	25 mL	659469	07/05/24 16:58	CLP	EET DEN
Dissolved	Analysis	SM 4500 S2 D		1	2 mL	2 mL	659473	07/05/24 17:13	CLP	EET DEN
Total/NA	Prep	Evaporation			45.00 mL	1.0 g	669228	07/03/24 08:55	KAC	EET SL
Total/NA	Analysis	900.0		1			670168	07/11/24 19:02	SWS	EET SL

Eurofins Denver

Lab Chronicle

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

Job ID: 280-193463-1

Client Sample ID: CG2

Lab Sample ID: 280-193463-2

Date Collected: 06/28/24 15:45

Matrix: Water

Date Received: 06/29/24 09:43

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	659127	07/02/24 15:30	KLG	EET DEN
Dissolved	Prep	3005A			50 mL	50 mL	659136	07/05/24 08:30	KLG	EET DEN
Dissolved	Analysis	6010D		1			659535	07/05/24 23:04	ADL	EET DEN
Dissolved	Filtration	Filtration			50 mL	50 mL	659127	07/02/24 15:30	KLG	EET DEN
Dissolved	Prep	3005A			50 mL	50 mL	659136	07/05/24 08:30	KLG	EET DEN
Dissolved	Analysis	6010D		1			659894	07/10/24 01:40	ADL	EET DEN
Total/NA	Prep	3020A			50 mL	50 mL	658899	07/02/24 08:25	KLG	EET DEN
Total/NA	Analysis	6010D		1			659362	07/03/24 20:23	ADL	EET DEN
Dissolved	Filtration	Filtration			50 mL	50 mL	659127	07/02/24 15:30	KLG	EET DEN
Dissolved	Prep	3005A			50 mL	50 mL	659136	07/05/24 08:30	KLG	EET DEN
Dissolved	Analysis	6020B		1			659629	07/08/24 15:31	LMT	EET DEN
Dissolved	Filtration	Filtration			50 mL	50 mL	659127	07/02/24 15:30	KLG	EET DEN
Dissolved	Prep	3005A			50 mL	50 mL	659136	07/05/24 08:30	KLG	EET DEN
Dissolved	Analysis	6020B		10			659851	07/09/24 19:04	LMT	EET DEN
Total/NA	Prep	3020A			50 mL	50 mL	658899	07/02/24 08:25	KLG	EET DEN
Total/NA	Analysis	6020B		1			659180	07/02/24 20:24	LMT	EET DEN
Total/NA	Prep	3020A			50 mL	50 mL	658899	07/02/24 08:25	KLG	EET DEN
Total/NA	Analysis	6020B		1			661033	07/18/24 20:16	LMT	EET DEN
Total/NA	Prep	7470A			30 mL	50 mL	660832	07/17/24 18:10	CAF	EET DEN
Total/NA	Analysis	7470A		1			660954	07/17/24 23:00	CAF	EET DEN
Dissolved	Filtration	FILTRATION			10 mL	10 mL	659265	07/03/24 12:48	IRC	EET DEN
Dissolved	Analysis	300.0		1	10 mL	10 mL	659231	07/04/24 02:30	IRC	EET DEN
Dissolved	Filtration	FILTRATION			10 mL	10 mL	659265	07/03/24 12:48	IRC	EET DEN
Dissolved	Analysis	300.0		5	10 mL	10 mL	659231	07/04/24 02:41	IRC	EET DEN
Total/NA	Analysis	300.0		1	10 mL	10 mL	658867	06/30/24 09:00	IRC	EET DEN
Total/NA	Analysis	350.1		1	10 mL	10 mL	659155	07/02/24 13:44	LBR	EET DEN
Dissolved	Filtration	FILTRATION			50 mL	50 mL	660085	07/11/24 12:27	LL	EET DEN
Dissolved	Prep	365.2/365.3/365			50 mL	50 mL	660114	07/11/24 13:24	LL	EET DEN
Dissolved	Analysis	365.1		1	2 mL	2 mL	660306	07/12/24 17:09	LL	EET DEN
Dissolved	Filtration	FILTRATION			2 mL	2 mL	658851	06/29/24 12:36	CLP	EET DEN
Dissolved	Analysis	7196A		1	2 mL	2 mL	658853	06/29/24 13:05	CLP	EET DEN
Dissolved	Filtration	FILTRATION			2 mL	2 mL	658851	06/29/24 12:36	CLP	EET DEN
Dissolved	Analysis	7196A		1			658871	07/01/24 00:23	S1S	EET DEN
Total/NA	Analysis	7196A		1	2 mL	2 mL	658853	06/29/24 12:55	CLP	EET DEN
Total/NA	Analysis	7196A		1			658871	07/01/24 00:23	S1S	EET DEN
Total/NA	Analysis	OIA-1677		1			526709	07/10/24 11:36	UJE2	ELLE
Total/NA	Analysis	SM 2540C		1	50 mL	100 mL	659053	07/02/24 09:22	BRD	EET DEN
Dissolved	Filtration	FILTRATION			25 mL	25 mL	659469	07/05/24 16:58	CLP	EET DEN
Dissolved	Analysis	SM 4500 S2 D		1	2 mL	2 mL	659473	07/05/24 17:24	CLP	EET DEN
Total/NA	Prep	Evaporation			58.03 mL	1.0 g	669228	07/03/24 08:55	KAC	EET SL
Total/NA	Analysis	900.0		1			670168	07/11/24 19:02	SWS	EET SL

Eurofins Denver

Lab Chronicle

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

Job ID: 280-193463-1

Client Sample ID: CG3

Lab Sample ID: 280-193463-3

Date Collected: 06/28/24 16:00

Matrix: Water

Date Received: 06/29/24 09:43

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	659127	07/02/24 15:30	KLG	EET DEN
Dissolved	Prep	3005A			50 mL	50 mL	659136	07/05/24 08:30	KLG	EET DEN
Dissolved	Analysis	6010D		1			659535	07/05/24 23:08	ADL	EET DEN
Dissolved	Filtration	Filtration			50 mL	50 mL	659127	07/02/24 15:30	KLG	EET DEN
Dissolved	Prep	3005A			50 mL	50 mL	659136	07/05/24 08:30	KLG	EET DEN
Dissolved	Analysis	6010D		1			659894	07/10/24 01:44	ADL	EET DEN
Total/NA	Prep	3020A			50 mL	50 mL	658899	07/02/24 08:25	KLG	EET DEN
Total/NA	Analysis	6010D		1			659362	07/03/24 20:27	ADL	EET DEN
Dissolved	Filtration	Filtration			50 mL	50 mL	659127	07/02/24 15:30	KLG	EET DEN
Dissolved	Prep	3005A			50 mL	50 mL	659136	07/05/24 08:30	KLG	EET DEN
Dissolved	Analysis	6020B		1			659629	07/08/24 15:35	LMT	EET DEN
Dissolved	Filtration	Filtration			50 mL	50 mL	659127	07/02/24 15:30	KLG	EET DEN
Dissolved	Prep	3005A			50 mL	50 mL	659136	07/05/24 08:30	KLG	EET DEN
Dissolved	Analysis	6020B		10			659851	07/09/24 19:08	LMT	EET DEN
Total/NA	Prep	3020A			50 mL	50 mL	658899	07/02/24 08:25	KLG	EET DEN
Total/NA	Analysis	6020B		1			659180	07/02/24 20:26	LMT	EET DEN
Total/NA	Prep	3020A			50 mL	50 mL	658899	07/02/24 08:25	KLG	EET DEN
Total/NA	Analysis	6020B		1			661033	07/18/24 20:19	LMT	EET DEN
Total/NA	Prep	7470A			30 mL	50 mL	660832	07/17/24 18:10	CAF	EET DEN
Total/NA	Analysis	7470A		1			660954	07/17/24 23:03	CAF	EET DEN
Dissolved	Filtration	FILTRATION			10 mL	10 mL	659265	07/03/24 12:48	IRC	EET DEN
Dissolved	Analysis	300.0		1	10 mL	10 mL	659231	07/04/24 02:52	IRC	EET DEN
Dissolved	Filtration	FILTRATION			10 mL	10 mL	659265	07/03/24 12:48	IRC	EET DEN
Dissolved	Analysis	300.0		5	10 mL	10 mL	659231	07/04/24 03:03	IRC	EET DEN
Total/NA	Analysis	300.0		1	10 mL	10 mL	658867	06/30/24 10:08	IRC	EET DEN
Total/NA	Analysis	350.1		1	10 mL	10 mL	659155	07/02/24 13:46	LBR	EET DEN
Dissolved	Filtration	FILTRATION			50 mL	50 mL	660085	07/11/24 12:27	LL	EET DEN
Dissolved	Prep	365.2/365.3/365			50 mL	50 mL	660114	07/11/24 13:24	LL	EET DEN
Dissolved	Analysis	365.1		1	2 mL	2 mL	660306	07/12/24 17:10	LL	EET DEN
Dissolved	Filtration	FILTRATION			2 mL	2 mL	658851	06/29/24 12:36	CLP	EET DEN
Dissolved	Analysis	7196A		1	2 mL	2 mL	658853	06/29/24 13:05	CLP	EET DEN
Dissolved	Filtration	FILTRATION			2 mL	2 mL	658851	06/29/24 12:36	CLP	EET DEN
Dissolved	Analysis	7196A		1			658871	07/08/24 02:39	S1S	EET DEN
Total/NA	Analysis	7196A		1	2 mL	2 mL	658853	06/29/24 12:56	CLP	EET DEN
Total/NA	Analysis	7196A		1			658871	07/01/24 00:23	S1S	EET DEN
Total/NA	Analysis	OIA-1677		1			526709	07/10/24 11:51	UJE2	ELLE
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	659053	07/02/24 09:22	BRD	EET DEN
Dissolved	Filtration	FILTRATION			25 mL	25 mL	659469	07/05/24 16:58	CLP	EET DEN
Dissolved	Analysis	SM 4500 S2 D		1	2 mL	2 mL	659473	07/05/24 17:14	CLP	EET DEN
Total/NA	Prep	Evaporation			74.03 mL	1.0 g	669228	07/03/24 08:55	KAC	EET SL
Total/NA	Analysis	900.0		1			670168	07/11/24 19:02	SWS	EET SL

Eurofins Denver

Lab Chronicle

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

Job ID: 280-193463-1

Client Sample ID: AR1

Lab Sample ID: 280-193463-4

Date Collected: 06/28/24 16:30

Matrix: Water

Date Received: 06/29/24 09:43

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	659127	07/02/24 15:30	KLG	EET DEN
Dissolved	Prep	3005A			50 mL	50 mL	659136	07/05/24 08:30	KLG	EET DEN
Dissolved	Analysis	6010D		1			659535	07/05/24 23:13	ADL	EET DEN
Dissolved	Filtration	Filtration			50 mL	50 mL	659127	07/02/24 15:30	KLG	EET DEN
Dissolved	Prep	3005A			50 mL	50 mL	659136	07/05/24 08:30	KLG	EET DEN
Dissolved	Analysis	6010D		1			659894	07/10/24 01:48	ADL	EET DEN
Total/NA	Prep	3020A			50 mL	50 mL	658899	07/02/24 08:25	KLG	EET DEN
Total/NA	Analysis	6010D		1			659535	07/05/24 17:01	ADL	EET DEN
Dissolved	Filtration	Filtration			50 mL	50 mL	659127	07/02/24 15:30	KLG	EET DEN
Dissolved	Prep	3005A			50 mL	50 mL	659136	07/05/24 08:30	KLG	EET DEN
Dissolved	Analysis	6020B		1			659629	07/08/24 15:38	LMT	EET DEN
Dissolved	Filtration	Filtration			50 mL	50 mL	659127	07/02/24 15:30	KLG	EET DEN
Dissolved	Prep	3005A			50 mL	50 mL	659136	07/05/24 08:30	KLG	EET DEN
Dissolved	Analysis	6020B		1			659851	07/09/24 17:27	LMT	EET DEN
Total/NA	Prep	3020A			50 mL	50 mL	658899	07/02/24 08:25	KLG	EET DEN
Total/NA	Analysis	6020B		1			659180	07/02/24 20:33	LMT	EET DEN
Total/NA	Prep	3020A			50 mL	50 mL	658899	07/02/24 08:25	KLG	EET DEN
Total/NA	Analysis	6020B		1			661033	07/18/24 20:21	LMT	EET DEN
Total/NA	Prep	7470A			30 mL	50 mL	660832	07/17/24 18:10	CAF	EET DEN
Total/NA	Analysis	7470A		1			660954	07/17/24 23:05	CAF	EET DEN
Dissolved	Filtration	FILTRATION			10 mL	10 mL	659265	07/03/24 12:48	IRC	EET DEN
Dissolved	Analysis	300.0		1	10 mL	10 mL	659231	07/04/24 03:14	IRC	EET DEN
Total/NA	Analysis	300.0		1	10 mL	10 mL	658867	06/30/24 11:16	IRC	EET DEN
Total/NA	Analysis	350.1		1	10 mL	10 mL	659155	07/02/24 13:48	LBR	EET DEN
Dissolved	Filtration	FILTRATION			50 mL	50 mL	660085	07/11/24 12:27	LL	EET DEN
Dissolved	Prep	365.2/365.3/365			50 mL	50 mL	660114	07/11/24 13:24	LL	EET DEN
Dissolved	Analysis	365.1		1	2 mL	2 mL	660306	07/12/24 17:10	LL	EET DEN
Dissolved	Filtration	FILTRATION			2 mL	2 mL	658851	06/29/24 12:36	CLP	EET DEN
Dissolved	Analysis	7196A		1	2 mL	2 mL	658853	06/29/24 13:06	CLP	EET DEN
Dissolved	Filtration	FILTRATION			2 mL	2 mL	658851	06/29/24 12:36	CLP	EET DEN
Dissolved	Analysis	7196A		1			658871	07/08/24 02:39	S1S	EET DEN
Total/NA	Analysis	7196A		1	2 mL	2 mL	658853	06/29/24 12:56	CLP	EET DEN
Total/NA	Analysis	7196A		1			658871	07/01/24 00:23	S1S	EET DEN
Total/NA	Analysis	OIA-1677		1			526709	07/10/24 11:28	UJE2	ELLE
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	659053	07/02/24 09:22	BRD	EET DEN
Dissolved	Filtration	FILTRATION			25 mL	25 mL	659469	07/05/24 16:58	CLP	EET DEN
Dissolved	Analysis	SM 4500 S2 D		1	2 mL	2 mL	659473	07/05/24 17:15	CLP	EET DEN
Total/NA	Prep	Evaporation			200.01 mL	1.0 g	669228	07/03/24 08:55	KAC	EET SL
Total/NA	Analysis	900.0		1			670168	07/11/24 19:02	SWS	EET SL

Eurofins Denver

Lab Chronicle

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

Job ID: 280-193463-1

Client Sample ID: AR2

Lab Sample ID: 280-193463-5

Date Collected: 06/28/24 16:15

Matrix: Water

Date Received: 06/29/24 09:43

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	659127	07/02/24 15:30	KLG	EET DEN
Dissolved	Prep	3005A			50 mL	50 mL	659136	07/05/24 08:30	KLG	EET DEN
Dissolved	Analysis	6010D		1			659535	07/05/24 23:17	ADL	EET DEN
Dissolved	Filtration	Filtration			50 mL	50 mL	659127	07/02/24 15:30	KLG	EET DEN
Dissolved	Prep	3005A			50 mL	50 mL	659136	07/05/24 08:30	KLG	EET DEN
Dissolved	Analysis	6010D		1			659894	07/10/24 01:52	ADL	EET DEN
Total/NA	Prep	3010A			50 mL	50 mL	658899	07/02/24 08:25	KLG	EET DEN
Total/NA	Analysis	6010D		1			659535	07/05/24 17:05	ADL	EET DEN
Dissolved	Filtration	Filtration			50 mL	50 mL	659127	07/02/24 15:30	KLG	EET DEN
Dissolved	Prep	3005A			50 mL	50 mL	659136	07/05/24 08:30	KLG	EET DEN
Dissolved	Analysis	6020B		1			659629	07/08/24 15:42	LMT	EET DEN
Dissolved	Filtration	Filtration			50 mL	50 mL	659127	07/02/24 15:30	KLG	EET DEN
Dissolved	Prep	3005A			50 mL	50 mL	659136	07/05/24 08:30	KLG	EET DEN
Dissolved	Analysis	6020B		1			659851	07/09/24 17:31	LMT	EET DEN
Total/NA	Prep	3020A			50 mL	50 mL	658899	07/02/24 08:25	KLG	EET DEN
Total/NA	Analysis	6020B		1			659180	07/02/24 20:36	LMT	EET DEN
Total/NA	Prep	3020A			50 mL	50 mL	658899	07/02/24 08:25	KLG	EET DEN
Total/NA	Analysis	6020B		1			661033	07/18/24 20:24	LMT	EET DEN
Total/NA	Prep	7470A			30 mL	50 mL	660832	07/17/24 18:10	CAF	EET DEN
Total/NA	Analysis	7470A		1			660954	07/17/24 23:08	CAF	EET DEN
Dissolved	Filtration	FILTRATION			10 mL	10 mL	659265	07/03/24 12:48	IRC	EET DEN
Dissolved	Analysis	300.0		1	10 mL	10 mL	659231	07/04/24 03:25	IRC	EET DEN
Total/NA	Analysis	300.0		1	10 mL	10 mL	658867	06/30/24 11:33	IRC	EET DEN
Total/NA	Analysis	350.1		1	10 mL	10 mL	659155	07/02/24 13:50	LBR	EET DEN
Dissolved	Filtration	FILTRATION			50 mL	50 mL	660085	07/11/24 12:27	LL	EET DEN
Dissolved	Prep	365.2/365.3/365			50 mL	50 mL	660114	07/11/24 13:24	LL	EET DEN
Dissolved	Analysis	365.1		1	2 mL	2 mL	660306	07/12/24 17:10	LL	EET DEN
Dissolved	Filtration	FILTRATION			2 mL	2 mL	658851	06/29/24 12:36	CLP	EET DEN
Dissolved	Analysis	7196A		1	2 mL	2 mL	658853	06/29/24 13:06	CLP	EET DEN
Dissolved	Filtration	FILTRATION			2 mL	2 mL	658851	06/29/24 12:36	CLP	EET DEN
Dissolved	Analysis	7196A		1			658871	07/08/24 02:39	S1S	EET DEN
Total/NA	Analysis	7196A		1	2 mL	2 mL	658853	06/29/24 12:57	CLP	EET DEN
Total/NA	Analysis	7196A		1			658871	07/01/24 00:23	S1S	EET DEN
Total/NA	Analysis	OIA-1677		1			526709	07/10/24 11:26	UJE2	ELLE
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	659053	07/02/24 09:22	BRD	EET DEN
Dissolved	Filtration	FILTRATION			25 mL	25 mL	659469	07/05/24 16:58	CLP	EET DEN
Dissolved	Analysis	SM 4500 S2 D		1	2 mL	2 mL	659473	07/05/24 17:15	CLP	EET DEN
Total/NA	Prep	Evaporation			200.01 mL	1.0 g	669228	07/03/24 08:55	KAC	EET SL
Total/NA	Analysis	900.0		1			670170	07/11/24 18:52	SWS	EET SL

Laboratory References:

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

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

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

Eurofins Denver

Accreditation/Certification Summary

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

Job ID: 280-193463-1

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	State	CO00026	06-30-25
Connecticut	State	PH-0686	09-30-24
Florida	NELAP	E87667-57	06-30-24 *
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	08-02-24
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	01-08-24 *
Oklahoma	NELAP	8614	08-31-24
Oregon	NELAP	4025-020	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	T104704183-23-23	09-30-24
USDA	US Federal Programs	P330-20-00065	12-19-25
Utah	NELAP	QUAN5	06-30-13 *
Utah	NELAP	CO000262019-11	07-31-24
Virginia	NELAP	460232	06-14-25
Washington	State	C583	08-03-24
West Virginia DEP	State	354	11-30-24
Wisconsin	State	999615430	08-31-24
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	11-30-24
A2LA	ISO/IEC 17025	0001.01	11-30-24
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
Arkansas DEQ	State	88-00660	08-09-24
California	State	2792	11-30-24

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

Eurofins Denver

Accreditation/Certification Summary

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

Job ID: 280-193463-1

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
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	11-30-24
Kentucky (WW)	State	KY90088	12-31-24
Louisiana (All)	NELAP	02055	06-30-25
Maine	State	2019012	03-12-25
Maryland	State	100	06-30-25
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	12-31-24
North Dakota	State	R-205	01-31-24 *
Oklahoma	NELAP	9804	08-31-24
Oregon	NELAP	PA200001	09-11-24
Pennsylvania	NELAP	36-00037	01-31-25
Quebec Ministry of Environment and Fight against Climate Change	PALA	507	09-16-24
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	08-31-24
USDA	US Federal Programs	525-22-298-19481	10-25-25
Vermont	State	VT - 36037	10-28-24
Virginia	NELAP	460182	06-14-25
Washington	State	C457	04-11-24 *
West Virginia (DW)	State	9906 C	01-31-25
West Virginia DEP	State	055	07-31-24
Wyoming	State	8TMS-L	01-31-25
Wyoming (UST)	A2LA	0001.01	11-30-24

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
-----------	---------	-----------------------	-----------------

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

Eurofins Denver

Accreditation/Certification Summary

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

Job ID: 280-193463-1

Laboratory: Eurofins St. Louis (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
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 *
Connecticut	State	PH-0241	03-31-25
Florida	NELAP	E87689	06-30-24 *
Illinois	NELAP	200023	11-30-24
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	09-30-24
Massachusetts	State	M-MO054	06-30-25
Missouri	State	780	06-30-25
Nevada	State	MO00054	07-31-24
New Jersey	NELAP	MO002	06-30-25
New York	NELAP	11616	03-31-25
North Carolina (DW)	State	29700	07-31-24
Oklahoma	NELAP	9997	08-31-24
Oregon	NELAP	4157	09-01-24
Pennsylvania	NELAP	68-00540	02-28-25
South Carolina	State	85002001	06-30-24 *
Texas	NELAP	T104704193	07-31-24
US Fish & Wildlife	US Federal Programs	058448	07-31-24
USDA	US Federal Programs	P330-17-00028	05-18-26
Utah	NELAP	MO00054	07-31-24
Virginia	NELAP	460230	06-14-25
Washington	State	C592	08-30-24
West Virginia DEP	State	381	10-31-24

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

Eurofins Denver

Client Information		Lab PM: Ryan, Nicole C		Carrier Tracking No(s):		COC No: 280-141553-36824.1													
Client Contact: Nick Michael		E-Mail: Nicole.Ryan@ET.eurofinsus.com		State of Origin: CA		Page:													
Company: Union Milling Company		PWSID:		Job #:															
Address: PO BOX 620490		Due Date Requested:		Analysis Requested															
City: Littleton		TAT Requested (days):																	
State, Zip: CO, 80162		Compliance Project: ☐ Yes ☒ No																	
Phone:		PO #:																	
Email: nmichael@unionmilling.com		Purchase Order Requested																	
Project Name: 28026884		WO #:																	
Site: Leadville Mill, CO		Project #:																	
		SSOW#:																	
Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=water/oil, BT=Tissue, AA=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	900.0 - Gross Alpha Beta (SUB)	6010D, 6020B, 7470A: Total Metals	300.48HR, 7196A, 7196A, CR3: Nitrate, Nitrite, Total Hexavalent Cr, Total Trivalent Cr	350.1 - Ammonia	1677 Free - Free Cyanide (SUB)	6010D, 6020B: Dissolved Metals (Lab Filtered)	7196A, CR3 - Dissolved Trivalent Cr	355.1 - Dissolved Phosphorus (Lab Filtered)	300.0, 28D, 7196A, SM4500, S2, D: Dissolved Sulfide (Lab Filtered)	Total Number of containers	Preservation Codes: N - None, D - HNO3, S - H2SO4, B - NaOH	Special Instructions/Note: Please indicate whether Segment 6 or Segment 2b metals are required
C-61	6/28/24	15:00	G	W															
C-62	6/28/24	15:45	G	W															
AR1	6/28/24	16:15	G	W															
AR2	6/28/24	16:30	G	W															
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 month)											
Deliverable Requested: I, II, III, IV, Other (specify)								☐ Return To Client ☒ Disposal By Lab ☐ Archive For Months											
Empty Kit Relinquished by:		Date: 6/29/24						Special Instructions/QC Requirements:											
Relinquished by: [Signature]		Date/Time: 6/29/24 9:43						Method of Shipment:											
Relinquished by:		Date/Time:						Company:											
Relinquished by:		Date/Time:						Company:											
Custody Seal No.: A Yes ☐ No ☒		Custody Seal No.: 280-141553-36824.1						Cooler Temperature: 5.5°C and Other Remarks:											



Phone: 303-736-0100 Fax: 303-431-7171

[illegible]

10

Login Sample Receipt Checklist

Client: Union Milling Company

Job Number: 280-193463-1

Login Number: 193463

List Number: 1

Creator: Roehsner, Karen P

List Source: Eurofins Denver

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ 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.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Union Milling Company

Job Number: 280-193463-1

Login Number: 193463

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

List Number: 3

List Creation: 07/02/24 03:29 PM

Creator: Santiago, Nathaniel

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 ($\leq 6^{\circ}\text{C}$, not frozen).	True	
Cooler Temperature is recorded.	True	
WV: Container Temp acceptable, where thermal pres is required ($\leq 6^{\circ}\text{C}$, 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 $> 6\text{mm}$ in diameter (none, if from WV)?	N/A	

Login Sample Receipt Checklist

Client: Union Milling Company

Job Number: 280-193463-1

Login Number: 193463

List Number: 2

Creator: Pinette, Meadow L

List Source: Eurofins St. Louis

List Creation: 07/02/24 01:36 PM

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ 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 $<6\text{mm}$ (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Environment Testing

eurofins | Environment Testing

Cooler Temperature(s), °C and Other Remarks: