



# LEADVILLE MILL

## GROUNDWATER SAMPLING FIELD DATA FORM

|                                                                                                                                                                                                                                                                                                                                                                                                                             |              |                                                                                  |        |                                            |  |  |
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| <b>Leadville Mill</b>                                                                                                                                                                                                                                                                                                                                                                                                       |              | <b>LOCATION: Leadville, Colorado</b>                                             |        |                                            |  |  |
| <b>WELL NAME:</b> BMW-1                                                                                                                                                                                                                                                                                                                                                                                                     |              | <b>GPS:</b> Lat: <u>39.24549</u> Long: <u>-106.30721</u> Elev: <u>9996.7</u> TOC |        |                                            |  |  |
| <b>Sampled By:</b> RDS                                                                                                                                                                                                                                                                                                                                                                                                      |              | <b>Date Purged:</b> 6/28/2024                                                    |        |                                            |  |  |
| <b>Weather During Sampling:</b> Clear, Calm, $\approx 50^{\circ}$ F                                                                                                                                                                                                                                                                                                                                                         |              | <b>Date Sampled:</b> 6/28/2024                                                   |        |                                            |  |  |
| <b>Well Diameter (ID):</b> 2"                                                                                                                                                                                                                                                                                                                                                                                               |              | <b>Time Sampled:</b> 8:00                                                        |        |                                            |  |  |
| <b>EVACUATION DATA</b>                                                                                                                                                                                                                                                                                                                                                                                                      |              |                                                                                  |        |                                            |  |  |
| <b>Description of Measuring Point:</b> Top of Steel Casing                                                                                                                                                                                                                                                                                                                                                                  |              |                                                                                  |        | <b>Method of Water Disposal:</b><br>Ground |  |  |
| <b>Depth of Well from Measuring Point (ft):</b> 1244'                                                                                                                                                                                                                                                                                                                                                                       |              |                                                                                  |        |                                            |  |  |
| <b>Depth to Water from Measuring Point (ft):</b> 19.06'                                                                                                                                                                                                                                                                                                                                                                     |              |                                                                                  |        |                                            |  |  |
| <b>Single Tubing + Pump Volume (Purge before 1<sup>st</sup> Param):</b> 1.32 L                                                                                                                                                                                                                                                                                                                                              |              |                                                                                  |        |                                            |  |  |
| <b>Volume Purged Prior to Sampling (gallons):</b> $\approx 2.5$ L                                                                                                                                                                                                                                                                                                                                                           |              |                                                                                  |        |                                            |  |  |
| <b>Method of Purging/Equipment:</b> Dedicated Bladder Pump                                                                                                                                                                                                                                                                                                                                                                  |              |                                                                                  |        | <b>Flow Rate:</b> $\approx 180$ mL/min     |  |  |
| <b>Method of Sampling/Equipment:</b> Dedicated Bladder Pump                                                                                                                                                                                                                                                                                                                                                                 |              |                                                                                  |        | <b>Flow Rate:</b> $\approx 180$ mL/min     |  |  |
| <b>Field Parameters (Measure every 3-5 Minutes) Start Time:</b> 7:33                                                                                                                                                                                                                                                                                                                                                        |              |                                                                                  |        |                                            |  |  |
| <b>Time</b>                                                                                                                                                                                                                                                                                                                                                                                                                 | 7:38         | 7:41                                                                             | 7:44   | 7:47                                       |  |  |
| <b>pH (pH)</b>                                                                                                                                                                                                                                                                                                                                                                                                              | 9.43         | 9.56                                                                             | 9.74   | 9.80                                       |  |  |
| <b>Temperature (<math>^{\circ}</math>C)</b>                                                                                                                                                                                                                                                                                                                                                                                 | 7.72         | 7.77                                                                             | 7.86   | 8.07                                       |  |  |
| <b>Conductance (<math>\mu</math>S/cm)</b>                                                                                                                                                                                                                                                                                                                                                                                   | 181          | 182                                                                              | 181    | 181                                        |  |  |
| <b>ORP (mv)</b>                                                                                                                                                                                                                                                                                                                                                                                                             | -287.7       | -294.9                                                                           | -296.9 | -297.2                                     |  |  |
| <b>Turbidity (FNU)</b>                                                                                                                                                                                                                                                                                                                                                                                                      | 1.3          | 1.1                                                                              | 1.1    | 1.1                                        |  |  |
| <b>Drawdown (ft)</b>                                                                                                                                                                                                                                                                                                                                                                                                        | 18.57        | 18.58                                                                            | 18.57  | NM                                         |  |  |
| <b>Color of Groundwater</b>                                                                                                                                                                                                                                                                                                                                                                                                 | Clear        |                                                                                  |        |                                            |  |  |
| <b>Groundwater Odor</b>                                                                                                                                                                                                                                                                                                                                                                                                     | Light Sulfur |                                                                                  |        |                                            |  |  |
| <b>Groundwater Appearance</b>                                                                                                                                                                                                                                                                                                                                                                                               | Clean        |                                                                                  |        |                                            |  |  |
| <b>Well Condition:</b>                                                                                                                                                                                                                                                                                                                                                                                                      | Good         |                                                                                  |        |                                            |  |  |
| <b>NOTES:</b> Sampling Order: BMW-1, PZ-4 $\rightarrow$ MA1TMW-04 $\rightarrow$ LM-MW-3 $\rightarrow$ MW-13, MW-13A $\rightarrow$ LM-MW-2<br>Required Stabilization Criteria: Temp: $\pm 1^{\circ}$ C, pH: $\pm 0.2$ pH units, Cond: $\pm 10\%$ , Three Consecutive<br>Low Flow Wells Only: Drawdown $< 0.3$ ft<br>Recommended Low Flow Stabilization Criteria: Turbidity: $\pm 10\%$ , ORP: $\pm 10$ mv, Three Consecutive |              |                                                                                  |        |                                            |  |  |



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| <b>Leadville Mill</b>                                                                                                                                                                                                                                                                                                                                                                                                       |        | <b>LOCATION: Leadville, Colorado</b>                                             |        |       |  |  |
| <b>WELL NAME:</b> PZ-4                                                                                                                                                                                                                                                                                                                                                                                                      |        | <b>GPS:</b> Lat: <u>39.24546</u> Long: <u>-106.30716</u> Elev: <u>9998.0</u> TOC |        |       |  |  |
| <b>Sampled By:</b> RDS                                                                                                                                                                                                                                                                                                                                                                                                      |        | <b>Date Purged:</b> 6/28/2024                                                    |        |       |  |  |
| <b>Weather During Sampling:</b> Clear, Calm, $\approx 55^{\circ}$ F                                                                                                                                                                                                                                                                                                                                                         |        | <b>Date Sampled:</b> 6/28/2024                                                   |        |       |  |  |
| <b>Well Diameter (ID):</b> 2"                                                                                                                                                                                                                                                                                                                                                                                               |        | <b>Time Sampled:</b> 9:00                                                        |        |       |  |  |
| <b>EVACUATION DATA</b>                                                                                                                                                                                                                                                                                                                                                                                                      |        |                                                                                  |        |       |  |  |
| <b>Description of Measuring Point:</b> Top of Steel Casing                                                                                                                                                                                                                                                                                                                                                                  |        | <b>Method of Water Disposal:</b><br>Ground                                       |        |       |  |  |
| <b>Depth of Well from Measuring Point (ft):</b> 137'                                                                                                                                                                                                                                                                                                                                                                        |        |                                                                                  |        |       |  |  |
| <b>Depth to Water from Measuring Point (ft):</b> 99.97'                                                                                                                                                                                                                                                                                                                                                                     |        |                                                                                  |        |       |  |  |
| <b>Single Tubing + Pump Volume (Purge before 1<sup>st</sup> Param):</b> 4.82 L                                                                                                                                                                                                                                                                                                                                              |        |                                                                                  |        |       |  |  |
| <b>Volume Purged Prior to Sampling (gallons):</b> 8 L                                                                                                                                                                                                                                                                                                                                                                       |        |                                                                                  |        |       |  |  |
| <b>Method of Purging/Equipment:</b> Dedicated Bladder Pump                                                                                                                                                                                                                                                                                                                                                                  |        | <b>Flow Rate:</b> $\approx 300$ mL/min                                           |        |       |  |  |
| <b>Method of Sampling/Equipment:</b> Dedicated Bladder Pump                                                                                                                                                                                                                                                                                                                                                                 |        | <b>Flow Rate:</b> $\approx 300$ mL/min                                           |        |       |  |  |
| <b>Field Parameters (Measure every 3-5 Minutes) Start Time:</b> 8:27                                                                                                                                                                                                                                                                                                                                                        |        |                                                                                  |        |       |  |  |
| <b>Time</b>                                                                                                                                                                                                                                                                                                                                                                                                                 | 8:35   | 8:38                                                                             | 8:41   | 8:44  |  |  |
| <b>pH (pH)</b>                                                                                                                                                                                                                                                                                                                                                                                                              | 10.60  | 10.55                                                                            | 10.58  | 10.61 |  |  |
| <b>Temperature (<math>^{\circ}</math>C)</b>                                                                                                                                                                                                                                                                                                                                                                                 | 8.65   | 8.96                                                                             | 9.53   | 9.49  |  |  |
| <b>Conductance (<math>\mu</math>S/cm)</b>                                                                                                                                                                                                                                                                                                                                                                                   | 538    | 541                                                                              | 542    | 543   |  |  |
| <b>ORP (mv)</b>                                                                                                                                                                                                                                                                                                                                                                                                             | -23.3  | -15.8                                                                            | -14.0  | -13.2 |  |  |
| <b>Turbidity (FNU)</b>                                                                                                                                                                                                                                                                                                                                                                                                      | 2.8    | 2.1                                                                              | 1.8    | 1.6   |  |  |
| <b>Drawdown (ft)</b>                                                                                                                                                                                                                                                                                                                                                                                                        | 100.29 | 100.45                                                                           | 100.21 | NM    |  |  |
| <b>Color of Groundwater</b>                                                                                                                                                                                                                                                                                                                                                                                                 | Clear  |                                                                                  |        |       |  |  |
| <b>Groundwater Odor</b>                                                                                                                                                                                                                                                                                                                                                                                                     | None   |                                                                                  |        |       |  |  |
| <b>Groundwater Appearance</b>                                                                                                                                                                                                                                                                                                                                                                                               | Clean  |                                                                                  |        |       |  |  |
| <b>Well Condition:</b>                                                                                                                                                                                                                                                                                                                                                                                                      | Good   |                                                                                  |        |       |  |  |
| <b>NOTES:</b> Sampling Order: BMW-1, PZ-4 $\rightarrow$ MA1TMW-04 $\rightarrow$ LM-MW-3 $\rightarrow$ MW-13, MW-13A $\rightarrow$ LM-MW-2<br>Required Stabilization Criteria: Temp: $\pm 1^{\circ}$ C, pH: $\pm 0.2$ pH units, Cond: $\pm 10\%$ , Three Consecutive<br>Low Flow Wells Only: Drawdown $< 0.3$ ft<br>Recommended Low Flow Stabilization Criteria: Turbidity: $\pm 10\%$ , ORP: $\pm 10$ mv, Three Consecutive |        |                                                                                  |        |       |  |  |



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| Leadville Mill                                                                                                                                                                                                                                                                                                                                                                                                       |       | LOCATION: Leadville, Colorado                                             |      |      |       |       |      |       |
| WELL NAME: MA1TMW-4                                                                                                                                                                                                                                                                                                                                                                                                  |       | GPS: Lat: <u>39.23606</u> Long: <u>-106.33153</u> Elev: <u>9796.0</u> TOC |      |      |       |       |      |       |
| Sampled By: RDS                                                                                                                                                                                                                                                                                                                                                                                                      |       | Date Purged: 6/28/2024                                                    |      |      |       |       |      |       |
| Weather During Sampling: Clear, Calm, $\approx 50^{\circ}$ F                                                                                                                                                                                                                                                                                                                                                         |       | Date Sampled: 6/28/2024                                                   |      |      |       |       |      |       |
| Well Diameter (ID): 4"                                                                                                                                                                                                                                                                                                                                                                                               |       | Time Sampled: 10:00                                                       |      |      |       |       |      |       |
| EVACUATION DATA                                                                                                                                                                                                                                                                                                                                                                                                      |       |                                                                           |      |      |       |       |      |       |
| Description of Measuring Point: Top of Steel Casing                                                                                                                                                                                                                                                                                                                                                                  |       | Method of Water Disposal:<br>Ground                                       |      |      |       |       |      |       |
| Depth of Well from Measuring Point (ft): 85'                                                                                                                                                                                                                                                                                                                                                                         |       |                                                                           |      |      |       |       |      |       |
| Depth to Water from Measuring Point (ft): 78.02'                                                                                                                                                                                                                                                                                                                                                                     |       |                                                                           |      |      |       |       |      |       |
| Single Tubing + Pump Volume (Purge before 1 <sup>st</sup> Param): 3.12 L                                                                                                                                                                                                                                                                                                                                             |       |                                                                           |      |      |       |       |      |       |
| Volume Purged Prior to Sampling (gallons): 21 L                                                                                                                                                                                                                                                                                                                                                                      |       |                                                                           |      |      |       |       |      |       |
| Method of Purging/Equipment: Dedicated Bladder Pump                                                                                                                                                                                                                                                                                                                                                                  |       | Flow Rate: $\approx 300$ mL/min                                           |      |      |       |       |      |       |
| Method of Sampling/Equipment: Dedicated Bladder Pump                                                                                                                                                                                                                                                                                                                                                                 |       | Flow Rate: $\approx 300$ mL/min                                           |      |      |       |       |      |       |
| Field Parameters (Measure every 3-5 Minutes) Start Time: 9:21                                                                                                                                                                                                                                                                                                                                                        |       |                                                                           |      |      |       |       |      |       |
| Time                                                                                                                                                                                                                                                                                                                                                                                                                 | 9:30  | 9:33                                                                      | 9:36 | 9:39 | 9:46  | 9:49  | 9:52 | 9:55  |
| pH (pH)                                                                                                                                                                                                                                                                                                                                                                                                              | 10.81 | 10.81                                                                     | 9.91 | 8.56 | 7.56  | 7.40  | 7.33 | 7.25  |
| Temperature ( $^{\circ}$ C)                                                                                                                                                                                                                                                                                                                                                                                          | 7.05  | 7.43                                                                      | 7.63 | 7.65 | 7.38  | 7.38  | 7.36 | 7.36  |
| Conductance ( $\mu$ S/cm)                                                                                                                                                                                                                                                                                                                                                                                            | 498   | 500                                                                       | 500  | 501  | 498   | 498   | 499  | 499   |
| ORP (mv)                                                                                                                                                                                                                                                                                                                                                                                                             | 0.4   | 2.9                                                                       | 6.0  | 8.7  | 15.0  | 16.9  | 18.6 | 17.4  |
| Turbidity (FNU)                                                                                                                                                                                                                                                                                                                                                                                                      | 1.6   | 1.5                                                                       | 1.7  | 1.6  | 1.3   | 1.3   | 1.1  | 1.2   |
| Drawdown (ft)                                                                                                                                                                                                                                                                                                                                                                                                        | 78.02 | NM                                                                        | NM   | NM   | 78.21 | 78.11 | NM   | 78.05 |
| Color of Groundwater                                                                                                                                                                                                                                                                                                                                                                                                 | Clear |                                                                           |      |      |       |       |      |       |
| Groundwater Odor                                                                                                                                                                                                                                                                                                                                                                                                     | None  |                                                                           |      |      |       |       |      |       |
| Groundwater Appearance                                                                                                                                                                                                                                                                                                                                                                                               | Clean |                                                                           |      |      |       |       |      |       |
| Well Condition:                                                                                                                                                                                                                                                                                                                                                                                                      | Good  |                                                                           |      |      |       |       |      |       |
| NOTES: Sampling Order: BMW-1, PZ-4 $\rightarrow$ MA1TMW-04 $\rightarrow$ LM-MW-3 $\rightarrow$ MW-13, MW-13A $\rightarrow$ LM-MW-2<br>Required Stabilization Criteria: Temp: $\pm 1^{\circ}$ C, pH: $\pm 0.2$ pH units, Cond: $\pm 10\%$ , Three Consecutive<br>Low Flow Wells Only: Drawdown $< 0.3$ ft<br>Recommended Low Flow Stabilization Criteria: Turbidity: $\pm 10\%$ , ORP: $\pm 10$ mv, Three Consecutive |       |                                                                           |      |      |       |       |      |       |



# LEADVILLE MILL

## GROUNDWATER SAMPLING FIELD DATA FORM

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| <b>Leadville Mill</b>                                                                                                                                                                                                                                                                       |              | <b>LOCATION: Leadville, Colorado</b>                        |           |                                            |           |           |
| <b>WELL NAME:</b> LM-MW-3                                                                                                                                                                                                                                                                   |              | <b>GPS:</b> Lat: 39.23045 Long: -106.33145 Elev: 9744.0 TOC |           |                                            |           |           |
| <b>Sampled By:</b> RDS                                                                                                                                                                                                                                                                      |              |                                                             |           | <b>Date Purged:</b> 6/28/2024              |           |           |
| <b>Weather During Sampling:</b> Clear, Calm, ≈60° F                                                                                                                                                                                                                                         |              |                                                             |           | <b>Date Sampled:</b> 6/28/2024             |           |           |
| <b>Well Diameter (ID):</b> 4"                                                                                                                                                                                                                                                               |              |                                                             |           | <b>Time Sampled:</b> 11:00                 |           |           |
| <b>EVACUATION DATA</b>                                                                                                                                                                                                                                                                      |              |                                                             |           |                                            |           |           |
| <b>Description of Measuring Point:</b> Top of Steel Casing                                                                                                                                                                                                                                  |              |                                                             |           | <b>Method of Water Disposal:</b><br>Ground |           |           |
| <b>Depth of Well from Measuring Point (ft):</b> 66'                                                                                                                                                                                                                                         |              |                                                             |           |                                            |           |           |
| <b>Depth to Water from Measuring Point (ft):</b> 62.82'                                                                                                                                                                                                                                     |              |                                                             |           |                                            |           |           |
| <b>Height of Water Column (ft):</b> 3.18'                                                                                                                                                                                                                                                   |              |                                                             |           |                                            |           |           |
| <b>Single Casing Volume of Water:</b> height _____ = 2.1 gallons per casing volume                                                                                                                                                                                                          |              |                                                             |           |                                            |           |           |
| <b>Volume to Purge Prior to Sampling (Min 3 casing Volumes):</b> 6.3 Gals                                                                                                                                                                                                                   |              |                                                             |           |                                            |           |           |
| <b>Volume Purged Prior to Sampling (gallons):</b> 10.5 Gals, 5 Casings                                                                                                                                                                                                                      |              |                                                             |           |                                            |           |           |
| <b>Method of Purging/Equipment:</b> Dedicated Electric Pump                                                                                                                                                                                                                                 |              |                                                             |           | <b>Flow Rate:</b> n/a                      |           |           |
| <b>Method of Sampling/Equipment:</b> Dedicated Electric Pump                                                                                                                                                                                                                                |              |                                                             |           | <b>Flow Rate:</b> n/a                      |           |           |
| <b>FIELD PARAMETERS</b>                                                                                                                                                                                                                                                                     | <b>1)</b>    | <b>2)</b>                                                   | <b>3)</b> | <b>4)</b>                                  | <b>5)</b> | <b>6)</b> |
| <b>pH (pH)</b>                                                                                                                                                                                                                                                                              | 10.69        | 10.71                                                       | 10.74     | 10.64                                      | 9.23      |           |
| <b>Temperature (°C)</b>                                                                                                                                                                                                                                                                     | 8.08         | 7.46                                                        | 7.40      | 7.88                                       | 7.84      |           |
| <b>Conductance (µs/cm)</b>                                                                                                                                                                                                                                                                  | 772          | 756                                                         | 630       | 613                                        | 687       |           |
| <b>Turbidity (FNU)</b>                                                                                                                                                                                                                                                                      | > 1000       | > 1000                                                      | > 1000    | > 1000                                     | > 1000    |           |
| <b>Color of Groundwater</b>                                                                                                                                                                                                                                                                 | Orange       |                                                             |           |                                            |           |           |
| <b>Groundwater Odor</b>                                                                                                                                                                                                                                                                     | Silty        |                                                             |           |                                            |           |           |
| <b>Groundwater Appearance</b>                                                                                                                                                                                                                                                               | Murky/Orange |                                                             |           |                                            |           |           |
| <b>Well Condition:</b>                                                                                                                                                                                                                                                                      | Good         |                                                             |           |                                            |           |           |
| <b>NOTES:</b> Sampling Order: BMW-1, PZ-4 → MA1TMW-04 → LM-MW-3 → MW-13, MW-13A → LM-MW-2<br>Stabilization Criteria: Temp: ±1°C, pH: ±0.2 pH units, Cond: ± 10%, Three Consecutive<br>2 Inch Well 0.163 Gal/ft<br>4 Inch Well 0.653 Gal/ft<br><br>No Stabilization, 5 Casing Volumes Purged |              |                                                             |           |                                            |           |           |



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| <b>Leadville Mill</b>                                                                                                                                                                                                                                                                                                                                                                                         |       | <b>LOCATION: Leadville, Colorado</b>                                             |                                            |       |       |       |
| <b>WELL NAME:</b> MW-13                                                                                                                                                                                                                                                                                                                                                                                       |       | <b>GPS:</b> Lat: <u>39.22636</u> Long: <u>-106.34207</u> Elev: <u>9620.5</u> TOC |                                            |       |       |       |
| <b>Sampled By:</b> RDS                                                                                                                                                                                                                                                                                                                                                                                        |       |                                                                                  | <b>Date Purged:</b> 6/28/2024              |       |       |       |
| <b>Weather During Sampling:</b> Clear, Wind $\approx$ 5 mph, $\approx$ 60° F                                                                                                                                                                                                                                                                                                                                  |       |                                                                                  | <b>Date Sampled:</b> 6/28/2024             |       |       |       |
| <b>Well Diameter (ID):</b> 2"                                                                                                                                                                                                                                                                                                                                                                                 |       |                                                                                  | <b>Time Sampled:</b> 12:15                 |       |       |       |
| <b>EVACUATION DATA</b>                                                                                                                                                                                                                                                                                                                                                                                        |       |                                                                                  |                                            |       |       |       |
| <b>Description of Measuring Point:</b> Top of Steel Casing                                                                                                                                                                                                                                                                                                                                                    |       |                                                                                  | <b>Method of Water Disposal:</b><br>Ground |       |       |       |
| <b>Depth of Well from Measuring Point (ft):</b> 100'                                                                                                                                                                                                                                                                                                                                                          |       |                                                                                  |                                            |       |       |       |
| <b>Depth to Water from Measuring Point (ft):</b> 24.48'                                                                                                                                                                                                                                                                                                                                                       |       |                                                                                  |                                            |       |       |       |
| <b>Single Tubing + Pump Volume (Purge before 1<sup>st</sup> Param):</b> 1.32 L                                                                                                                                                                                                                                                                                                                                |       |                                                                                  |                                            |       |       |       |
| <b>Volume Purged Prior to Sampling (gallons):</b> 6 L                                                                                                                                                                                                                                                                                                                                                         |       |                                                                                  |                                            |       |       |       |
| <b>Method of Purging/Equipment:</b> Dedicated Bladder Pump                                                                                                                                                                                                                                                                                                                                                    |       |                                                                                  | <b>Flow Rate:</b> $\approx$ 250 mL/min     |       |       |       |
| <b>Method of Sampling/Equipment:</b> Dedicated Bladder Pump                                                                                                                                                                                                                                                                                                                                                   |       |                                                                                  | <b>Flow Rate:</b> $\approx$ 250 mL/min     |       |       |       |
| <b>Field Parameters (Measure every 3-5 Minutes) Start Time:</b> 11:38                                                                                                                                                                                                                                                                                                                                         |       |                                                                                  |                                            |       |       |       |
| <b>Time</b>                                                                                                                                                                                                                                                                                                                                                                                                   | 11:44 | 11:48                                                                            | 11:51                                      | 11:54 | 11:59 | 12:03 |
| <b>pH (pH)</b>                                                                                                                                                                                                                                                                                                                                                                                                | 10.57 | 10.47                                                                            | 10.54                                      | 10.5  | 10.53 | 10.47 |
| <b>Temperature (°C)</b>                                                                                                                                                                                                                                                                                                                                                                                       | 7.68  | 9.15                                                                             | 7.99                                       | 8.32  | 8.33  | 8.57  |
| <b>Conductance (<math>\mu</math>S/cm)</b>                                                                                                                                                                                                                                                                                                                                                                     | 945   | 944                                                                              | 946                                        | 953   | 956   | 945   |
| <b>ORP (mv)</b>                                                                                                                                                                                                                                                                                                                                                                                               | 100.2 | 99.7                                                                             | 95.2                                       | 91.8  | 83.7  | 82.0  |
| <b>Turbidity (FNU)</b>                                                                                                                                                                                                                                                                                                                                                                                        | 0.9   | 0.8                                                                              | 0.8                                        | 0.8   | 0.9   | 0.9   |
| <b>Drawdown (ft)</b>                                                                                                                                                                                                                                                                                                                                                                                          | 24.53 | 24.51                                                                            | 24.53                                      | NM    | NM    | 24.57 |
| <b>Color of Groundwater</b>                                                                                                                                                                                                                                                                                                                                                                                   | Clear |                                                                                  |                                            |       |       |       |
| <b>Groundwater Odor</b>                                                                                                                                                                                                                                                                                                                                                                                       | None  |                                                                                  |                                            |       |       |       |
| <b>Groundwater Appearance</b>                                                                                                                                                                                                                                                                                                                                                                                 | Clean |                                                                                  |                                            |       |       |       |
| <b>Well Condition:</b>                                                                                                                                                                                                                                                                                                                                                                                        | Good  |                                                                                  |                                            |       |       |       |
| <b>NOTES:</b> Sampling Order: BMW-1, PZ-4 $\rightarrow$ MA1TMW-04 $\rightarrow$ LM-MW-3 $\rightarrow$ MW-13, MW-13A $\rightarrow$ LM-MW-2<br>Required Stabilization Criteria: Temp: $\pm$ 1°C, pH: $\pm$ 0.2 pH units, Cond: $\pm$ 10%, Three Consecutive<br>Low Flow Wells Only: Drawdown < 0.3 ft<br>Recommended Low Flow Stabilization Criteria: Turbidity: $\pm$ 10%, ORP: $\pm$ 10 mv, Three Consecutive |       |                                                                                  |                                            |       |       |       |



# LEADVILLE MILL

## GROUNDWATER SAMPLING FIELD DATA FORM

|                                                                                                                                                                                                                                                                                                                                                                                                                             |       |                                                                                  |       |                                            |       |       |       |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|----------------------------------------------------------------------------------|-------|--------------------------------------------|-------|-------|-------|
| <b>Leadville Mill</b>                                                                                                                                                                                                                                                                                                                                                                                                       |       | <b>LOCATION: Leadville, Colorado</b>                                             |       |                                            |       |       |       |
| <b>WELL NAME:</b> MW-13A                                                                                                                                                                                                                                                                                                                                                                                                    |       | <b>GPS:</b> Lat: <u>39.22630</u> Long: <u>-106.34215</u> Elev: <u>9621.2</u> TOC |       |                                            |       |       |       |
| <b>Sampled By:</b> RDS                                                                                                                                                                                                                                                                                                                                                                                                      |       |                                                                                  |       | <b>Date Purged:</b> 6/28/2024              |       |       |       |
| <b>Weather During Sampling:</b> Partly Cloudy, Calm, $\approx 65^{\circ}$ F                                                                                                                                                                                                                                                                                                                                                 |       |                                                                                  |       | <b>Date Sampled:</b> 6/28/2024             |       |       |       |
| <b>Well Diameter (ID):</b> 2"                                                                                                                                                                                                                                                                                                                                                                                               |       |                                                                                  |       | <b>Time Sampled:</b> 13:00                 |       |       |       |
| <b>EVACUATION DATA</b>                                                                                                                                                                                                                                                                                                                                                                                                      |       |                                                                                  |       |                                            |       |       |       |
| <b>Description of Measuring Point:</b> Top of Steel Casing                                                                                                                                                                                                                                                                                                                                                                  |       |                                                                                  |       | <b>Method of Water Disposal:</b><br>Ground |       |       |       |
| <b>Depth of Well From Measuring Point (ft):</b> 25'                                                                                                                                                                                                                                                                                                                                                                         |       |                                                                                  |       |                                            |       |       |       |
| <b>Depth to Water from Measuring Point (ft):</b> 19.02'                                                                                                                                                                                                                                                                                                                                                                     |       |                                                                                  |       |                                            |       |       |       |
| <b>Single Tubing + Pump Volume (Purge before 1<sup>st</sup> Param):</b> 1.24 L                                                                                                                                                                                                                                                                                                                                              |       |                                                                                  |       |                                            |       |       |       |
| <b>Volume Purged Prior to Sampling (gallons):</b> $\approx 6$ L                                                                                                                                                                                                                                                                                                                                                             |       |                                                                                  |       |                                            |       |       |       |
| <b>Method of Purging/Equipment:</b> Dedicated Bladder Pump                                                                                                                                                                                                                                                                                                                                                                  |       |                                                                                  |       | <b>Flow Rate:</b> $\approx 200$ mL/min     |       |       |       |
| <b>Method of Sampling/Equipment:</b> Dedicated Bladder Pump                                                                                                                                                                                                                                                                                                                                                                 |       |                                                                                  |       | <b>Flow Rate:</b> $\approx 200$ mL/min     |       |       |       |
| <b>Field Parameters (Measure every 3-5 Minutes) Start Time: 12:18</b>                                                                                                                                                                                                                                                                                                                                                       |       |                                                                                  |       |                                            |       |       |       |
| <b>Time</b>                                                                                                                                                                                                                                                                                                                                                                                                                 | 12:29 | 12:32                                                                            | 12:40 | 12:54                                      | 12:57 | 13:00 | 13:03 |
| <b>pH (pH)</b>                                                                                                                                                                                                                                                                                                                                                                                                              | 6.21  | 7.19                                                                             | 10.15 | 6.10                                       | 6.00  | 5.89  | 5.75  |
| <b>Temperature (<math>^{\circ}</math>C)</b>                                                                                                                                                                                                                                                                                                                                                                                 | 6.34  | 6.30                                                                             | 6.14  | 6.16                                       | 6.21  | 6.30  | 6.50  |
| <b>Conductance (<math>\mu</math>S/cm)</b>                                                                                                                                                                                                                                                                                                                                                                                   | 1034  | 1043                                                                             | 1049  | 1044                                       | 1038  | 1040  | 1041  |
| <b>ORP (mv)</b>                                                                                                                                                                                                                                                                                                                                                                                                             | 138.1 | 125.6                                                                            | 105.8 | 85.1                                       | 82.3  | 80.7  | 76.2  |
| <b>Turbidity (FNU)</b>                                                                                                                                                                                                                                                                                                                                                                                                      | 2.4   | 1.3                                                                              | 1.0   | 1.2                                        | 1.2   | 1.2   | 1.1   |
| <b>Drawdown (ft)</b>                                                                                                                                                                                                                                                                                                                                                                                                        | 19.18 | NM                                                                               | 19.29 | 19.45                                      | 19.45 | NM    | 19.24 |
| <b>Color of Groundwater</b>                                                                                                                                                                                                                                                                                                                                                                                                 | Clear |                                                                                  |       |                                            |       |       |       |
| <b>Groundwater Odor</b>                                                                                                                                                                                                                                                                                                                                                                                                     | None  |                                                                                  |       |                                            |       |       |       |
| <b>Groundwater Appearance</b>                                                                                                                                                                                                                                                                                                                                                                                               | Clean |                                                                                  |       |                                            |       |       |       |
| <b>Well Condition:</b>                                                                                                                                                                                                                                                                                                                                                                                                      | Good  |                                                                                  |       |                                            |       |       |       |
| <b>NOTES:</b> Sampling Order: BMW-1, PZ-4 $\rightarrow$ MA1TMW-04 $\rightarrow$ LM-MW-3 $\rightarrow$ MW-13, MW-13A $\rightarrow$ LM-MW-2<br>Required Stabilization Criteria: Temp: $\pm 1^{\circ}$ C, pH: $\pm 0.2$ pH units, Cond: $\pm 10\%$ , Three Consecutive<br>Low Flow Wells Only: Drawdown $< 0.3$ ft<br>Recommended Low Flow Stabilization Criteria: Turbidity: $\pm 10\%$ , ORP: $\pm 10$ mv, Three Consecutive |       |                                                                                  |       |                                            |       |       |       |



# LEADVILLE MILL

## GROUNDWATER SAMPLING FIELD DATA FORM

|                                                                                                                                                                                                                                                                                                                                                                     |                    |                                      |           |                                            |           |           |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|--------------------------------------|-----------|--------------------------------------------|-----------|-----------|
| <b>Leadville Mill</b>                                                                                                                                                                                                                                                                                                                                               |                    | <b>LOCATION: Leadville, Colorado</b> |           |                                            |           |           |
| <b>WELL NAME:</b> LM-MW-2 <b>GPS:</b> Lat: <u>39.22897</u> Long: <u>-106.33358</u> Elev: <u>9701.0</u> <b>TOC</b>                                                                                                                                                                                                                                                   |                    |                                      |           |                                            |           |           |
| <b>Sampled By:</b> RDS                                                                                                                                                                                                                                                                                                                                              |                    |                                      |           | <b>Date Purged:</b> 6/28/2024              |           |           |
| <b>Weather During Sampling:</b> Clear, Calm, $\approx 55^{\circ}$ F                                                                                                                                                                                                                                                                                                 |                    |                                      |           | <b>Date Sampled:</b> 6/28/2024             |           |           |
| <b>Well Diameter (ID):</b> 4"                                                                                                                                                                                                                                                                                                                                       |                    |                                      |           | <b>Time Sampled:</b> 14:15                 |           |           |
| <b>EVACUATION DATA</b>                                                                                                                                                                                                                                                                                                                                              |                    |                                      |           |                                            |           |           |
| <b>Description of Measuring Point:</b> Top of Steel Casing                                                                                                                                                                                                                                                                                                          |                    |                                      |           | <b>Method of Water Disposal:</b><br>Ground |           |           |
| <b>Depth of Well from Measuring Point (ft):</b> 53'                                                                                                                                                                                                                                                                                                                 |                    |                                      |           |                                            |           |           |
| <b>Depth to Water from Measuring Point (ft):</b> 46.65'                                                                                                                                                                                                                                                                                                             |                    |                                      |           |                                            |           |           |
| <b>Height of Water Column (ft):</b> 6.35'                                                                                                                                                                                                                                                                                                                           |                    |                                      |           |                                            |           |           |
| <b>Single Casing Volume of Water:</b> height _____ = <u>4.2</u> gallons per casing volume                                                                                                                                                                                                                                                                           |                    |                                      |           |                                            |           |           |
| <b>Volume to Purge Prior to Sampling (Min 3 casing Volumes):</b> 12.6 Gals                                                                                                                                                                                                                                                                                          |                    |                                      |           |                                            |           |           |
| <b>Volume Purged Prior to Sampling (gallons):</b> $\approx 28$ Gals, 6 Casings                                                                                                                                                                                                                                                                                      |                    |                                      |           |                                            |           |           |
| <b>Method of Purging/Equipment:</b> Dedicated Electric Pump                                                                                                                                                                                                                                                                                                         |                    |                                      |           | <b>Flow Rate:</b> n/a                      |           |           |
| <b>Method of Sampling/Equipment:</b> Dedicated Electric Pump                                                                                                                                                                                                                                                                                                        |                    |                                      |           | <b>Flow Rate:</b> n/a                      |           |           |
| <b>FIELD PARAMETERS</b>                                                                                                                                                                                                                                                                                                                                             | <b>1)</b>          | <b>2)</b>                            | <b>3)</b> | <b>4)</b>                                  | <b>5)</b> | <b>6)</b> |
| <b>pH (pH)</b>                                                                                                                                                                                                                                                                                                                                                      | 6.57               | 6.77                                 | 10.02     | 7.91                                       | 7.90      | 8.07      |
| <b>Temperature (<math>^{\circ}</math>C)</b>                                                                                                                                                                                                                                                                                                                         | 7.54               | 6.66                                 | 6.53      | 6.53                                       | 6.52      | 6.85      |
| <b>Conductance (<math>\mu</math>S/cm)</b>                                                                                                                                                                                                                                                                                                                           | 689                | 1392                                 | 1108      | 1205                                       | 1102      | 1081      |
| <b>Turbidity (FNU)</b>                                                                                                                                                                                                                                                                                                                                              | 908                | > 1000                               | 447       | 230                                        | 71.8      | 105       |
| <b>Color of Groundwater</b>                                                                                                                                                                                                                                                                                                                                         | Light Brown/Orange |                                      |           |                                            |           |           |
| <b>Groundwater Odor</b>                                                                                                                                                                                                                                                                                                                                             | None               |                                      |           |                                            |           |           |
| <b>Groundwater Appearance</b>                                                                                                                                                                                                                                                                                                                                       | Slightly Murky     |                                      |           |                                            |           |           |
| <b>Well Condition:</b>                                                                                                                                                                                                                                                                                                                                              | Good               |                                      |           |                                            |           |           |
| <b>NOTES:</b> Sampling Order: BMW-1, PZ-4 $\rightarrow$ MA1TMW-04 $\rightarrow$ LM-MW-3 $\rightarrow$ MW-13, MW-13A $\rightarrow$ LM-MW-2<br>Stabilization Criteria: Temp: $\pm 1^{\circ}$ C, pH: $\pm 0.2$ pH units, Cond: $\pm 10\%$ , Three Consecutive<br>2 Inch Well 0.163 Gal/ft<br>4 Inch Well 0.653 Gal/ft<br><br>No Stabilization, 6 Casing Volumes Purged |                    |                                      |           |                                            |           |           |

# ANALYTICAL REPORT

## PREPARED FOR

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

Generated 7/16/2024 8:50:40 AM

## JOB DESCRIPTION

Leadville Mill, CO

## JOB NUMBER

280-193462-1



# Eurofins Denver

## Job Notes

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## Authorization



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Authorized for release by  
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# Table of Contents

|                                 |    |
|---------------------------------|----|
| Cover Page . . . . .            | 1  |
| Table of Contents . . . . .     | 3  |
| Definitions . . . . .           | 4  |
| Case Narrative . . . . .        | 5  |
| Detection Summary . . . . .     | 7  |
| Method Summary . . . . .        | 10 |
| Sample Summary . . . . .        | 11 |
| Client Sample Results . . . . . | 12 |
| QC Sample Results . . . . .     | 23 |
| QC Association . . . . .        | 32 |
| Chronicle . . . . .             | 37 |
| Certification Summary . . . . . | 43 |
| Chain of Custody . . . . .      | 46 |
| Receipt Checklists . . . . .    | 49 |



# Definitions/Glossary

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

Job ID: 280-193462-1

## Qualifiers

### Metals

| Qualifier | Qualifier Description                                                                                          |
|-----------|----------------------------------------------------------------------------------------------------------------|
| ^2        | Calibration Blank (ICB and/or CCB) is outside acceptance limits.                                               |
| 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                                                                                          |
|-----------|----------------------------------------------------------------------------------------------------------------|
| E         | Result exceeded calibration range.                                                                             |
| 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                            |
|-----------|--------------------------------------------------|
| G         | The Sample MDC is greater than the requested RL. |
| U         | Result is less than the sample detection limit.  |

## Glossary

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

# Case Narrative

Client: Union Milling Company  
Project: Leadville Mill, CO

Job ID: 280-193462-1

**Job ID: 280-193462-1**

**Eurofins Denver**

## Job Narrative 280-193462-1

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 are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- Matrix QC may not be reported if insufficient sample 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, 5.7°C and 5.9°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 Chain-of-Custody (COC) was incomplete as received and/or improperly completed. All samples are marked for MS/MSD; volume was not provided for MS/MSD.

The container label for the following sample did not match the information listed on the Chain-of-Custody (COC): MW-100 (280-193462-7). The container labels list 13:30, while the COC lists 13:15. Logged per COC.

The container label for the following sample did not match the information listed on the Chain-of-Custody (COC): LM-MW-2 (280-193462-8). The container labels list 14:15, while the COC lists 14:00. Logged per COC.

### Method 6010D - Metals (ICP) - Dissolved

Samples BMW-1 (280-193462-1), PZ-4 (280-193462-2), MA1TMW-4 (280-193462-3), LM-MW-3 (280-193462-4), MW-13 (280-193462-5), MW-13A (280-193462-6), MW-100 (280-193462-7) and LM-MW-2 (280-193462-8) were analyzed for Metals (ICP) - Dissolved. The samples were prepared on 7/3/2024 and analyzed on 7/5/2024.

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

Samples BMW-1 (280-193462-1), PZ-4 (280-193462-2), MA1TMW-4 (280-193462-3), LM-MW-3 (280-193462-4), MW-13 (280-193462-5), MW-13A (280-193462-6), MW-100 (280-193462-7) and LM-MW-2 (280-193462-8) were analyzed for Metals (ICP/MS) - Dissolved. The samples were prepared on 7/3/2024 and analyzed on 7/4/2024 and 7/8/2024.

Samples MW-13A (280-193462-6)[50x] and MW-100 (280-193462-7)[50x] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 280-659126 and 280-659208 and analytical batch 280-659430 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.

Daily linear range (LRA) is above acceptance limits for Be, however the PDS was reported as it is within acceptance limits and all samples are below the highest point in the curve. (280-193462-E-1-J PDS)

The instrument blank for analytical batch 280-659623 contained Zn greater than the reporting limit (RL), and were not reanalyzed because the samples are >10x the blank. The data have been qualified and reported.

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## Case Narrative

Client: Union Milling Company  
Project: Leadville Mill, CO

Job ID: 280-193462-1

### Job ID: 280-193462-1 (Continued)

Eurofins Denver

#### Method 7470A - Mercury (CVAA) - Dissolved

Samples BMW-1 (280-193462-1), PZ-4 (280-193462-2), MA1TMW-4 (280-193462-3), LM-MW-3 (280-193462-4), MW-13 (280-193462-5), MW-13A (280-193462-6), MW-100 (280-193462-7) and LM-MW-2 (280-193462-8) were analyzed for Mercury (CVAA) - Dissolved. The samples were prepared on 7/5/2024 and analyzed on 7/6/2024.

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

Samples BMW-1 (280-193462-1), PZ-4 (280-193462-2), MA1TMW-4 (280-193462-3), LM-MW-3 (280-193462-4), MW-13 (280-193462-5), MW-13A (280-193462-6), MW-100 (280-193462-7) and LM-MW-2 (280-193462-8) were analyzed for Cyanide, Free (Flow Injection). The samples were analyzed on 7/10/2024.

The following sample was found to contain residual chlorine: MW-100 (280-193462-7).

The following sample was found to contain residual chlorine: MW-13A (280-193462-6).

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

Samples BMW-1 (280-193462-1), PZ-4 (280-193462-2), MA1TMW-4 (280-193462-3), LM-MW-3 (280-193462-4), MW-13 (280-193462-5), MW-13A (280-193462-6), MW-100 (280-193462-7) and LM-MW-2 (280-193462-8) were analyzed for Solids, Total Dissolved (TDS). The samples were analyzed on 7/2/2024.

#### Method 300.0 - Anions, Ion Chromatography - Dissolved

Samples BMW-1 (280-193462-1), PZ-4 (280-193462-2), MA1TMW-4 (280-193462-3), LM-MW-3 (280-193462-4), MW-13 (280-193462-5), MW-13A (280-193462-6), MW-100 (280-193462-7) and LM-MW-2 (280-193462-8) were analyzed for Anions, Ion Chromatography - Dissolved. The samples were analyzed on 7/3/2024.

Samples LM-MW-3 (280-193462-4)[5x], MW-13 (280-193462-5)[5x], MW-13A (280-193462-6)[5x], MW-100 (280-193462-7)[5x] and LM-MW-2 (280-193462-8)[5x] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

#### Method 300.0 - Anions, Ion Chromatography

Samples BMW-1 (280-193462-1), PZ-4 (280-193462-2), MA1TMW-4 (280-193462-3), LM-MW-3 (280-193462-4), MW-13 (280-193462-5), MW-13A (280-193462-6), MW-100 (280-193462-7) and LM-MW-2 (280-193462-8) were analyzed for Anions, Ion Chromatography. The samples were prepared on 7/3/2024 and analyzed on 6/29/2024, 6/30/2024 and 7/4/2024.

The concentration of the matrix spike reagent caused the results for the matrix spike and matrix spike duplicate (MS/MSD) to be above the highest point of the calibration range for Nitrate as N. The results for the MS/MSD are still within the standard control limits of 80-120%. (280-193462-G-5 MS) and (280-193462-G-5 MSD)

#### Method 353.2 - Nitrogen, Nitrate-Nitrite

Samples BMW-1 (280-193462-1), PZ-4 (280-193462-2), MA1TMW-4 (280-193462-3), LM-MW-3 (280-193462-4), MW-13 (280-193462-5), MW-13A (280-193462-6), MW-100 (280-193462-7) and LM-MW-2 (280-193462-8) were analyzed for Nitrogen, Nitrate-Nitrite. The samples were analyzed on 7/8/2024 and 7/10/2024.

Samples PZ-4 (280-193462-2)[2x], LM-MW-3 (280-193462-4)[2x], MW-13 (280-193462-5)[2x], MW-13A (280-193462-6)[2x] and MW-100 (280-193462-7)[2x] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

#### Method 900.0 - Gross Alpha and Gross Beta Radioactivity

Samples BMW-1 (280-193462-1), PZ-4 (280-193462-2), MA1TMW-4 (280-193462-3), LM-MW-3 (280-193462-4), MW-13 (280-193462-5), MW-13A (280-193462-6), MW-100 (280-193462-7) and LM-MW-2 (280-193462-8) 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 detection goal was not met for the following samples due to a reduction of the sample size attributed to high residual mass: PZ-4 (280-193462-2), MA1TMW-4 (280-193462-3), LM-MW-3 (280-193462-4), MW-13 (280-193462-5), MW-13A (280-193462-6), MW-100 (280-193462-7), LM-MW-2 (280-193462-8), (280-193463-B-3-A) and (280-193463-B-3-D DU). Analytical results are reported with the detection limit achieved.

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# Detection Summary

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

Job ID: 280-193462-1

## Client Sample ID: BMW-1

## Lab Sample ID: 280-193462-1

| Analyte                      | Result | Qualifier | RL   | MDL   | Unit | Dil Fac | D | Method   | Prep Type |
|------------------------------|--------|-----------|------|-------|------|---------|---|----------|-----------|
| Aluminum                     | 25     | J         | 100  | 18    | ug/L | 1       |   | 6010D    | Dissolved |
| Boron                        | 27     | J         | 100  | 1.5   | ug/L | 1       |   | 6010D    | Dissolved |
| Iron                         | 49     | J         | 100  | 9.1   | ug/L | 1       |   | 6010D    | Dissolved |
| Silver                       | 0.057  | J         | 1.0  | 0.045 | ug/L | 1       |   | 6020B    | Dissolved |
| Arsenic                      | 0.69   | J         | 5.0  | 0.50  | ug/L | 1       |   | 6020B    | Dissolved |
| Barium                       | 95     |           | 3.0  | 0.38  | ug/L | 1       |   | 6020B    | Dissolved |
| Molybdenum                   | 2.9    |           | 2.0  | 0.37  | ug/L | 1       |   | 6020B    | Dissolved |
| Uranium                      | 0.043  | J         | 1.0  | 0.030 | ug/L | 1       |   | 6020B    | Dissolved |
| Total Dissolved Solids (TDS) | 130    |           | 10   | 4.7   | mg/L | 1       |   | SM 2540C | Total/NA  |
| Chloride                     | 1.1    | J         | 3.0  | 1.0   | mg/L | 1       |   | 300.0    | Dissolved |
| Fluoride                     | 0.31   | J         | 0.50 | 0.17  | mg/L | 1       |   | 300.0    | Dissolved |
| Sulfate                      | 17     |           | 5.0  | 1.0   | mg/L | 1       |   | 300.0    | Dissolved |

## Client Sample ID: PZ-4

## Lab Sample ID: 280-193462-2

| Analyte                      | Result | Qualifier | RL   | MDL   | Unit | Dil Fac | D | Method   | Prep Type |
|------------------------------|--------|-----------|------|-------|------|---------|---|----------|-----------|
| Boron                        | 9.7    | J         | 100  | 1.5   | ug/L | 1       |   | 6010D    | Dissolved |
| Silver                       | 0.069  | J         | 1.0  | 0.045 | ug/L | 1       |   | 6020B    | Dissolved |
| Barium                       | 250    |           | 3.0  | 0.38  | ug/L | 1       |   | 6020B    | Dissolved |
| Molybdenum                   | 0.75   | J         | 2.0  | 0.37  | ug/L | 1       |   | 6020B    | Dissolved |
| Antimony                     | 1.2    | J         | 2.0  | 0.40  | ug/L | 1       |   | 6020B    | Dissolved |
| Thallium                     | 0.28   | J         | 1.0  | 0.21  | ug/L | 1       |   | 6020B    | Dissolved |
| Uranium                      | 14     |           | 1.0  | 0.030 | ug/L | 1       |   | 6020B    | Dissolved |
| Nitrate as N                 | 3.6    |           | 0.50 | 0.090 | mg/L | 1       |   | 300.0    | Total/NA  |
| Nitrate Nitrite as N         | 3.8    |           | 0.20 | 0.088 | mg/L | 2       |   | 353.2    | Total/NA  |
| Total Dissolved Solids (TDS) | 380    |           | 10   | 4.7   | mg/L | 1       |   | SM 2540C | Total/NA  |
| Chloride                     | 28     |           | 3.0  | 1.0   | mg/L | 1       |   | 300.0    | Dissolved |
| Fluoride                     | 0.23   | J         | 0.50 | 0.17  | mg/L | 1       |   | 300.0    | Dissolved |
| Sulfate                      | 92     |           | 5.0  | 1.0   | mg/L | 1       |   | 300.0    | Dissolved |

## Client Sample ID: MA1TMW-4

## Lab Sample ID: 280-193462-3

| Analyte                      | Result | Qualifier | RL   | MDL   | Unit | Dil Fac | D | Method   | Prep Type |
|------------------------------|--------|-----------|------|-------|------|---------|---|----------|-----------|
| Boron                        | 69     | J         | 100  | 1.5   | ug/L | 1       |   | 6010D    | Dissolved |
| Barium                       | 24     |           | 3.0  | 0.38  | ug/L | 1       |   | 6020B    | Dissolved |
| Cobalt                       | 0.71   | J         | 1.0  | 0.33  | ug/L | 1       |   | 6020B    | Dissolved |
| Manganese                    | 3.1    |           | 3.0  | 0.51  | ug/L | 1       |   | 6020B    | Dissolved |
| Uranium                      | 3.2    |           | 1.0  | 0.030 | ug/L | 1       |   | 6020B    | Dissolved |
| Zinc                         | 15     |           | 10   | 2.0   | ug/L | 1       |   | 6020B    | Dissolved |
| Nitrate as N                 | 3.0    |           | 0.50 | 0.090 | mg/L | 1       |   | 300.0    | Total/NA  |
| Nitrate Nitrite as N         | 3.3    |           | 0.10 | 0.044 | mg/L | 1       |   | 353.2    | Total/NA  |
| Total Dissolved Solids (TDS) | 350    |           | 10   | 4.7   | mg/L | 1       |   | SM 2540C | Total/NA  |
| Chloride                     | 20     |           | 3.0  | 1.0   | mg/L | 1       |   | 300.0    | Dissolved |
| Sulfate                      | 130    |           | 5.0  | 1.0   | mg/L | 1       |   | 300.0    | Dissolved |

## Client Sample ID: LM-MW-3

## Lab Sample ID: 280-193462-4

| Analyte | Result | Qualifier | RL  | MDL  | Unit | Dil Fac | D | Method | Prep Type |
|---------|--------|-----------|-----|------|------|---------|---|--------|-----------|
| Boron   | 37     | J         | 100 | 1.5  | ug/L | 1       |   | 6010D  | Dissolved |
| Barium  | 19     |           | 3.0 | 0.38 | ug/L | 1       |   | 6020B  | Dissolved |
| Cadmium | 0.20   | J         | 1.0 | 0.19 | ug/L | 1       |   | 6020B  | Dissolved |
| Copper  | 1.9    | J         | 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: 280-193462-1

## Client Sample ID: LM-MW-3 (Continued)

## Lab Sample ID: 280-193462-4

| Analyte                      | Result | Qualifier | RL   | MDL   | Unit | Dil Fac | D | Method   | Prep Type |
|------------------------------|--------|-----------|------|-------|------|---------|---|----------|-----------|
| Manganese                    | 16     |           | 3.0  | 0.51  | ug/L | 1       |   | 6020B    | Dissolved |
| Nickel                       | 4.4    |           | 3.0  | 0.83  | ug/L | 1       |   | 6020B    | Dissolved |
| Uranium                      | 6.1    |           | 1.0  | 0.030 | ug/L | 1       |   | 6020B    | Dissolved |
| Zinc                         | 300    |           | 10   | 2.0   | ug/L | 1       |   | 6020B    | Dissolved |
| Nitrate as N                 | 6.1    |           | 0.50 | 0.090 | mg/L | 1       |   | 300.0    | Total/NA  |
| Nitrite as N                 | 0.12   | J         | 0.50 | 0.049 | mg/L | 1       |   | 300.0    | Total/NA  |
| Nitrate Nitrite as N         | 6.1    |           | 0.20 | 0.088 | mg/L | 2       |   | 353.2    | Total/NA  |
| Total Dissolved Solids (TDS) | 630    |           | 10   | 4.7   | mg/L | 1       |   | SM 2540C | Total/NA  |
| Chloride                     | 22     |           | 3.0  | 1.0   | mg/L | 1       |   | 300.0    | Dissolved |
| Sulfate                      | 320    |           | 25   | 5.2   | mg/L | 5       |   | 300.0    | Dissolved |

## Client Sample ID: MW-13

## Lab Sample ID: 280-193462-5

| Analyte                      | Result | Qualifier | RL   | MDL   | Unit | Dil Fac | D | Method   | Prep Type |
|------------------------------|--------|-----------|------|-------|------|---------|---|----------|-----------|
| Boron                        | 4.3    | J         | 100  | 1.5   | ug/L | 1       |   | 6010D    | Dissolved |
| Barium                       | 19     |           | 3.0  | 0.38  | ug/L | 1       |   | 6020B    | Dissolved |
| Cobalt                       | 3.6    |           | 1.0  | 0.33  | ug/L | 1       |   | 6020B    | Dissolved |
| Chromium                     | 0.76   | J         | 3.0  | 0.50  | ug/L | 1       |   | 6020B    | Dissolved |
| Manganese                    | 11     |           | 3.0  | 0.51  | ug/L | 1       |   | 6020B    | Dissolved |
| Nickel                       | 0.95   | J         | 3.0  | 0.83  | ug/L | 1       |   | 6020B    | Dissolved |
| Selenium                     | 7.0    |           | 5.0  | 1.0   | ug/L | 1       |   | 6020B    | Dissolved |
| Uranium                      | 9.8    |           | 1.0  | 0.030 | ug/L | 1       |   | 6020B    | Dissolved |
| Zinc                         | 5.8    | J         | 10   | 2.0   | ug/L | 1       |   | 6020B    | Dissolved |
| Nitrate as N                 | 4.6    |           | 0.50 | 0.090 | mg/L | 1       |   | 300.0    | Total/NA  |
| Nitrite as N                 | 0.087  | J         | 0.50 | 0.049 | mg/L | 1       |   | 300.0    | Total/NA  |
| Nitrate Nitrite as N         | 4.8    |           | 0.20 | 0.088 | mg/L | 2       |   | 353.2    | Total/NA  |
| Total Dissolved Solids (TDS) | 770    |           | 10   | 4.7   | mg/L | 1       |   | SM 2540C | Total/NA  |
| Chloride                     | 15     |           | 3.0  | 1.0   | mg/L | 1       |   | 300.0    | Dissolved |
| Fluoride                     | 0.17   | J         | 0.50 | 0.17  | mg/L | 1       |   | 300.0    | Dissolved |
| Sulfate                      | 460    |           | 25   | 5.2   | mg/L | 5       |   | 300.0    | Dissolved |

## Client Sample ID: MW-13A

## Lab Sample ID: 280-193462-6

| Analyte                      | Result | Qualifier | RL   | MDL   | Unit | Dil Fac | D | Method   | Prep Type |
|------------------------------|--------|-----------|------|-------|------|---------|---|----------|-----------|
| Aluminum                     | 440    |           | 100  | 18    | ug/L | 1       |   | 6010D    | Dissolved |
| Boron                        | 44     | J         | 100  | 1.5   | ug/L | 1       |   | 6010D    | Dissolved |
| Lithium                      | 9.8    | J         | 20   | 9.1   | ug/L | 1       |   | 6010D    | Dissolved |
| Silver                       | 0.053  | J         | 1.0  | 0.045 | ug/L | 1       |   | 6020B    | Dissolved |
| Barium                       | 8.7    |           | 3.0  | 0.38  | ug/L | 1       |   | 6020B    | Dissolved |
| Beryllium                    | 1.0    |           | 1.0  | 0.30  | ug/L | 1       |   | 6020B    | Dissolved |
| Cadmium                      | 240    |           | 1.0  | 0.19  | ug/L | 1       |   | 6020B    | Dissolved |
| Cobalt                       | 1.9    |           | 1.0  | 0.33  | ug/L | 1       |   | 6020B    | Dissolved |
| Copper                       | 150    |           | 2.0  | 0.71  | ug/L | 1       |   | 6020B    | Dissolved |
| Manganese                    | 8200   |           | 3.0  | 0.51  | ug/L | 1       |   | 6020B    | Dissolved |
| Nickel                       | 54     |           | 3.0  | 0.83  | ug/L | 1       |   | 6020B    | Dissolved |
| Lead                         | 0.41   | J         | 1.0  | 0.23  | ug/L | 1       |   | 6020B    | Dissolved |
| Uranium                      | 0.15   | J         | 1.0  | 0.030 | ug/L | 1       |   | 6020B    | Dissolved |
| Zinc                         | 40000  | ^2        | 500  | 100   | ug/L | 50      |   | 6020B    | Dissolved |
| Nitrate as N                 | 3.3    |           | 0.50 | 0.090 | mg/L | 1       |   | 300.0    | Total/NA  |
| Nitrite as N                 | 0.071  | J         | 0.50 | 0.049 | mg/L | 1       |   | 300.0    | Total/NA  |
| Nitrate Nitrite as N         | 3.4    |           | 0.20 | 0.088 | mg/L | 2       |   | 353.2    | Total/NA  |
| Total Dissolved Solids (TDS) | 910    |           | 10   | 4.7   | mg/L | 1       |   | SM 2540C | Total/NA  |

This Detection Summary does not include radiochemical test results.

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# Detection Summary

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

Job ID: 280-193462-1

## Client Sample ID: MW-13A (Continued)

## Lab Sample ID: 280-193462-6

| Analyte  | Result | Qualifier | RL   | MDL  | Unit | Dil Fac | D | Method | Prep Type |
|----------|--------|-----------|------|------|------|---------|---|--------|-----------|
| Chloride | 12     |           | 3.0  | 1.0  | mg/L | 1       |   | 300.0  | Dissolved |
| Fluoride | 0.33   | J         | 0.50 | 0.17 | mg/L | 1       |   | 300.0  | Dissolved |
| Sulfate  | 630    |           | 25   | 5.2  | mg/L | 5       |   | 300.0  | Dissolved |

## Client Sample ID: MW-100

## Lab Sample ID: 280-193462-7

| Analyte                      | Result | Qualifier | RL   | MDL   | Unit | Dil Fac | D | Method   | Prep Type |
|------------------------------|--------|-----------|------|-------|------|---------|---|----------|-----------|
| Aluminum                     | 420    |           | 100  | 18    | ug/L | 1       |   | 6010D    | Dissolved |
| Boron                        | 44     | J         | 100  | 1.5   | ug/L | 1       |   | 6010D    | Dissolved |
| Lithium                      | 13     | J         | 20   | 9.1   | ug/L | 1       |   | 6010D    | Dissolved |
| Silver                       | 0.051  | J         | 1.0  | 0.045 | ug/L | 1       |   | 6020B    | Dissolved |
| Barium                       | 9.0    |           | 3.0  | 0.38  | ug/L | 1       |   | 6020B    | Dissolved |
| Beryllium                    | 1.0    |           | 1.0  | 0.30  | ug/L | 1       |   | 6020B    | Dissolved |
| Cadmium                      | 240    |           | 1.0  | 0.19  | ug/L | 1       |   | 6020B    | Dissolved |
| Cobalt                       | 2.0    |           | 1.0  | 0.33  | ug/L | 1       |   | 6020B    | Dissolved |
| Copper                       | 150    |           | 2.0  | 0.71  | ug/L | 1       |   | 6020B    | Dissolved |
| Manganese                    | 8700   |           | 3.0  | 0.51  | ug/L | 1       |   | 6020B    | Dissolved |
| Nickel                       | 56     |           | 3.0  | 0.83  | ug/L | 1       |   | 6020B    | Dissolved |
| Lead                         | 0.48   | J         | 1.0  | 0.23  | ug/L | 1       |   | 6020B    | Dissolved |
| Uranium                      | 0.14   | J         | 1.0  | 0.030 | ug/L | 1       |   | 6020B    | Dissolved |
| Zinc                         | 40000  | ^2        | 500  | 100   | ug/L | 50      |   | 6020B    | Dissolved |
| Nitrate as N                 | 3.2    |           | 0.50 | 0.090 | mg/L | 1       |   | 300.0    | Total/NA  |
| Nitrite as N                 | 0.069  | J         | 0.50 | 0.049 | mg/L | 1       |   | 300.0    | Total/NA  |
| Nitrate Nitrite as N         | 3.5    |           | 0.20 | 0.088 | mg/L | 2       |   | 353.2    | Total/NA  |
| Total Dissolved Solids (TDS) | 920    |           | 10   | 4.7   | mg/L | 1       |   | SM 2540C | Total/NA  |
| Chloride                     | 12     |           | 3.0  | 1.0   | mg/L | 1       |   | 300.0    | Dissolved |
| Fluoride                     | 0.33   | J         | 0.50 | 0.17  | mg/L | 1       |   | 300.0    | Dissolved |
| Sulfate                      | 650    |           | 25   | 5.2   | mg/L | 5       |   | 300.0    | Dissolved |

## Client Sample ID: LM-MW-2

## Lab Sample ID: 280-193462-8

| Analyte                      | Result | Qualifier | RL   | MDL   | Unit | Dil Fac | D | Method   | Prep Type |
|------------------------------|--------|-----------|------|-------|------|---------|---|----------|-----------|
| Boron                        | 52     | J         | 100  | 1.5   | ug/L | 1       |   | 6010D    | Dissolved |
| Barium                       | 26     |           | 3.0  | 0.38  | ug/L | 1       |   | 6020B    | Dissolved |
| Cadmium                      | 0.41   | J         | 1.0  | 0.19  | ug/L | 1       |   | 6020B    | Dissolved |
| Manganese                    | 83     |           | 3.0  | 0.51  | ug/L | 1       |   | 6020B    | Dissolved |
| Nickel                       | 1.1    | J         | 3.0  | 0.83  | ug/L | 1       |   | 6020B    | Dissolved |
| Selenium                     | 1.7    | J         | 5.0  | 1.0   | ug/L | 1       |   | 6020B    | Dissolved |
| Uranium                      | 2.7    |           | 1.0  | 0.030 | ug/L | 1       |   | 6020B    | Dissolved |
| Zinc                         | 19     |           | 10   | 2.0   | ug/L | 1       |   | 6020B    | Dissolved |
| Nitrate as N                 | 0.88   |           | 0.50 | 0.090 | mg/L | 1       |   | 300.0    | Total/NA  |
| Nitrate Nitrite as N         | 0.91   |           | 0.10 | 0.044 | mg/L | 1       |   | 353.2    | Total/NA  |
| Total Dissolved Solids (TDS) | 910    |           | 10   | 4.7   | mg/L | 1       |   | SM 2540C | Total/NA  |
| Chloride                     | 25     |           | 3.0  | 1.0   | mg/L | 1       |   | 300.0    | Dissolved |
| Sulfate                      | 580    |           | 25   | 5.2   | mg/L | 5       |   | 300.0    | Dissolved |

This Detection Summary does not include radiochemical test results.

Eurofins Denver



# Method Summary

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

Job ID: 280-193462-1

| Method      | Method Description                                 | Protocol | Laboratory |
|-------------|----------------------------------------------------|----------|------------|
| 6010D       | Metals (ICP)                                       | SW846    | EET DEN    |
| 6020B       | Metals (ICP/MS)                                    | SW846    | EET DEN    |
| 7470A       | Mercury (CVAA)                                     | SW846    | EET DEN    |
| 300.0       | Anions, Ion Chromatography                         | EPA      | EET DEN    |
| 353.2       | Nitrogen, Nitrate-Nitrite                          | EPA      | EET DEN    |
| OIA-1677    | Cyanide, Free (Flow Injection)                     | OI CORP  | ELLE       |
| SM 2540C    | Solids, Total Dissolved (TDS)                      | SM       | EET DEN    |
| 900.0       | Gross Alpha and Gross Beta Radioactivity           | EPA      | EET SL     |
| 3005A       | Preparation, Total Recoverable or Dissolved Metals | SW846    | 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: 280-193462-1

| Lab Sample ID | Client Sample ID | Matrix | Collected      | Received       |
|---------------|------------------|--------|----------------|----------------|
| 280-193462-1  | BMW-1            | Water  | 06/28/24 08:00 | 06/29/24 09:43 |
| 280-193462-2  | PZ-4             | Water  | 06/28/24 09:00 | 06/29/24 09:43 |
| 280-193462-3  | MA1TMW-4         | Water  | 06/28/24 10:00 | 06/29/24 09:43 |
| 280-193462-4  | LM-MW-3          | Water  | 06/28/24 11:00 | 06/29/24 09:43 |
| 280-193462-5  | MW-13            | Water  | 06/28/24 12:15 | 06/29/24 09:43 |
| 280-193462-6  | MW-13A           | Water  | 06/28/24 13:00 | 06/29/24 09:43 |
| 280-193462-7  | MW-100           | Water  | 06/28/24 13:15 | 06/29/24 09:43 |
| 280-193462-8  | LM-MW-2          | Water  | 06/28/24 14:00 | 06/29/24 09:43 |

# Client Sample Results

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

Job ID: 280-193462-1

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

Client Sample ID: BMW-1  
Date Collected: 06/28/24 08:00  
Date Received: 06/29/24 09:43

Lab Sample ID: 280-193462-1  
Matrix: Water

| Analyte  | Result | Qualifier | RL  | MDL | Unit | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|-----|-----|------|---|----------------|----------------|---------|
| Aluminum | 25     | J         | 100 | 18  | ug/L |   | 07/03/24 18:46 | 07/05/24 19:04 | 1       |
| Boron    | 27     | J         | 100 | 1.5 | ug/L |   | 07/03/24 18:46 | 07/05/24 19:04 | 1       |
| Iron     | 49     | J         | 100 | 9.1 | ug/L |   | 07/03/24 18:46 | 07/05/24 19:04 | 1       |
| Lithium  | ND     |           | 20  | 9.1 | ug/L |   | 07/03/24 18:46 | 07/05/24 19:04 | 1       |

Client Sample ID: PZ-4  
Date Collected: 06/28/24 09:00  
Date Received: 06/29/24 09:43

Lab Sample ID: 280-193462-2  
Matrix: Water

| Analyte  | Result | Qualifier | RL  | MDL | Unit | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|-----|-----|------|---|----------------|----------------|---------|
| Aluminum | ND     |           | 100 | 18  | ug/L |   | 07/03/24 18:46 | 07/05/24 19:36 | 1       |
| Boron    | 9.7    | J         | 100 | 1.5 | ug/L |   | 07/03/24 18:46 | 07/05/24 19:36 | 1       |
| Iron     | ND     |           | 100 | 9.1 | ug/L |   | 07/03/24 18:46 | 07/05/24 19:36 | 1       |
| Lithium  | ND     |           | 20  | 9.1 | ug/L |   | 07/03/24 18:46 | 07/05/24 19:36 | 1       |

Client Sample ID: MA1TMW-4  
Date Collected: 06/28/24 10:00  
Date Received: 06/29/24 09:43

Lab Sample ID: 280-193462-3  
Matrix: Water

| Analyte  | Result | Qualifier | RL  | MDL | Unit | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|-----|-----|------|---|----------------|----------------|---------|
| Aluminum | ND     |           | 100 | 18  | ug/L |   | 07/03/24 18:46 | 07/05/24 19:40 | 1       |
| Boron    | 69     | J         | 100 | 1.5 | ug/L |   | 07/03/24 18:46 | 07/05/24 19:40 | 1       |
| Iron     | ND     |           | 100 | 9.1 | ug/L |   | 07/03/24 18:46 | 07/05/24 19:40 | 1       |
| Lithium  | ND     |           | 20  | 9.1 | ug/L |   | 07/03/24 18:46 | 07/05/24 19:40 | 1       |

Client Sample ID: LM-MW-3  
Date Collected: 06/28/24 11:00  
Date Received: 06/29/24 09:43

Lab Sample ID: 280-193462-4  
Matrix: Water

| Analyte  | Result | Qualifier | RL  | MDL | Unit | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|-----|-----|------|---|----------------|----------------|---------|
| Aluminum | ND     |           | 100 | 18  | ug/L |   | 07/03/24 18:46 | 07/05/24 19:44 | 1       |
| Boron    | 37     | J         | 100 | 1.5 | ug/L |   | 07/03/24 18:46 | 07/05/24 19:44 | 1       |
| Iron     | ND     |           | 100 | 9.1 | ug/L |   | 07/03/24 18:46 | 07/05/24 19:44 | 1       |
| Lithium  | ND     |           | 20  | 9.1 | ug/L |   | 07/03/24 18:46 | 07/05/24 19:44 | 1       |

Client Sample ID: MW-13  
Date Collected: 06/28/24 12:15  
Date Received: 06/29/24 09:43

Lab Sample ID: 280-193462-5  
Matrix: Water

| Analyte  | Result | Qualifier | RL  | MDL | Unit | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|-----|-----|------|---|----------------|----------------|---------|
| Aluminum | ND     |           | 100 | 18  | ug/L |   | 07/03/24 18:46 | 07/05/24 19:47 | 1       |
| Boron    | 4.3    | J         | 100 | 1.5 | ug/L |   | 07/03/24 18:46 | 07/05/24 19:47 | 1       |
| Iron     | ND     |           | 100 | 9.1 | ug/L |   | 07/03/24 18:46 | 07/05/24 19:47 | 1       |
| Lithium  | ND     |           | 20  | 9.1 | ug/L |   | 07/03/24 18:46 | 07/05/24 19:47 | 1       |

Client Sample ID: MW-13A  
Date Collected: 06/28/24 13:00  
Date Received: 06/29/24 09:43

Lab Sample ID: 280-193462-6  
Matrix: Water

| Analyte  | Result | Qualifier | RL  | MDL | Unit | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|-----|-----|------|---|----------------|----------------|---------|
| Aluminum | 440    |           | 100 | 18  | ug/L |   | 07/03/24 18:46 | 07/05/24 19:51 | 1       |
| Boron    | 44     | J         | 100 | 1.5 | ug/L |   | 07/03/24 18:46 | 07/05/24 19:51 | 1       |
| Iron     | ND     |           | 100 | 9.1 | ug/L |   | 07/03/24 18:46 | 07/05/24 19:51 | 1       |
| Lithium  | 9.8    | J         | 20  | 9.1 | ug/L |   | 07/03/24 18:46 | 07/05/24 19:51 | 1       |

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# Client Sample Results

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

Job ID: 280-193462-1

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

Client Sample ID: MW-100  
Date Collected: 06/28/24 13:15  
Date Received: 06/29/24 09:43

Lab Sample ID: 280-193462-7  
Matrix: Water

| Analyte  | Result | Qualifier | RL  | MDL | Unit | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|-----|-----|------|---|----------------|----------------|---------|
| Aluminum | 420    |           | 100 | 18  | ug/L |   | 07/03/24 18:46 | 07/05/24 19:56 | 1       |
| Boron    | 44     | J         | 100 | 1.5 | ug/L |   | 07/03/24 18:46 | 07/05/24 19:56 | 1       |
| Iron     | ND     |           | 100 | 9.1 | ug/L |   | 07/03/24 18:46 | 07/05/24 19:56 | 1       |
| Lithium  | 13     | J         | 20  | 9.1 | ug/L |   | 07/03/24 18:46 | 07/05/24 19:56 | 1       |

Client Sample ID: LM-MW-2  
Date Collected: 06/28/24 14:00  
Date Received: 06/29/24 09:43

Lab Sample ID: 280-193462-8  
Matrix: Water

| Analyte  | Result | Qualifier | RL  | MDL | Unit | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|-----|-----|------|---|----------------|----------------|---------|
| Aluminum | ND     |           | 100 | 18  | ug/L |   | 07/03/24 18:46 | 07/05/24 20:11 | 1       |
| Boron    | 52     | J         | 100 | 1.5 | ug/L |   | 07/03/24 18:46 | 07/05/24 20:11 | 1       |
| Iron     | ND     |           | 100 | 9.1 | ug/L |   | 07/03/24 18:46 | 07/05/24 20:11 | 1       |
| Lithium  | ND     |           | 20  | 9.1 | ug/L |   | 07/03/24 18:46 | 07/05/24 20:11 | 1       |

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

Client Sample ID: BMW-1  
Date Collected: 06/28/24 08:00  
Date Received: 06/29/24 09:43

Lab Sample ID: 280-193462-1  
Matrix: Water

| Analyte    | Result | Qualifier | RL  | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|------------|--------|-----------|-----|-------|------|---|----------------|----------------|---------|
| Silver     | 0.057  | J         | 1.0 | 0.045 | ug/L |   | 07/03/24 18:46 | 07/04/24 14:32 | 1       |
| Arsenic    | 0.69   | J         | 5.0 | 0.50  | ug/L |   | 07/03/24 18:46 | 07/04/24 14:32 | 1       |
| Barium     | 95     |           | 3.0 | 0.38  | ug/L |   | 07/03/24 18:46 | 07/04/24 14:32 | 1       |
| Beryllium  | ND     |           | 1.0 | 0.30  | ug/L |   | 07/03/24 18:46 | 07/04/24 14:32 | 1       |
| Cadmium    | ND     |           | 1.0 | 0.19  | ug/L |   | 07/03/24 18:46 | 07/04/24 14:32 | 1       |
| Cobalt     | ND     |           | 1.0 | 0.33  | ug/L |   | 07/03/24 18:46 | 07/04/24 14:32 | 1       |
| Chromium   | ND     |           | 3.0 | 0.50  | ug/L |   | 07/03/24 18:46 | 07/04/24 14:32 | 1       |
| Copper     | ND     |           | 2.0 | 0.71  | ug/L |   | 07/03/24 18:46 | 07/04/24 14:32 | 1       |
| Manganese  | ND     |           | 3.0 | 0.51  | ug/L |   | 07/03/24 18:46 | 07/04/24 18:05 | 1       |
| Molybdenum | 2.9    |           | 2.0 | 0.37  | ug/L |   | 07/03/24 18:46 | 07/04/24 14:32 | 1       |
| Nickel     | ND     |           | 3.0 | 0.83  | ug/L |   | 07/03/24 18:46 | 07/04/24 14:32 | 1       |
| Lead       | ND     |           | 1.0 | 0.23  | ug/L |   | 07/03/24 18:46 | 07/04/24 14:32 | 1       |
| Antimony   | ND     |           | 2.0 | 0.40  | ug/L |   | 07/03/24 18:46 | 07/04/24 14:32 | 1       |
| Selenium   | ND     |           | 5.0 | 1.0   | ug/L |   | 07/03/24 18:46 | 07/04/24 14:32 | 1       |
| Thallium   | ND     |           | 1.0 | 0.21  | ug/L |   | 07/03/24 18:46 | 07/04/24 14:32 | 1       |
| Uranium    | 0.043  | J         | 1.0 | 0.030 | ug/L |   | 07/03/24 18:46 | 07/04/24 14:32 | 1       |
| Vanadium   | ND     |           | 5.0 | 1.1   | ug/L |   | 07/03/24 18:46 | 07/04/24 14:32 | 1       |
| Zinc       | ND     |           | 10  | 2.0   | ug/L |   | 07/03/24 18:46 | 07/04/24 14:32 | 1       |

Client Sample ID: PZ-4  
Date Collected: 06/28/24 09:00  
Date Received: 06/29/24 09:43

Lab Sample ID: 280-193462-2  
Matrix: Water

| Analyte   | Result | Qualifier | RL  | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|-----|-------|------|---|----------------|----------------|---------|
| Silver    | 0.069  | J         | 1.0 | 0.045 | ug/L |   | 07/03/24 18:46 | 07/04/24 14:43 | 1       |
| Arsenic   | ND     |           | 5.0 | 0.50  | ug/L |   | 07/03/24 18:46 | 07/04/24 14:43 | 1       |
| Barium    | 250    |           | 3.0 | 0.38  | ug/L |   | 07/03/24 18:46 | 07/04/24 14:43 | 1       |
| Beryllium | ND     |           | 1.0 | 0.30  | ug/L |   | 07/03/24 18:46 | 07/04/24 14:43 | 1       |
| Cadmium   | ND     |           | 1.0 | 0.19  | ug/L |   | 07/03/24 18:46 | 07/04/24 14:43 | 1       |
| Cobalt    | ND     |           | 1.0 | 0.33  | ug/L |   | 07/03/24 18:46 | 07/04/24 14:43 | 1       |
| Chromium  | ND     |           | 3.0 | 0.50  | ug/L |   | 07/03/24 18:46 | 07/04/24 14:43 | 1       |

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# Client Sample Results

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

Job ID: 280-193462-1

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

Client Sample ID: PZ-4

Date Collected: 06/28/24 09:00

Date Received: 06/29/24 09:43

Lab Sample ID: 280-193462-2

Matrix: Water

| Analyte           | Result      | Qualifier | RL  | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-------------------|-------------|-----------|-----|-------|------|---|----------------|----------------|---------|
| Copper            | ND          |           | 2.0 | 0.71  | ug/L |   | 07/03/24 18:46 | 07/04/24 14:43 | 1       |
| Manganese         | ND          |           | 3.0 | 0.51  | ug/L |   | 07/03/24 18:46 | 07/04/24 18:16 | 1       |
| <b>Molybdenum</b> | <b>0.75</b> | <b>J</b>  | 2.0 | 0.37  | ug/L |   | 07/03/24 18:46 | 07/04/24 14:43 | 1       |
| Nickel            | ND          |           | 3.0 | 0.83  | ug/L |   | 07/03/24 18:46 | 07/04/24 14:43 | 1       |
| Lead              | ND          |           | 1.0 | 0.23  | ug/L |   | 07/03/24 18:46 | 07/04/24 14:43 | 1       |
| <b>Antimony</b>   | <b>1.2</b>  | <b>J</b>  | 2.0 | 0.40  | ug/L |   | 07/03/24 18:46 | 07/04/24 14:43 | 1       |
| Selenium          | ND          |           | 5.0 | 1.0   | ug/L |   | 07/03/24 18:46 | 07/04/24 14:43 | 1       |
| <b>Thallium</b>   | <b>0.28</b> | <b>J</b>  | 1.0 | 0.21  | ug/L |   | 07/03/24 18:46 | 07/04/24 14:43 | 1       |
| <b>Uranium</b>    | <b>14</b>   |           | 1.0 | 0.030 | ug/L |   | 07/03/24 18:46 | 07/04/24 14:43 | 1       |
| Vanadium          | ND          |           | 5.0 | 1.1   | ug/L |   | 07/03/24 18:46 | 07/04/24 14:43 | 1       |
| Zinc              | ND          |           | 10  | 2.0   | ug/L |   | 07/03/24 18:46 | 07/04/24 14:43 | 1       |

Client Sample ID: MA1TMW-4

Date Collected: 06/28/24 10:00

Date Received: 06/29/24 09:43

Lab Sample ID: 280-193462-3

Matrix: Water

| Analyte          | Result      | Qualifier | RL  | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|------------------|-------------|-----------|-----|-------|------|---|----------------|----------------|---------|
| Silver           | ND          |           | 1.0 | 0.045 | ug/L |   | 07/03/24 18:46 | 07/04/24 14:50 | 1       |
| Arsenic          | ND          |           | 5.0 | 0.50  | ug/L |   | 07/03/24 18:46 | 07/04/24 14:50 | 1       |
| <b>Barium</b>    | <b>24</b>   |           | 3.0 | 0.38  | ug/L |   | 07/03/24 18:46 | 07/04/24 14:50 | 1       |
| Beryllium        | ND          |           | 1.0 | 0.30  | ug/L |   | 07/03/24 18:46 | 07/04/24 14:50 | 1       |
| Cadmium          | ND          |           | 1.0 | 0.19  | ug/L |   | 07/03/24 18:46 | 07/04/24 14:50 | 1       |
| <b>Cobalt</b>    | <b>0.71</b> | <b>J</b>  | 1.0 | 0.33  | ug/L |   | 07/03/24 18:46 | 07/04/24 14:50 | 1       |
| Chromium         | ND          |           | 3.0 | 0.50  | ug/L |   | 07/03/24 18:46 | 07/04/24 14:50 | 1       |
| Copper           | ND          |           | 2.0 | 0.71  | ug/L |   | 07/03/24 18:46 | 07/04/24 14:50 | 1       |
| <b>Manganese</b> | <b>3.1</b>  |           | 3.0 | 0.51  | ug/L |   | 07/03/24 18:46 | 07/04/24 18:18 | 1       |
| Molybdenum       | ND          |           | 2.0 | 0.37  | ug/L |   | 07/03/24 18:46 | 07/04/24 14:50 | 1       |
| Nickel           | ND          |           | 3.0 | 0.83  | ug/L |   | 07/03/24 18:46 | 07/04/24 14:50 | 1       |
| Lead             | ND          |           | 1.0 | 0.23  | ug/L |   | 07/03/24 18:46 | 07/04/24 14:50 | 1       |
| Antimony         | ND          |           | 2.0 | 0.40  | ug/L |   | 07/03/24 18:46 | 07/04/24 14:50 | 1       |
| Selenium         | ND          |           | 5.0 | 1.0   | ug/L |   | 07/03/24 18:46 | 07/04/24 14:50 | 1       |
| Thallium         | ND          |           | 1.0 | 0.21  | ug/L |   | 07/03/24 18:46 | 07/04/24 14:50 | 1       |
| <b>Uranium</b>   | <b>3.2</b>  |           | 1.0 | 0.030 | ug/L |   | 07/03/24 18:46 | 07/04/24 14:50 | 1       |
| Vanadium         | ND          |           | 5.0 | 1.1   | ug/L |   | 07/03/24 18:46 | 07/04/24 14:50 | 1       |
| <b>Zinc</b>      | <b>15</b>   |           | 10  | 2.0   | ug/L |   | 07/03/24 18:46 | 07/04/24 14:50 | 1       |

Client Sample ID: LM-MW-3

Date Collected: 06/28/24 11:00

Date Received: 06/29/24 09:43

Lab Sample ID: 280-193462-4

Matrix: Water

| Analyte          | Result      | Qualifier | RL  | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|------------------|-------------|-----------|-----|-------|------|---|----------------|----------------|---------|
| Silver           | ND          |           | 1.0 | 0.045 | ug/L |   | 07/03/24 18:46 | 07/04/24 14:52 | 1       |
| Arsenic          | ND          |           | 5.0 | 0.50  | ug/L |   | 07/03/24 18:46 | 07/04/24 14:52 | 1       |
| <b>Barium</b>    | <b>19</b>   |           | 3.0 | 0.38  | ug/L |   | 07/03/24 18:46 | 07/04/24 14:52 | 1       |
| Beryllium        | ND          |           | 1.0 | 0.30  | ug/L |   | 07/03/24 18:46 | 07/04/24 14:52 | 1       |
| <b>Cadmium</b>   | <b>0.20</b> | <b>J</b>  | 1.0 | 0.19  | ug/L |   | 07/03/24 18:46 | 07/04/24 14:52 | 1       |
| Cobalt           | ND          |           | 1.0 | 0.33  | ug/L |   | 07/03/24 18:46 | 07/04/24 14:52 | 1       |
| Chromium         | ND          |           | 3.0 | 0.50  | ug/L |   | 07/03/24 18:46 | 07/04/24 14:52 | 1       |
| <b>Copper</b>    | <b>1.9</b>  | <b>J</b>  | 2.0 | 0.71  | ug/L |   | 07/03/24 18:46 | 07/04/24 14:52 | 1       |
| <b>Manganese</b> | <b>16</b>   |           | 3.0 | 0.51  | ug/L |   | 07/03/24 18:46 | 07/04/24 18:21 | 1       |
| Molybdenum       | ND          |           | 2.0 | 0.37  | ug/L |   | 07/03/24 18:46 | 07/04/24 14:52 | 1       |
| <b>Nickel</b>    | <b>4.4</b>  |           | 3.0 | 0.83  | ug/L |   | 07/03/24 18:46 | 07/04/24 14:52 | 1       |

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# Client Sample Results

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

Job ID: 280-193462-1

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

Client Sample ID: LM-MW-3  
Date Collected: 06/28/24 11:00  
Date Received: 06/29/24 09:43

Lab Sample ID: 280-193462-4  
Matrix: Water

| Analyte  | Result | Qualifier | RL  | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|-----|-------|------|---|----------------|----------------|---------|
| Lead     | ND     |           | 1.0 | 0.23  | ug/L |   | 07/03/24 18:46 | 07/04/24 14:52 | 1       |
| Antimony | ND     |           | 2.0 | 0.40  | ug/L |   | 07/03/24 18:46 | 07/04/24 14:52 | 1       |
| Selenium | ND     |           | 5.0 | 1.0   | ug/L |   | 07/03/24 18:46 | 07/04/24 14:52 | 1       |
| Thallium | ND     |           | 1.0 | 0.21  | ug/L |   | 07/03/24 18:46 | 07/04/24 14:52 | 1       |
| Uranium  | 6.1    |           | 1.0 | 0.030 | ug/L |   | 07/03/24 18:46 | 07/04/24 14:52 | 1       |
| Vanadium | ND     |           | 5.0 | 1.1   | ug/L |   | 07/03/24 18:46 | 07/04/24 14:52 | 1       |
| Zinc     | 300    |           | 10  | 2.0   | ug/L |   | 07/03/24 18:46 | 07/04/24 14:52 | 1       |

Client Sample ID: MW-13  
Date Collected: 06/28/24 12:15  
Date Received: 06/29/24 09:43

Lab Sample ID: 280-193462-5  
Matrix: Water

| Analyte    | Result | Qualifier | RL  | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|------------|--------|-----------|-----|-------|------|---|----------------|----------------|---------|
| Silver     | ND     |           | 1.0 | 0.045 | ug/L |   | 07/03/24 18:46 | 07/04/24 14:55 | 1       |
| Arsenic    | ND     |           | 5.0 | 0.50  | ug/L |   | 07/03/24 18:46 | 07/04/24 14:55 | 1       |
| Barium     | 19     |           | 3.0 | 0.38  | ug/L |   | 07/03/24 18:46 | 07/04/24 14:55 | 1       |
| Beryllium  | ND     |           | 1.0 | 0.30  | ug/L |   | 07/03/24 18:46 | 07/04/24 14:55 | 1       |
| Cadmium    | ND     |           | 1.0 | 0.19  | ug/L |   | 07/03/24 18:46 | 07/04/24 14:55 | 1       |
| Cobalt     | 3.6    |           | 1.0 | 0.33  | ug/L |   | 07/03/24 18:46 | 07/04/24 14:55 | 1       |
| Chromium   | 0.76   | J         | 3.0 | 0.50  | ug/L |   | 07/03/24 18:46 | 07/04/24 14:55 | 1       |
| Copper     | ND     |           | 2.0 | 0.71  | ug/L |   | 07/03/24 18:46 | 07/04/24 14:55 | 1       |
| Manganese  | 11     |           | 3.0 | 0.51  | ug/L |   | 07/03/24 18:46 | 07/04/24 18:27 | 1       |
| Molybdenum | ND     |           | 2.0 | 0.37  | ug/L |   | 07/03/24 18:46 | 07/04/24 14:55 | 1       |
| Nickel     | 0.95   | J         | 3.0 | 0.83  | ug/L |   | 07/03/24 18:46 | 07/04/24 14:55 | 1       |
| Lead       | ND     |           | 1.0 | 0.23  | ug/L |   | 07/03/24 18:46 | 07/04/24 14:55 | 1       |
| Antimony   | ND     |           | 2.0 | 0.40  | ug/L |   | 07/03/24 18:46 | 07/04/24 14:55 | 1       |
| Selenium   | 7.0    |           | 5.0 | 1.0   | ug/L |   | 07/03/24 18:46 | 07/04/24 14:55 | 1       |
| Thallium   | ND     |           | 1.0 | 0.21  | ug/L |   | 07/03/24 18:46 | 07/04/24 14:55 | 1       |
| Uranium    | 9.8    |           | 1.0 | 0.030 | ug/L |   | 07/03/24 18:46 | 07/04/24 14:55 | 1       |
| Vanadium   | ND     |           | 5.0 | 1.1   | ug/L |   | 07/03/24 18:46 | 07/04/24 14:55 | 1       |
| Zinc       | 5.8    | J         | 10  | 2.0   | ug/L |   | 07/03/24 18:46 | 07/04/24 14:55 | 1       |

Client Sample ID: MW-13A  
Date Collected: 06/28/24 13:00  
Date Received: 06/29/24 09:43

Lab Sample ID: 280-193462-6  
Matrix: Water

| Analyte    | Result | Qualifier | RL  | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|------------|--------|-----------|-----|-------|------|---|----------------|----------------|---------|
| Silver     | 0.053  | J         | 1.0 | 0.045 | ug/L |   | 07/03/24 18:46 | 07/04/24 14:57 | 1       |
| Arsenic    | ND     |           | 5.0 | 0.50  | ug/L |   | 07/03/24 18:46 | 07/04/24 14:57 | 1       |
| Barium     | 8.7    |           | 3.0 | 0.38  | ug/L |   | 07/03/24 18:46 | 07/04/24 14:57 | 1       |
| Beryllium  | 1.0    |           | 1.0 | 0.30  | ug/L |   | 07/03/24 18:46 | 07/04/24 14:57 | 1       |
| Cadmium    | 240    |           | 1.0 | 0.19  | ug/L |   | 07/03/24 18:46 | 07/04/24 14:57 | 1       |
| Cobalt     | 1.9    |           | 1.0 | 0.33  | ug/L |   | 07/03/24 18:46 | 07/04/24 14:57 | 1       |
| Chromium   | ND     |           | 3.0 | 0.50  | ug/L |   | 07/03/24 18:46 | 07/04/24 14:57 | 1       |
| Copper     | 150    |           | 2.0 | 0.71  | ug/L |   | 07/03/24 18:46 | 07/04/24 14:57 | 1       |
| Manganese  | 8200   |           | 3.0 | 0.51  | ug/L |   | 07/03/24 18:46 | 07/04/24 18:30 | 1       |
| Molybdenum | ND     |           | 2.0 | 0.37  | ug/L |   | 07/03/24 18:46 | 07/04/24 14:57 | 1       |
| Nickel     | 54     |           | 3.0 | 0.83  | ug/L |   | 07/03/24 18:46 | 07/04/24 14:57 | 1       |
| Lead       | 0.41   | J         | 1.0 | 0.23  | ug/L |   | 07/03/24 18:46 | 07/04/24 14:57 | 1       |
| Antimony   | ND     |           | 2.0 | 0.40  | ug/L |   | 07/03/24 18:46 | 07/04/24 14:57 | 1       |
| Selenium   | ND     |           | 5.0 | 1.0   | ug/L |   | 07/03/24 18:46 | 07/04/24 14:57 | 1       |
| Thallium   | ND     |           | 1.0 | 0.21  | ug/L |   | 07/03/24 18:46 | 07/04/24 14:57 | 1       |

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# Client Sample Results

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

Job ID: 280-193462-1

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

Client Sample ID: MW-13A  
Date Collected: 06/28/24 13:00  
Date Received: 06/29/24 09:43

Lab Sample ID: 280-193462-6  
Matrix: Water

| Analyte  | Result | Qualifier | RL  | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|-----|-------|------|---|----------------|----------------|---------|
| Uranium  | 0.15   | J         | 1.0 | 0.030 | ug/L |   | 07/03/24 18:46 | 07/04/24 14:57 | 1       |
| Vanadium | ND     |           | 5.0 | 1.1   | ug/L |   | 07/03/24 18:46 | 07/04/24 14:57 | 1       |
| Zinc     | 40000  | ^2        | 500 | 100   | ug/L |   | 07/03/24 18:46 | 07/08/24 14:31 | 50      |

Client Sample ID: MW-100  
Date Collected: 06/28/24 13:15  
Date Received: 06/29/24 09:43

Lab Sample ID: 280-193462-7  
Matrix: Water

| Analyte    | Result | Qualifier | RL  | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|------------|--------|-----------|-----|-------|------|---|----------------|----------------|---------|
| Silver     | 0.051  | J         | 1.0 | 0.045 | ug/L |   | 07/03/24 18:46 | 07/04/24 14:59 | 1       |
| Arsenic    | ND     |           | 5.0 | 0.50  | ug/L |   | 07/03/24 18:46 | 07/04/24 14:59 | 1       |
| Barium     | 9.0    |           | 3.0 | 0.38  | ug/L |   | 07/03/24 18:46 | 07/04/24 14:59 | 1       |
| Beryllium  | 1.0    |           | 1.0 | 0.30  | ug/L |   | 07/03/24 18:46 | 07/04/24 14:59 | 1       |
| Cadmium    | 240    |           | 1.0 | 0.19  | ug/L |   | 07/03/24 18:46 | 07/04/24 14:59 | 1       |
| Cobalt     | 2.0    |           | 1.0 | 0.33  | ug/L |   | 07/03/24 18:46 | 07/04/24 14:59 | 1       |
| Chromium   | ND     |           | 3.0 | 0.50  | ug/L |   | 07/03/24 18:46 | 07/04/24 14:59 | 1       |
| Copper     | 150    |           | 2.0 | 0.71  | ug/L |   | 07/03/24 18:46 | 07/04/24 14:59 | 1       |
| Manganese  | 8700   |           | 3.0 | 0.51  | ug/L |   | 07/03/24 18:46 | 07/04/24 18:32 | 1       |
| Molybdenum | ND     |           | 2.0 | 0.37  | ug/L |   | 07/03/24 18:46 | 07/04/24 14:59 | 1       |
| Nickel     | 56     |           | 3.0 | 0.83  | ug/L |   | 07/03/24 18:46 | 07/04/24 14:59 | 1       |
| Lead       | 0.48   | J         | 1.0 | 0.23  | ug/L |   | 07/03/24 18:46 | 07/04/24 14:59 | 1       |
| Antimony   | ND     |           | 2.0 | 0.40  | ug/L |   | 07/03/24 18:46 | 07/04/24 14:59 | 1       |
| Selenium   | ND     |           | 5.0 | 1.0   | ug/L |   | 07/03/24 18:46 | 07/04/24 14:59 | 1       |
| Thallium   | ND     |           | 1.0 | 0.21  | ug/L |   | 07/03/24 18:46 | 07/04/24 14:59 | 1       |
| Uranium    | 0.14   | J         | 1.0 | 0.030 | ug/L |   | 07/03/24 18:46 | 07/04/24 14:59 | 1       |
| Vanadium   | ND     |           | 5.0 | 1.1   | ug/L |   | 07/03/24 18:46 | 07/04/24 14:59 | 1       |
| Zinc       | 40000  | ^2        | 500 | 100   | ug/L |   | 07/03/24 18:46 | 07/08/24 14:33 | 50      |

Client Sample ID: LM-MW-2  
Date Collected: 06/28/24 14:00  
Date Received: 06/29/24 09:43

Lab Sample ID: 280-193462-8  
Matrix: Water

| Analyte    | Result | Qualifier | RL  | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|------------|--------|-----------|-----|-------|------|---|----------------|----------------|---------|
| Silver     | ND     |           | 1.0 | 0.045 | ug/L |   | 07/03/24 18:46 | 07/04/24 15:01 | 1       |
| Arsenic    | ND     |           | 5.0 | 0.50  | ug/L |   | 07/03/24 18:46 | 07/04/24 15:01 | 1       |
| Barium     | 26     |           | 3.0 | 0.38  | ug/L |   | 07/03/24 18:46 | 07/04/24 15:01 | 1       |
| Beryllium  | ND     |           | 1.0 | 0.30  | ug/L |   | 07/03/24 18:46 | 07/04/24 15:01 | 1       |
| Cadmium    | 0.41   | J         | 1.0 | 0.19  | ug/L |   | 07/03/24 18:46 | 07/04/24 15:01 | 1       |
| Cobalt     | ND     |           | 1.0 | 0.33  | ug/L |   | 07/03/24 18:46 | 07/04/24 15:01 | 1       |
| Chromium   | ND     |           | 3.0 | 0.50  | ug/L |   | 07/03/24 18:46 | 07/04/24 15:01 | 1       |
| Copper     | ND     |           | 2.0 | 0.71  | ug/L |   | 07/03/24 18:46 | 07/04/24 15:01 | 1       |
| Manganese  | 83     |           | 3.0 | 0.51  | ug/L |   | 07/03/24 18:46 | 07/04/24 18:34 | 1       |
| Molybdenum | ND     |           | 2.0 | 0.37  | ug/L |   | 07/03/24 18:46 | 07/04/24 15:01 | 1       |
| Nickel     | 1.1    | J         | 3.0 | 0.83  | ug/L |   | 07/03/24 18:46 | 07/04/24 15:01 | 1       |
| Lead       | ND     |           | 1.0 | 0.23  | ug/L |   | 07/03/24 18:46 | 07/04/24 15:01 | 1       |
| Antimony   | ND     |           | 2.0 | 0.40  | ug/L |   | 07/03/24 18:46 | 07/04/24 15:01 | 1       |
| Selenium   | 1.7    | J         | 5.0 | 1.0   | ug/L |   | 07/03/24 18:46 | 07/04/24 15:01 | 1       |
| Thallium   | ND     |           | 1.0 | 0.21  | ug/L |   | 07/03/24 18:46 | 07/04/24 15:01 | 1       |
| Uranium    | 2.7    |           | 1.0 | 0.030 | ug/L |   | 07/03/24 18:46 | 07/04/24 15:01 | 1       |
| Vanadium   | ND     |           | 5.0 | 1.1   | ug/L |   | 07/03/24 18:46 | 07/04/24 15:01 | 1       |
| Zinc       | 19     |           | 10  | 2.0   | ug/L |   | 07/03/24 18:46 | 07/04/24 15:01 | 1       |

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# Client Sample Results

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

Job ID: 280-193462-1

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

Client Sample ID: BMW-1  
Date Collected: 06/28/24 08:00  
Date Received: 06/29/24 09:43

Lab Sample ID: 280-193462-1  
Matrix: Water

| Analyte | Result | Qualifier | RL   | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|------|-------|------|---|----------------|----------------|---------|
| Mercury | ND     |           | 0.20 | 0.061 | ug/L |   | 07/05/24 19:50 | 07/06/24 02:47 | 1       |

Client Sample ID: PZ-4  
Date Collected: 06/28/24 09:00  
Date Received: 06/29/24 09:43

Lab Sample ID: 280-193462-2  
Matrix: Water

| Analyte | Result | Qualifier | RL   | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|------|-------|------|---|----------------|----------------|---------|
| Mercury | ND     |           | 0.20 | 0.061 | ug/L |   | 07/05/24 19:50 | 07/06/24 02:49 | 1       |

Client Sample ID: MA1TMW-4  
Date Collected: 06/28/24 10:00  
Date Received: 06/29/24 09:43

Lab Sample ID: 280-193462-3  
Matrix: Water

| Analyte | Result | Qualifier | RL   | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|------|-------|------|---|----------------|----------------|---------|
| Mercury | ND     |           | 0.20 | 0.061 | ug/L |   | 07/05/24 19:50 | 07/06/24 03:02 | 1       |

Client Sample ID: LM-MW-3  
Date Collected: 06/28/24 11:00  
Date Received: 06/29/24 09:43

Lab Sample ID: 280-193462-4  
Matrix: Water

| Analyte | Result | Qualifier | RL   | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|------|-------|------|---|----------------|----------------|---------|
| Mercury | ND     |           | 0.20 | 0.061 | ug/L |   | 07/05/24 19:50 | 07/06/24 03:05 | 1       |

Client Sample ID: MW-13  
Date Collected: 06/28/24 12:15  
Date Received: 06/29/24 09:43

Lab Sample ID: 280-193462-5  
Matrix: Water

| Analyte | Result | Qualifier | RL   | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|------|-------|------|---|----------------|----------------|---------|
| Mercury | ND     |           | 0.20 | 0.061 | ug/L |   | 07/05/24 19:50 | 07/06/24 03:07 | 1       |

Client Sample ID: MW-13A  
Date Collected: 06/28/24 13:00  
Date Received: 06/29/24 09:43

Lab Sample ID: 280-193462-6  
Matrix: Water

| Analyte | Result | Qualifier | RL   | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|------|-------|------|---|----------------|----------------|---------|
| Mercury | ND     |           | 0.20 | 0.061 | ug/L |   | 07/05/24 19:50 | 07/06/24 03:10 | 1       |

Client Sample ID: MW-100  
Date Collected: 06/28/24 13:15  
Date Received: 06/29/24 09:43

Lab Sample ID: 280-193462-7  
Matrix: Water

| Analyte | Result | Qualifier | RL   | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|------|-------|------|---|----------------|----------------|---------|
| Mercury | ND     |           | 0.20 | 0.061 | ug/L |   | 07/05/24 19:50 | 07/06/24 03:12 | 1       |

Client Sample ID: LM-MW-2  
Date Collected: 06/28/24 14:00  
Date Received: 06/29/24 09:43

Lab Sample ID: 280-193462-8  
Matrix: Water

| Analyte | Result | Qualifier | RL   | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|------|-------|------|---|----------------|----------------|---------|
| Mercury | ND     |           | 0.20 | 0.061 | ug/L |   | 07/05/24 19:50 | 07/06/24 03:15 | 1       |

## General Chemistry

Client Sample ID: BMW-1  
Date Collected: 06/28/24 08:00  
Date Received: 06/29/24 09:43

Lab Sample ID: 280-193462-1  
Matrix: Water

| Analyte                  | Result | Qualifier | RL   | MDL   | Unit | D | Prepared | Analyzed       | Dil Fac |
|--------------------------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Nitrate as N (EPA 300.0) | ND     |           | 0.50 | 0.090 | mg/L |   |          | 06/29/24 23:54 | 1       |
| Nitrite as N (EPA 300.0) | ND     |           | 0.50 | 0.049 | mg/L |   |          | 06/29/24 23:54 | 1       |

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# Client Sample Results

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

Job ID: 280-193462-1

## General Chemistry (Continued)

**Client Sample ID: BMW-1**  
**Date Collected: 06/28/24 08:00**  
**Date Received: 06/29/24 09:43**

**Lab Sample ID: 280-193462-1**  
**Matrix: Water**

| Analyte                                        | Result     | Qualifier | RL     | MDL    | Unit | D | Prepared | Analyzed       | Dil Fac |
|------------------------------------------------|------------|-----------|--------|--------|------|---|----------|----------------|---------|
| Nitrate Nitrite as N (EPA 353.2)               | ND         |           | 0.10   | 0.044  | mg/L |   |          | 07/08/24 16:31 | 1       |
| Cyanide, Free (OI CORP OIA-1677)               | ND         |           | 0.0060 | 0.0050 | mg/L |   |          | 07/10/24 11:11 | 1       |
| <b>Total Dissolved Solids (TDS) (SM 2540C)</b> | <b>130</b> |           | 10     | 4.7    | mg/L |   |          | 07/02/24 09:19 | 1       |

**Client Sample ID: PZ-4**  
**Date Collected: 06/28/24 09:00**  
**Date Received: 06/29/24 09:43**

**Lab Sample ID: 280-193462-2**  
**Matrix: Water**

| Analyte                                        | Result     | Qualifier | RL     | MDL    | Unit | D | Prepared | Analyzed       | Dil Fac |
|------------------------------------------------|------------|-----------|--------|--------|------|---|----------|----------------|---------|
| <b>Nitrate as N (EPA 300.0)</b>                | <b>3.6</b> |           | 0.50   | 0.090  | mg/L |   |          | 06/30/24 01:36 | 1       |
| Nitrite as N (EPA 300.0)                       | ND         |           | 0.50   | 0.049  | mg/L |   |          | 06/30/24 01:36 | 1       |
| <b>Nitrate Nitrite as N (EPA 353.2)</b>        | <b>3.8</b> |           | 0.20   | 0.088  | mg/L |   |          | 07/08/24 16:33 | 2       |
| Cyanide, Free (OI CORP OIA-1677)               | ND         |           | 0.0060 | 0.0050 | mg/L |   |          | 07/10/24 11:08 | 1       |
| <b>Total Dissolved Solids (TDS) (SM 2540C)</b> | <b>380</b> |           | 10     | 4.7    | mg/L |   |          | 07/02/24 09:19 | 1       |

**Client Sample ID: MA1TMW-4**  
**Date Collected: 06/28/24 10:00**  
**Date Received: 06/29/24 09:43**

**Lab Sample ID: 280-193462-3**  
**Matrix: Water**

| Analyte                                        | Result     | Qualifier | RL     | MDL    | Unit | D | Prepared | Analyzed       | Dil Fac |
|------------------------------------------------|------------|-----------|--------|--------|------|---|----------|----------------|---------|
| <b>Nitrate as N (EPA 300.0)</b>                | <b>3.0</b> |           | 0.50   | 0.090  | mg/L |   |          | 06/30/24 01:53 | 1       |
| Nitrite as N (EPA 300.0)                       | ND         |           | 0.50   | 0.049  | mg/L |   |          | 06/30/24 01:53 | 1       |
| <b>Nitrate Nitrite as N (EPA 353.2)</b>        | <b>3.3</b> |           | 0.10   | 0.044  | mg/L |   |          | 07/08/24 16:35 | 1       |
| Cyanide, Free (OI CORP OIA-1677)               | ND         |           | 0.0060 | 0.0050 | mg/L |   |          | 07/10/24 11:06 | 1       |
| <b>Total Dissolved Solids (TDS) (SM 2540C)</b> | <b>350</b> |           | 10     | 4.7    | mg/L |   |          | 07/02/24 09:19 | 1       |

**Client Sample ID: LM-MW-3**  
**Date Collected: 06/28/24 11:00**  
**Date Received: 06/29/24 09:43**

**Lab Sample ID: 280-193462-4**  
**Matrix: Water**

| Analyte                                        | Result      | Qualifier | RL     | MDL    | Unit | D | Prepared | Analyzed       | Dil Fac |
|------------------------------------------------|-------------|-----------|--------|--------|------|---|----------|----------------|---------|
| <b>Nitrate as N (EPA 300.0)</b>                | <b>6.1</b>  |           | 0.50   | 0.090  | mg/L |   |          | 06/30/24 02:44 | 1       |
| <b>Nitrite as N (EPA 300.0)</b>                | <b>0.12</b> | <b>J</b>  | 0.50   | 0.049  | mg/L |   |          | 06/30/24 02:44 | 1       |
| <b>Nitrate Nitrite as N (EPA 353.2)</b>        | <b>6.1</b>  |           | 0.20   | 0.088  | mg/L |   |          | 07/10/24 12:40 | 2       |
| Cyanide, Free (OI CORP OIA-1677)               | ND          |           | 0.0060 | 0.0050 | mg/L |   |          | 07/10/24 10:56 | 1       |
| <b>Total Dissolved Solids (TDS) (SM 2540C)</b> | <b>630</b>  |           | 10     | 4.7    | mg/L |   |          | 07/02/24 09:19 | 1       |

**Client Sample ID: MW-13**  
**Date Collected: 06/28/24 12:15**  
**Date Received: 06/29/24 09:43**

**Lab Sample ID: 280-193462-5**  
**Matrix: Water**

| Analyte                                        | Result       | Qualifier | RL     | MDL    | Unit | D | Prepared | Analyzed       | Dil Fac |
|------------------------------------------------|--------------|-----------|--------|--------|------|---|----------|----------------|---------|
| <b>Nitrate as N (EPA 300.0)</b>                | <b>4.6</b>   |           | 0.50   | 0.090  | mg/L |   |          | 06/30/24 04:27 | 1       |
| <b>Nitrite as N (EPA 300.0)</b>                | <b>0.087</b> | <b>J</b>  | 0.50   | 0.049  | mg/L |   |          | 06/30/24 04:27 | 1       |
| <b>Nitrate Nitrite as N (EPA 353.2)</b>        | <b>4.8</b>   |           | 0.20   | 0.088  | mg/L |   |          | 07/08/24 16:39 | 2       |
| Cyanide, Free (OI CORP OIA-1677)               | ND           |           | 0.0060 | 0.0050 | mg/L |   |          | 07/10/24 11:13 | 1       |
| <b>Total Dissolved Solids (TDS) (SM 2540C)</b> | <b>770</b>   |           | 10     | 4.7    | mg/L |   |          | 07/02/24 09:19 | 1       |

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# Client Sample Results

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

Job ID: 280-193462-1

## General Chemistry

Client Sample ID: MW-13A  
Date Collected: 06/28/24 13:00  
Date Received: 06/29/24 09:43

Lab Sample ID: 280-193462-6  
Matrix: Water

| Analyte                                 | Result | Qualifier | RL     | MDL    | Unit | D | Prepared | Analyzed       | Dil Fac |
|-----------------------------------------|--------|-----------|--------|--------|------|---|----------|----------------|---------|
| Nitrate as N (EPA 300.0)                | 3.3    |           | 0.50   | 0.090  | mg/L |   |          | 06/30/24 05:52 | 1       |
| Nitrite as N (EPA 300.0)                | 0.071  | J         | 0.50   | 0.049  | mg/L |   |          | 06/30/24 05:52 | 1       |
| Nitrate Nitrite as N (EPA 353.2)        | 3.4    |           | 0.20   | 0.088  | mg/L |   |          | 07/08/24 16:41 | 2       |
| Cyanide, Free (OI CORP OIA-1677)        | ND     |           | 0.0060 | 0.0050 | mg/L |   |          | 07/10/24 11:23 | 1       |
| Total Dissolved Solids (TDS) (SM 2540C) | 910    |           | 10     | 4.7    | mg/L |   |          | 07/02/24 09:19 | 1       |

Client Sample ID: MW-100  
Date Collected: 06/28/24 13:15  
Date Received: 06/29/24 09:43

Lab Sample ID: 280-193462-7  
Matrix: Water

| Analyte                                 | Result | Qualifier | RL     | MDL    | Unit | D | Prepared | Analyzed       | Dil Fac |
|-----------------------------------------|--------|-----------|--------|--------|------|---|----------|----------------|---------|
| Nitrate as N (EPA 300.0)                | 3.2    |           | 0.50   | 0.090  | mg/L |   |          | 06/30/24 06:26 | 1       |
| Nitrite as N (EPA 300.0)                | 0.069  | J         | 0.50   | 0.049  | mg/L |   |          | 06/30/24 06:26 | 1       |
| Nitrate Nitrite as N (EPA 353.2)        | 3.5    |           | 0.20   | 0.088  | mg/L |   |          | 07/08/24 16:43 | 2       |
| Cyanide, Free (OI CORP OIA-1677)        | ND     |           | 0.0060 | 0.0050 | mg/L |   |          | 07/10/24 11:03 | 1       |
| Total Dissolved Solids (TDS) (SM 2540C) | 920    |           | 10     | 4.7    | mg/L |   |          | 07/02/24 09:19 | 1       |

Client Sample ID: LM-MW-2  
Date Collected: 06/28/24 14:00  
Date Received: 06/29/24 09:43

Lab Sample ID: 280-193462-8  
Matrix: Water

| Analyte                                 | Result | Qualifier | RL     | MDL    | Unit | D | Prepared | Analyzed       | Dil Fac |
|-----------------------------------------|--------|-----------|--------|--------|------|---|----------|----------------|---------|
| Nitrate as N (EPA 300.0)                | 0.88   |           | 0.50   | 0.090  | mg/L |   |          | 06/30/24 07:17 | 1       |
| Nitrite as N (EPA 300.0)                | ND     |           | 0.50   | 0.049  | mg/L |   |          | 06/30/24 07:17 | 1       |
| Nitrate Nitrite as N (EPA 353.2)        | 0.91   |           | 0.10   | 0.044  | mg/L |   |          | 07/08/24 16:45 | 1       |
| Cyanide, Free (OI CORP OIA-1677)        | ND     |           | 0.0060 | 0.0050 | mg/L |   |          | 07/10/24 11:53 | 1       |
| Total Dissolved Solids (TDS) (SM 2540C) | 910    |           | 10     | 4.7    | mg/L |   |          | 07/02/24 09:19 | 1       |

## General Chemistry - Dissolved

Client Sample ID: BMW-1  
Date Collected: 06/28/24 08:00  
Date Received: 06/29/24 09:43

Lab Sample ID: 280-193462-1  
Matrix: Water

| Analyte              | Result | Qualifier | RL   | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|----------------------|--------|-----------|------|------|------|---|----------|----------------|---------|
| Chloride (EPA 300.0) | 1.1    | J         | 3.0  | 1.0  | mg/L |   |          | 07/03/24 04:02 | 1       |
| Fluoride (EPA 300.0) | 0.31   | J         | 0.50 | 0.17 | mg/L |   |          | 07/03/24 04:02 | 1       |
| Sulfate (EPA 300.0)  | 17     |           | 5.0  | 1.0  | mg/L |   |          | 07/03/24 04:02 | 1       |

Client Sample ID: PZ-4  
Date Collected: 06/28/24 09:00  
Date Received: 06/29/24 09:43

Lab Sample ID: 280-193462-2  
Matrix: Water

| Analyte              | Result | Qualifier | RL   | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|----------------------|--------|-----------|------|------|------|---|----------|----------------|---------|
| Chloride (EPA 300.0) | 28     |           | 3.0  | 1.0  | mg/L |   |          | 07/03/24 04:12 | 1       |
| Fluoride (EPA 300.0) | 0.23   | J         | 0.50 | 0.17 | mg/L |   |          | 07/03/24 04:12 | 1       |
| Sulfate (EPA 300.0)  | 92     |           | 5.0  | 1.0  | mg/L |   |          | 07/03/24 04:12 | 1       |

Client Sample ID: MA1TMW-4  
Date Collected: 06/28/24 10:00  
Date Received: 06/29/24 09:43

Lab Sample ID: 280-193462-3  
Matrix: Water

| Analyte              | Result | Qualifier | RL  | MDL | Unit | D | Prepared | Analyzed       | Dil Fac |
|----------------------|--------|-----------|-----|-----|------|---|----------|----------------|---------|
| Chloride (EPA 300.0) | 20     |           | 3.0 | 1.0 | mg/L |   |          | 07/03/24 04:23 | 1       |

Eurofins Denver

# Client Sample Results

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

Job ID: 280-193462-1

## General Chemistry - Dissolved (Continued)

Client Sample ID: MA1TMW-4  
Date Collected: 06/28/24 10:00  
Date Received: 06/29/24 09:43

Lab Sample ID: 280-193462-3  
Matrix: Water

| Analyte              | Result | Qualifier | RL   | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|----------------------|--------|-----------|------|------|------|---|----------|----------------|---------|
| Fluoride (EPA 300.0) | ND     |           | 0.50 | 0.17 | mg/L |   |          | 07/03/24 04:23 | 1       |
| Sulfate (EPA 300.0)  | 130    |           | 5.0  | 1.0  | mg/L |   |          | 07/03/24 04:23 | 1       |

Client Sample ID: LM-MW-3  
Date Collected: 06/28/24 11:00  
Date Received: 06/29/24 09:43

Lab Sample ID: 280-193462-4  
Matrix: Water

| Analyte              | Result | Qualifier | RL   | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|----------------------|--------|-----------|------|------|------|---|----------|----------------|---------|
| Chloride (EPA 300.0) | 22     |           | 3.0  | 1.0  | mg/L |   |          | 07/03/24 05:07 | 1       |
| Fluoride (EPA 300.0) | ND     |           | 0.50 | 0.17 | mg/L |   |          | 07/03/24 05:07 | 1       |
| Sulfate (EPA 300.0)  | 320    |           | 25   | 5.2  | mg/L |   |          | 07/03/24 05:18 | 5       |

Client Sample ID: MW-13  
Date Collected: 06/28/24 12:15  
Date Received: 06/29/24 09:43

Lab Sample ID: 280-193462-5  
Matrix: Water

| Analyte              | Result | Qualifier | RL   | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|----------------------|--------|-----------|------|------|------|---|----------|----------------|---------|
| Chloride (EPA 300.0) | 15     |           | 3.0  | 1.0  | mg/L |   |          | 07/03/24 05:29 | 1       |
| Fluoride (EPA 300.0) | 0.17   | J         | 0.50 | 0.17 | mg/L |   |          | 07/03/24 05:29 | 1       |
| Sulfate (EPA 300.0)  | 460    |           | 25   | 5.2  | mg/L |   |          | 07/03/24 05:40 | 5       |

Client Sample ID: MW-13A  
Date Collected: 06/28/24 13:00  
Date Received: 06/29/24 09:43

Lab Sample ID: 280-193462-6  
Matrix: Water

| Analyte              | Result | Qualifier | RL   | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|----------------------|--------|-----------|------|------|------|---|----------|----------------|---------|
| Chloride (EPA 300.0) | 12     |           | 3.0  | 1.0  | mg/L |   |          | 07/03/24 05:51 | 1       |
| Fluoride (EPA 300.0) | 0.33   | J         | 0.50 | 0.17 | mg/L |   |          | 07/03/24 05:51 | 1       |
| Sulfate (EPA 300.0)  | 630    |           | 25   | 5.2  | mg/L |   |          | 07/03/24 06:02 | 5       |

Client Sample ID: MW-100  
Date Collected: 06/28/24 13:15  
Date Received: 06/29/24 09:43

Lab Sample ID: 280-193462-7  
Matrix: Water

| Analyte              | Result | Qualifier | RL   | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|----------------------|--------|-----------|------|------|------|---|----------|----------------|---------|
| Chloride (EPA 300.0) | 12     |           | 3.0  | 1.0  | mg/L |   |          | 07/03/24 06:13 | 1       |
| Fluoride (EPA 300.0) | 0.33   | J         | 0.50 | 0.17 | mg/L |   |          | 07/03/24 06:13 | 1       |
| Sulfate (EPA 300.0)  | 650    |           | 25   | 5.2  | mg/L |   |          | 07/03/24 06:46 | 5       |

Client Sample ID: LM-MW-2  
Date Collected: 06/28/24 14:00  
Date Received: 06/29/24 09:43

Lab Sample ID: 280-193462-8  
Matrix: Water

| Analyte              | Result | Qualifier | RL   | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|----------------------|--------|-----------|------|------|------|---|----------|----------------|---------|
| Chloride (EPA 300.0) | 25     |           | 3.0  | 1.0  | mg/L |   |          | 07/03/24 06:57 | 1       |
| Fluoride (EPA 300.0) | ND     |           | 0.50 | 0.17 | mg/L |   |          | 07/03/24 06:57 | 1       |
| Sulfate (EPA 300.0)  | 580    |           | 25   | 5.2  | mg/L |   |          | 07/03/24 07:08 | 5       |

# Client Sample Results

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

Job ID: 280-193462-1

## Method: EPA 900.0 - Gross Alpha and Gross Beta Radioactivity

Client Sample ID: BMW-1  
Date Collected: 06/28/24 08:00  
Date Received: 06/29/24 09:43

Lab Sample ID: 280-193462-1  
Matrix: Water

| Analyte     | Result | Qualifier | Count<br>Uncert.<br>(2σ+/-) | Total<br>Uncert.<br>(2σ+/-) | RL   | MDC  | Unit  | Prepared       | Analyzed       | Dil Fac |
|-------------|--------|-----------|-----------------------------|-----------------------------|------|------|-------|----------------|----------------|---------|
| Gross Alpha | 0.695  | U         | 1.53                        | 1.53                        | 3.00 | 2.70 | pCi/L | 07/03/24 08:55 | 07/11/24 15:05 | 1       |
| Gross Beta  | 2.51   |           | 1.19                        | 1.22                        | 4.00 | 1.70 | pCi/L | 07/03/24 08:55 | 07/11/24 15:05 | 1       |

Client Sample ID: PZ-4  
Date Collected: 06/28/24 09:00  
Date Received: 06/29/24 09:43

Lab Sample ID: 280-193462-2  
Matrix: Water

| Analyte     | Result | Qualifier | Count<br>Uncert.<br>(2σ+/-) | Total<br>Uncert.<br>(2σ+/-) | RL   | MDC  | Unit  | Prepared       | Analyzed       | Dil Fac |
|-------------|--------|-----------|-----------------------------|-----------------------------|------|------|-------|----------------|----------------|---------|
| Gross Alpha | 17.0   | G         | 5.02                        | 5.38                        | 3.00 | 4.15 | pCi/L | 07/03/24 08:55 | 07/11/24 15:05 | 1       |
| Gross Beta  | 0.708  | U         | 2.09                        | 2.09                        | 4.00 | 3.32 | pCi/L | 07/03/24 08:55 | 07/11/24 15:05 | 1       |

Client Sample ID: MA1TMW-4  
Date Collected: 06/28/24 10:00  
Date Received: 06/29/24 09:43

Lab Sample ID: 280-193462-3  
Matrix: Water

| Analyte     | Result | Qualifier | Count<br>Uncert.<br>(2σ+/-) | Total<br>Uncert.<br>(2σ+/-) | RL   | MDC  | Unit  | Prepared       | Analyzed       | Dil Fac |
|-------------|--------|-----------|-----------------------------|-----------------------------|------|------|-------|----------------|----------------|---------|
| Gross Alpha | 1.75   | U G       | 2.00                        | 2.01                        | 3.00 | 3.28 | pCi/L | 07/03/24 08:55 | 07/11/24 15:05 | 1       |
| Gross Beta  | 1.19   |           | 0.692                       | 0.702                       | 4.00 | 1.02 | pCi/L | 07/03/24 08:55 | 07/11/24 15:05 | 1       |

Client Sample ID: LM-MW-3  
Date Collected: 06/28/24 11:00  
Date Received: 06/29/24 09:43

Lab Sample ID: 280-193462-4  
Matrix: Water

| Analyte     | Result | Qualifier | Count<br>Uncert.<br>(2σ+/-) | Total<br>Uncert.<br>(2σ+/-) | RL   | MDC  | Unit  | Prepared       | Analyzed       | Dil Fac |
|-------------|--------|-----------|-----------------------------|-----------------------------|------|------|-------|----------------|----------------|---------|
| Gross Alpha | 8.15   | G         | 5.26                        | 5.35                        | 3.00 | 7.67 | pCi/L | 07/03/24 08:55 | 07/11/24 15:05 | 1       |
| Gross Beta  | 6.75   |           | 1.91                        | 2.03                        | 4.00 | 2.22 | pCi/L | 07/03/24 08:55 | 07/11/24 15:05 | 1       |

Client Sample ID: MW-13  
Date Collected: 06/28/24 12:15  
Date Received: 06/29/24 09:43

Lab Sample ID: 280-193462-5  
Matrix: Water

| Analyte     | Result | Qualifier | Count<br>Uncert.<br>(2σ+/-) | Total<br>Uncert.<br>(2σ+/-) | RL   | MDC  | Unit  | Prepared       | Analyzed       | Dil Fac |
|-------------|--------|-----------|-----------------------------|-----------------------------|------|------|-------|----------------|----------------|---------|
| Gross Alpha | 5.38   | G         | 3.57                        | 3.62                        | 3.00 | 4.97 | pCi/L | 07/03/24 08:55 | 07/11/24 18:45 | 1       |
| Gross Beta  | 1.98   | U         | 1.39                        | 1.40                        | 4.00 | 2.06 | pCi/L | 07/03/24 08:55 | 07/11/24 18:45 | 1       |

Client Sample ID: MW-13A  
Date Collected: 06/28/24 13:00  
Date Received: 06/29/24 09:43

Lab Sample ID: 280-193462-6  
Matrix: Water

| Analyte     | Result | Qualifier | Count<br>Uncert.<br>(2σ+/-) | Total<br>Uncert.<br>(2σ+/-) | RL   | MDC  | Unit  | Prepared       | Analyzed       | Dil Fac |
|-------------|--------|-----------|-----------------------------|-----------------------------|------|------|-------|----------------|----------------|---------|
| Gross Alpha | 2.55   | U G       | 4.42                        | 4.43                        | 3.00 | 7.65 | pCi/L | 07/03/24 08:55 | 07/11/24 18:45 | 1       |
| Gross Beta  | 8.15   |           | 2.34                        | 2.48                        | 4.00 | 2.85 | pCi/L | 07/03/24 08:55 | 07/11/24 18:45 | 1       |

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# Client Sample Results

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

Job ID: 280-193462-1

## Method: EPA 900.0 - Gross Alpha and Gross Beta Radioactivity

Client Sample ID: MW-100  
Date Collected: 06/28/24 13:15  
Date Received: 06/29/24 09:43

Lab Sample ID: 280-193462-7  
Matrix: Water

| Analyte     | Result | Qualifier | Count<br>Uncert.<br>(2σ+/-) | Total<br>Uncert.<br>(2σ+/-) | RL   | MDC  | Unit  | Prepared       | Analyzed       | Dil Fac |
|-------------|--------|-----------|-----------------------------|-----------------------------|------|------|-------|----------------|----------------|---------|
| Gross Alpha | 0.354  | U G       | 2.88                        | 2.88                        | 3.00 | 5.50 | pCi/L | 07/03/24 08:55 | 07/11/24 18:45 | 1       |
| Gross Beta  | 3.96   |           | 1.32                        | 1.38                        | 4.00 | 1.69 | pCi/L | 07/03/24 08:55 | 07/11/24 18:45 | 1       |

Client Sample ID: LM-MW-2  
Date Collected: 06/28/24 14:00  
Date Received: 06/29/24 09:43

Lab Sample ID: 280-193462-8  
Matrix: Water

| Analyte     | Result | Qualifier | Count<br>Uncert.<br>(2σ+/-) | Total<br>Uncert.<br>(2σ+/-) | RL   | MDC  | Unit  | Prepared       | Analyzed       | Dil Fac |
|-------------|--------|-----------|-----------------------------|-----------------------------|------|------|-------|----------------|----------------|---------|
| Gross Alpha | 9.00   | U G       | 6.95                        | 7.02                        | 3.00 | 10.6 | pCi/L | 07/03/24 08:55 | 07/11/24 19:02 | 1       |
| Gross Beta  | 4.46   | G         | 2.73                        | 2.77                        | 4.00 | 4.01 | pCi/L | 07/03/24 08:55 | 07/11/24 19:02 | 1       |

# QC Sample Results

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

Job ID: 280-193462-1

## Method: 6010D - Metals (ICP)

Lab Sample ID: MB 280-659126/1-B  
Matrix: Water  
Analysis Batch: 659533

Client Sample ID: Method Blank  
Prep Type: Dissolved  
Prep Batch: 659208

| Analyte  | MB Result | MB Qualifier | RL  | MDL | Unit | D | Prepared       | Analyzed       | Dil Fac |
|----------|-----------|--------------|-----|-----|------|---|----------------|----------------|---------|
| Aluminum | ND        |              | 100 | 18  | ug/L |   | 07/03/24 18:46 | 07/05/24 18:48 | 1       |
| Boron    | ND        |              | 100 | 1.5 | ug/L |   | 07/03/24 18:46 | 07/05/24 18:48 | 1       |
| Iron     | ND        |              | 100 | 9.1 | ug/L |   | 07/03/24 18:46 | 07/05/24 18:48 | 1       |
| Lithium  | ND        |              | 20  | 9.1 | ug/L |   | 07/03/24 18:46 | 07/05/24 18:48 | 1       |

Lab Sample ID: LCS 280-659126/2-B  
Matrix: Water  
Analysis Batch: 659533

Client Sample ID: Lab Control Sample  
Prep Type: Dissolved  
Prep Batch: 659208

| Analyte  | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|----------|-------------|------------|---------------|------|---|------|-------------|
| Aluminum | 10000       | 10300      |               | ug/L |   | 103  | 87 - 111    |
| Boron    | 2000        | 1960       |               | ug/L |   | 98   | 86 - 110    |
| Iron     | 10000       | 10100      |               | ug/L |   | 101  | 89 - 115    |
| Lithium  | 1000        | 997        |               | ug/L |   | 100  | 90 - 112    |

Lab Sample ID: 280-193462-1 MS  
Matrix: Water  
Analysis Batch: 659533

Client Sample ID: BMW-1  
Prep Type: Dissolved  
Prep Batch: 659208

| Analyte  | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|----------|---------------|------------------|-------------|-----------|--------------|------|---|------|-------------|
| Aluminum | 25            | J                | 10000       | 10000     |              | ug/L |   | 100  | 83 - 119    |
| Boron    | 27            | J                | 2000        | 1910      |              | ug/L |   | 94   | 87 - 113    |
| Iron     | 49            | J                | 10000       | 9790      |              | ug/L |   | 97   | 75 - 125    |
| Lithium  | ND            |                  | 1000        | 980       |              | ug/L |   | 98   | 89 - 114    |

Lab Sample ID: 280-193462-1 MSD  
Matrix: Water  
Analysis Batch: 659533

Client Sample ID: BMW-1  
Prep Type: Dissolved  
Prep Batch: 659208

| Analyte  | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|----------|---------------|------------------|-------------|------------|---------------|------|---|------|-------------|-----|-----------|
| Aluminum | 25            | J                | 10000       | 10000      |               | ug/L |   | 100  | 83 - 119    | 0   | 20        |
| Boron    | 27            | J                | 2000        | 1920       |               | ug/L |   | 95   | 87 - 113    | 0   | 20        |
| Iron     | 49            | J                | 10000       | 9800       |               | ug/L |   | 98   | 75 - 125    | 0   | 20        |
| Lithium  | ND            |                  | 1000        | 977        |               | ug/L |   | 98   | 89 - 114    | 0   | 20        |

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

Lab Sample ID: MB 280-659126/1-B  
Matrix: Water  
Analysis Batch: 659430

Client Sample ID: Method Blank  
Prep Type: Dissolved  
Prep Batch: 659208

| Analyte   | MB Result | MB Qualifier | RL  | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-----------|-----------|--------------|-----|-------|------|---|----------------|----------------|---------|
| Silver    | ND        |              | 1.0 | 0.045 | ug/L |   | 07/03/24 18:46 | 07/04/24 14:27 | 1       |
| Arsenic   | ND        |              | 5.0 | 0.50  | ug/L |   | 07/03/24 18:46 | 07/04/24 14:27 | 1       |
| Barium    | ND        |              | 3.0 | 0.38  | ug/L |   | 07/03/24 18:46 | 07/04/24 14:27 | 1       |
| Beryllium | ND        |              | 1.0 | 0.30  | ug/L |   | 07/03/24 18:46 | 07/04/24 14:27 | 1       |
| Cadmium   | ND        |              | 1.0 | 0.19  | ug/L |   | 07/03/24 18:46 | 07/04/24 14:27 | 1       |
| Cobalt    | ND        |              | 1.0 | 0.33  | ug/L |   | 07/03/24 18:46 | 07/04/24 14:27 | 1       |
| Chromium  | ND        |              | 3.0 | 0.50  | ug/L |   | 07/03/24 18:46 | 07/04/24 14:27 | 1       |
| Copper    | ND        |              | 2.0 | 0.71  | ug/L |   | 07/03/24 18:46 | 07/04/24 14:27 | 1       |

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# QC Sample Results

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

Job ID: 280-193462-1

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

Lab Sample ID: MB 280-659126/1-B  
Matrix: Water  
Analysis Batch: 659430

Client Sample ID: Method Blank  
Prep Type: Dissolved  
Prep Batch: 659208

| Analyte    | MB Result | MB Qualifier | RL  | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|------------|-----------|--------------|-----|-------|------|---|----------------|----------------|---------|
| Molybdenum | ND        |              | 2.0 | 0.37  | ug/L |   | 07/03/24 18:46 | 07/04/24 14:27 | 1       |
| Nickel     | ND        |              | 3.0 | 0.83  | ug/L |   | 07/03/24 18:46 | 07/04/24 14:27 | 1       |
| Lead       | ND        |              | 1.0 | 0.23  | ug/L |   | 07/03/24 18:46 | 07/04/24 14:27 | 1       |
| Antimony   | ND        |              | 2.0 | 0.40  | ug/L |   | 07/03/24 18:46 | 07/04/24 14:27 | 1       |
| Selenium   | ND        |              | 5.0 | 1.0   | ug/L |   | 07/03/24 18:46 | 07/04/24 14:27 | 1       |
| Thallium   | ND        |              | 1.0 | 0.21  | ug/L |   | 07/03/24 18:46 | 07/04/24 14:27 | 1       |
| Uranium    | ND        |              | 1.0 | 0.030 | ug/L |   | 07/03/24 18:46 | 07/04/24 14:27 | 1       |
| Vanadium   | ND        |              | 5.0 | 1.1   | ug/L |   | 07/03/24 18:46 | 07/04/24 14:27 | 1       |
| Zinc       | ND        |              | 10  | 2.0   | ug/L |   | 07/03/24 18:46 | 07/04/24 14:27 | 1       |

Lab Sample ID: MB 280-659126/1-B  
Matrix: Water  
Analysis Batch: 659430

Client Sample ID: Method Blank  
Prep Type: Dissolved  
Prep Batch: 659208

| Analyte   | MB Result | MB Qualifier | RL  | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-----------|-----------|--------------|-----|------|------|---|----------------|----------------|---------|
| Manganese | ND        |              | 3.0 | 0.51 | ug/L |   | 07/03/24 18:46 | 07/04/24 18:00 | 1       |

Lab Sample ID: LCS 280-659126/2-D  
Matrix: Water  
Analysis Batch: 659430

Client Sample ID: Lab Control Sample  
Prep Type: Dissolved  
Prep Batch: 659208

| Analyte    | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|------------|-------------|------------|---------------|------|---|------|-------------|
| Silver     | 40.0        | 38.8       |               | ug/L |   | 97   | 85 - 115    |
| Arsenic    | 40.0        | 43.0       |               | ug/L |   | 108  | 85 - 117    |
| Barium     | 40.0        | 41.9       |               | ug/L |   | 105  | 85 - 118    |
| Beryllium  | 40.0        | 38.1       |               | ug/L |   | 95   | 80 - 125    |
| Cadmium    | 40.0        | 39.8       |               | ug/L |   | 99   | 85 - 115    |
| Cobalt     | 40.0        | 41.6       |               | ug/L |   | 104  | 85 - 120    |
| Chromium   | 40.0        | 40.3       |               | ug/L |   | 101  | 84 - 121    |
| Copper     | 40.0        | 42.4       |               | ug/L |   | 106  | 85 - 119    |
| Molybdenum | 40.0        | 39.5       |               | ug/L |   | 99   | 85 - 119    |
| Nickel     | 40.0        | 40.1       |               | ug/L |   | 100  | 85 - 119    |
| Lead       | 40.0        | 40.0       |               | ug/L |   | 100  | 85 - 118    |
| Antimony   | 40.0        | 42.1       |               | ug/L |   | 105  | 85 - 115    |
| Selenium   | 40.0        | 41.4       |               | ug/L |   | 104  | 77 - 122    |
| Thallium   | 40.0        | 39.2       |               | ug/L |   | 98   | 85 - 118    |
| Uranium    | 40.0        | 39.8       |               | ug/L |   | 100  | 85 - 119    |
| Vanadium   | 40.0        | 40.8       |               | ug/L |   | 102  | 85 - 120    |
| Zinc       | 40.0        | 43.7       |               | ug/L |   | 109  | 83 - 122    |

Lab Sample ID: LCS 280-659126/2-D  
Matrix: Water  
Analysis Batch: 659430

Client Sample ID: Lab Control Sample  
Prep Type: Dissolved  
Prep Batch: 659208

| Analyte   | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|-----------|-------------|------------|---------------|------|---|------|-------------|
| Manganese | 40.0        | 42.0       |               | ug/L |   | 105  | 85 - 117    |

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# QC Sample Results

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

Job ID: 280-193462-1

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

Lab Sample ID: 280-193462-1 MS

Matrix: Water

Analysis Batch: 659430

Client Sample ID: BMW-1

Prep Type: Dissolved

Prep Batch: 659208

| Analyte    | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|------------|---------------|------------------|-------------|-----------|--------------|------|---|------|-------------|
| Silver     | 0.091         | J F1             | 40.0        | 36.0      | F1           | ug/L |   | 90   | 93 - 118    |
| Arsenic    | 0.54          | J                | 40.0        | 37.9      |              | ug/L |   | 93   | 92 - 112    |
| Barium     | 96            | F1               | 40.0        | 137       |              | ug/L |   | 105  | 92 - 117    |
| Beryllium  | ND            | F1               | 40.0        | 33.5      | F1           | ug/L |   | 84   | 87 - 118    |
| Cadmium    | ND            |                  | 40.0        | 35.0      | F1           | ug/L |   | 87   | 91 - 114    |
| Cobalt     | ND            |                  | 40.0        | 34.8      | F1           | ug/L |   | 87   | 94 - 115    |
| Chromium   | ND            | ^3+              | 40.0        | 33.9      | F1           | ug/L |   | 85   | 91 - 114    |
| Copper     | ND            |                  | 40.0        | 36.1      |              | ug/L |   | 90   | 89 - 116    |
| Molybdenum | 2.9           |                  | 40.0        | 38.6      |              | ug/L |   | 89   | 84 - 117    |
| Nickel     | ND            | F1               | 40.0        | 35.2      | F1           | ug/L |   | 88   | 92 - 116    |
| Lead       | ND            |                  | 40.0        | 36.4      | F1           | ug/L |   | 91   | 95 - 116    |
| Antimony   | ND            |                  | 40.0        | 37.2      |              | ug/L |   | 93   | 80 - 111    |
| Selenium   | ND            | F1               | 40.0        | 36.2      |              | ug/L |   | 91   | 90 - 115    |
| Thallium   | ND            |                  | 40.0        | 35.4      | F1           | ug/L |   | 88   | 94 - 115    |
| Uranium    | ND            |                  | 40.0        | 35.9      | F1           | ug/L |   | 90   | 91 - 116    |
| Vanadium   | ND            |                  | 40.0        | 34.9      | F1           | ug/L |   | 87   | 91 - 114    |
| Zinc       | ND            | ^+               | 40.0        | 36.7      |              | ug/L |   | 92   | 86 - 120    |

Lab Sample ID: 280-193462-1 MS

Matrix: Water

Analysis Batch: 659430

Client Sample ID: BMW-1

Prep Type: Dissolved

Prep Batch: 659208

| Analyte   | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|-----------|---------------|------------------|-------------|-----------|--------------|------|---|------|-------------|
| Manganese | ND            |                  | 40.0        | 37.8      |              | ug/L |   | 95   | 89 - 119    |

Lab Sample ID: 280-193462-1 MSD

Matrix: Water

Analysis Batch: 659430

Client Sample ID: BMW-1

Prep Type: Dissolved

Prep Batch: 659208

| Analyte    | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|------------|---------------|------------------|-------------|------------|---------------|------|---|------|-------------|-----|-----------|
| Silver     | 0.091         | J F1             | 40.0        | 37.5       |               | ug/L |   | 94   | 93 - 118    | 4   | 20        |
| Arsenic    | 0.54          | J                | 40.0        | 38.7       |               | ug/L |   | 95   | 92 - 112    | 2   | 20        |
| Barium     | 96            | F1               | 40.0        | 146        | F1            | ug/L |   | 126  | 92 - 117    | 6   | 20        |
| Beryllium  | ND            | F1               | 40.0        | 36.7       |               | ug/L |   | 92   | 87 - 118    | 9   | 20        |
| Cadmium    | ND            |                  | 40.0        | 37.7       |               | ug/L |   | 94   | 91 - 114    | 7   | 20        |
| Cobalt     | ND            |                  | 40.0        | 37.5       |               | ug/L |   | 94   | 94 - 115    | 7   | 20        |
| Chromium   | ND            | ^3+              | 40.0        | 37.1       |               | ug/L |   | 93   | 91 - 114    | 9   | 20        |
| Copper     | ND            |                  | 40.0        | 38.1       |               | ug/L |   | 95   | 89 - 116    | 5   | 20        |
| Molybdenum | 2.9           |                  | 40.0        | 41.1       |               | ug/L |   | 95   | 84 - 117    | 6   | 20        |
| Nickel     | ND            | F1               | 40.0        | 37.2       |               | ug/L |   | 93   | 92 - 116    | 5   | 20        |
| Lead       | ND            |                  | 40.0        | 39.0       |               | ug/L |   | 97   | 95 - 116    | 7   | 20        |
| Antimony   | ND            |                  | 40.0        | 39.5       |               | ug/L |   | 99   | 80 - 111    | 6   | 20        |
| Selenium   | ND            | F1               | 40.0        | 37.8       |               | ug/L |   | 94   | 90 - 115    | 4   | 20        |
| Thallium   | ND            |                  | 40.0        | 38.4       |               | ug/L |   | 96   | 94 - 115    | 8   | 20        |
| Uranium    | ND            |                  | 40.0        | 39.2       |               | ug/L |   | 98   | 91 - 116    | 9   | 20        |
| Vanadium   | ND            |                  | 40.0        | 37.5       |               | ug/L |   | 94   | 91 - 114    | 7   | 20        |
| Zinc       | ND            | ^+               | 40.0        | 39.4       |               | ug/L |   | 98   | 86 - 120    | 7   | 20        |

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# QC Sample Results

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

Job ID: 280-193462-1

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

Lab Sample ID: 280-193462-1 MSD  
Matrix: Water  
Analysis Batch: 659430

Client Sample ID: BMW-1  
Prep Type: Dissolved  
Prep Batch: 659208

| Analyte   | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|-----------|---------------|------------------|-------------|------------|---------------|------|---|------|-------------|-----|-----------|
| Manganese | ND            |                  | 40.0        | 39.2       |               | ug/L |   | 98   | 89 - 119    | 4   | 20        |

## Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 280-659312/1-B  
Matrix: Water  
Analysis Batch: 659602

Client Sample ID: Method Blank  
Prep Type: Dissolved  
Prep Batch: 659482

| Analyte | MB Result | MB Qualifier | RL   | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|---------|-----------|--------------|------|-------|------|---|----------------|----------------|---------|
| Mercury | ND        |              | 0.20 | 0.061 | ug/L |   | 07/05/24 19:50 | 07/06/24 02:42 | 1       |

Lab Sample ID: LCS 280-659312/2-B  
Matrix: Water  
Analysis Batch: 659602

Client Sample ID: Lab Control Sample  
Prep Type: Dissolved  
Prep Batch: 659482

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------|-------------|------------|---------------|------|---|------|-------------|
| Mercury | 5.00        | 5.11       |               | ug/L |   | 102  | 84 - 120    |

Lab Sample ID: 280-193462-2 MS  
Matrix: Water  
Analysis Batch: 659602

Client Sample ID: PZ-4  
Prep Type: Dissolved  
Prep Batch: 659482

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------|---------------|------------------|-------------|-----------|--------------|------|---|------|-------------|
| Mercury | ND            |                  | 5.00        | 5.12      |              | ug/L |   | 102  | 75 - 125    |

Lab Sample ID: 280-193462-2 MSD  
Matrix: Water  
Analysis Batch: 659602

Client Sample ID: PZ-4  
Prep Type: Dissolved  
Prep Batch: 659482

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------|---------------|------------------|-------------|------------|---------------|------|---|------|-------------|-----|-----------|
| Mercury | ND            |                  | 5.00        | 5.08       |               | ug/L |   | 102  | 75 - 125    | 1   | 20        |

## Method: 300.0 - Anions, Ion Chromatography

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    |

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# QC Sample Results

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

Job ID: 280-193462-1

## 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 |
|--------------|-------------|-------------|----------------|------|---|------|-------------|-----|-----------|
| Nitrate as N | 5.00        | 4.97        |                | mg/L |   | 99   | 90 - 110    | 0   | 10        |
| 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 | RPD | RPD Limit |
|--------------|-------------|------------|---------------|------|---|------|-------------|-----|-----------|
| 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: 280-193462-5 MS

Matrix: Water

Analysis Batch: 658867

Client Sample ID: MW-13

Prep Type: Total/NA

| Analyte      | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------|---------------|------------------|-------------|-----------|--------------|------|---|------|-------------|-----|-----------|
| Nitrate as N | 4.6           |                  | 5.00        | 10.4      | E            | mg/L |   | 115  | 80 - 120    |     |           |
| Nitrite as N | 0.087         | J                | 5.00        | 5.44      |              | mg/L |   | 107  | 80 - 120    |     |           |

Lab Sample ID: 280-193462-5 MSD

Matrix: Water

Analysis Batch: 658867

Client Sample ID: MW-13

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 | 4.6           |                  | 5.00        | 10.1       | E             | mg/L |   | 109  | 80 - 120    | 3   | 20        |
| Nitrite as N | 0.087         | J                | 5.00        | 5.19       |               | mg/L |   | 102  | 80 - 120    | 5   | 20        |

Lab Sample ID: 280-193462-5 DU

Matrix: Water

Analysis Batch: 658867

Client Sample ID: MW-13

Prep Type: Total/NA

| Analyte      | Sample Result | Sample Qualifier | Spike Added | DU Result | DU Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------|---------------|------------------|-------------|-----------|--------------|------|---|------|-------------|-----|-----------|
| Nitrate as N | 4.6           |                  | 5.00        | 4.61      |              | mg/L |   |      |             | 0   | 15        |
| Nitrite as N | 0.087         | J                | 5.00        | 0.0860    | J            | mg/L |   |      |             | 2   | 15        |

Lab Sample ID: MRL 280-659091/3

Matrix: Water

Analysis Batch: 659091

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte  | Spike Added | MRL Result | MRL Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|----------|-------------|------------|---------------|------|---|------|-------------|-----|-----------|
| Chloride | 5.00        | 4.73       |               | mg/L |   | 95   | 50 - 150    |     |           |
| Fluoride | 0.500       | 0.453      | J             | mg/L |   | 91   | 50 - 150    |     |           |
| Sulfate  | 5.00        | 4.99       | J             | mg/L |   | 100  | 50 - 150    |     |           |

Lab Sample ID: MB 280-659121/3-A

Matrix: Water

Analysis Batch: 659091

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 |   |          | 07/03/24 03:51 | 1       |

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# QC Sample Results

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

Job ID: 280-193462-1

## Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 280-659121/3-A

Matrix: Water

Analysis Batch: 659091

Client Sample ID: Method Blank

Prep Type: Dissolved

| Analyte  | MB Result | MB Qualifier | RL   | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|----------|-----------|--------------|------|------|------|---|----------|----------------|---------|
| Fluoride | ND        |              | 0.50 | 0.17 | mg/L |   |          | 07/03/24 03:51 | 1       |
| Sulfate  | ND        |              | 5.0  | 1.0  | mg/L |   |          | 07/03/24 03:51 | 1       |

Lab Sample ID: LCS 280-659121/1-A

Matrix: Water

Analysis Batch: 659091

Client Sample ID: Lab Control Sample

Prep Type: Dissolved

| Analyte  | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|----------|-------------|------------|---------------|------|---|------|-------------|
| Chloride | 100         | 104        |               | mg/L |   | 104  | 90 - 110    |
| Fluoride | 5.00        | 4.96       |               | mg/L |   | 99   | 90 - 110    |
| Sulfate  | 100         | 105        |               | mg/L |   | 105  | 90 - 110    |

Lab Sample ID: LCSD 280-659121/2-A

Matrix: Water

Analysis Batch: 659091

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         | 104         |                | mg/L |   | 104  | 90 - 110    | 0   | 10        |
| Fluoride | 5.00        | 4.93        |                | mg/L |   | 99   | 90 - 110    | 1   | 10        |
| Sulfate  | 100         | 105         |                | mg/L |   | 105  | 90 - 110    | 0   | 10        |

Lab Sample ID: 280-193462-3 MS

Matrix: Water

Analysis Batch: 659091

Client Sample ID: MA1TMW-4

Prep Type: Dissolved

| Analyte  | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|----------|---------------|------------------|-------------|-----------|--------------|------|---|------|-------------|
| Chloride | 20            |                  | 50.0        | 78.6      |              | mg/L |   | 118  | 80 - 120    |
| Fluoride | ND            |                  | 5.00        | 5.80      |              | mg/L |   | 116  | 80 - 120    |
| Sulfate  | 130           |                  | 50.0        | 189       |              | mg/L |   | 117  | 80 - 120    |

Lab Sample ID: 280-193462-3 MSD

Matrix: Water

Analysis Batch: 659091

Client Sample ID: MA1TMW-4

Prep Type: Dissolved

| Analyte  | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|----------|---------------|------------------|-------------|------------|---------------|------|---|------|-------------|-----|-----------|
| Chloride | 20            |                  | 50.0        | 76.7       |               | mg/L |   | 114  | 80 - 120    | 2   | 20        |
| Fluoride | ND            |                  | 5.00        | 5.81       |               | mg/L |   | 116  | 80 - 120    | 0   | 20        |
| Sulfate  | 130           |                  | 50.0        | 187        |               | mg/L |   | 113  | 80 - 120    | 1   | 20        |

Lab Sample ID: 280-193462-3 DU

Matrix: Water

Analysis Batch: 659091

Client Sample ID: MA1TMW-4

Prep Type: Dissolved

| Analyte  | Sample Result | Sample Qualifier | DU Result | DU Qualifier | Unit | D | RPD | RPD Limit |
|----------|---------------|------------------|-----------|--------------|------|---|-----|-----------|
| Chloride | 20            |                  | 19.5      |              | mg/L |   | 0.3 | 15        |
| Fluoride | ND            |                  | ND        |              | mg/L |   | NC  | 15        |
| Sulfate  | 130           |                  | 131       |              | mg/L |   | 0.2 | 15        |

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# QC Sample Results

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

Job ID: 280-193462-1

## Method: 353.2 - Nitrogen, Nitrate-Nitrite

Lab Sample ID: MB 280-659627/57

Matrix: Water

Analysis Batch: 659627

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte              | MB<br>Result | MB<br>Qualifier | RL   | MDL   | Unit | D | Prepared | Analyzed       | Dil Fac |
|----------------------|--------------|-----------------|------|-------|------|---|----------|----------------|---------|
| Nitrate Nitrite as N | ND           |                 | 0.10 | 0.044 | mg/L |   |          | 07/08/24 15:49 | 1       |

Lab Sample ID: LCS 280-659627/55

Matrix: Water

Analysis Batch: 659627

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte              | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit | D | %Rec | %Rec<br>Limits |
|----------------------|----------------|---------------|------------------|------|---|------|----------------|
| Nitrate Nitrite as N | 1.00           | 0.982         |                  | mg/L |   | 98   | 90 - 110       |

Lab Sample ID: LCSD 280-659627/56

Matrix: Water

Analysis Batch: 659627

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Analyte              | Spike<br>Added | LCSD<br>Result | LCSD<br>Qualifier | Unit | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|----------------------|----------------|----------------|-------------------|------|---|------|----------------|-----|--------------|
| Nitrate Nitrite as N | 1.00           | 0.977          |                   | mg/L |   | 98   | 90 - 110       | 1   | 10           |

Lab Sample ID: MB 280-659962/20

Matrix: Water

Analysis Batch: 659962

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte              | MB<br>Result | MB<br>Qualifier | RL   | MDL   | Unit | D | Prepared | Analyzed       | Dil Fac |
|----------------------|--------------|-----------------|------|-------|------|---|----------|----------------|---------|
| Nitrate Nitrite as N | ND           |                 | 0.10 | 0.044 | mg/L |   |          | 07/10/24 12:24 | 1       |

Lab Sample ID: LCS 280-659962/18

Matrix: Water

Analysis Batch: 659962

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte              | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit | D | %Rec | %Rec<br>Limits |
|----------------------|----------------|---------------|------------------|------|---|------|----------------|
| Nitrate Nitrite as N | 1.00           | 0.988         |                  | mg/L |   | 99   | 90 - 110       |

Lab Sample ID: LCSD 280-659962/19

Matrix: Water

Analysis Batch: 659962

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Analyte              | Spike<br>Added | LCSD<br>Result | LCSD<br>Qualifier | Unit | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|----------------------|----------------|----------------|-------------------|------|---|------|----------------|-----|--------------|
| Nitrate Nitrite as N | 1.00           | 0.997          |                   | mg/L |   | 100  | 90 - 110       | 1   | 10           |

## 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<br>Result | MB<br>Qualifier | RL     | MDL    | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------|--------------|-----------------|--------|--------|------|---|----------|----------------|---------|
| Cyanide, Free | ND           |                 | 0.0060 | 0.0050 | mg/L |   |          | 07/10/24 10:53 | 1       |

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# QC Sample Results

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

Job ID: 280-193462-1

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

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: 280-193462-4 MS

Matrix: Water

Analysis Batch: 526709

Client Sample ID: LM-MW-3

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      | 0.0498    |              | mg/L |   | 100  | 82 - 130    |

Lab Sample ID: 280-193462-4 MSD

Matrix: Water

Analysis Batch: 526709

Client Sample ID: LM-MW-3

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      | 0.0504     |               | mg/L |   | 101  | 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    |

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# QC Sample Results

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

Job ID: 280-193462-1

## 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    |

# QC Association Summary

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

Job ID: 280-193462-1

## Metals

### Filtration Batch: 659126

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method     | Prep Batch |
|--------------------|--------------------|-----------|--------|------------|------------|
| 280-193462-1       | BMW-1              | Dissolved | Water  | Filtration |            |
| 280-193462-2       | PZ-4               | Dissolved | Water  | Filtration |            |
| 280-193462-3       | MA1TMW-4           | Dissolved | Water  | Filtration |            |
| 280-193462-4       | LM-MW-3            | Dissolved | Water  | Filtration |            |
| 280-193462-5       | MW-13              | Dissolved | Water  | Filtration |            |
| 280-193462-6       | MW-13A             | Dissolved | Water  | Filtration |            |
| 280-193462-7       | MW-100             | Dissolved | Water  | Filtration |            |
| 280-193462-8       | LM-MW-2            | Dissolved | Water  | Filtration |            |
| MB 280-659126/1-B  | Method Blank       | Dissolved | Water  | Filtration |            |
| LCS 280-659126/2-B | Lab Control Sample | Dissolved | Water  | Filtration |            |
| 280-193462-1 MS    | BMW-1              | Dissolved | Water  | Filtration |            |
| 280-193462-1 MSD   | BMW-1              | Dissolved | Water  | Filtration |            |

### Prep Batch: 659208

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 280-193462-1       | BMW-1              | Dissolved | Water  | 3005A  | 659126     |
| 280-193462-1       | BMW-1              | Dissolved | Water  | 3005A  | 659126     |
| 280-193462-2       | PZ-4               | Dissolved | Water  | 3005A  | 659126     |
| 280-193462-3       | MA1TMW-4           | Dissolved | Water  | 3005A  | 659126     |
| 280-193462-4       | LM-MW-3            | Dissolved | Water  | 3005A  | 659126     |
| 280-193462-5       | MW-13              | Dissolved | Water  | 3005A  | 659126     |
| 280-193462-6       | MW-13A             | Dissolved | Water  | 3005A  | 659126     |
| 280-193462-7       | MW-100             | Dissolved | Water  | 3005A  | 659126     |
| 280-193462-8       | LM-MW-2            | Dissolved | Water  | 3005A  | 659126     |
| MB 280-659126/1-B  | Method Blank       | Dissolved | Water  | 3005A  | 659126     |
| LCS 280-659126/2-B | Lab Control Sample | Dissolved | Water  | 3005A  | 659126     |
| LCS 280-659126/2-D | Lab Control Sample | Dissolved | Water  | 3005A  |            |
| 280-193462-1 MS    | BMW-1              | Dissolved | Water  | 3005A  | 659126     |
| 280-193462-1 MS    | BMW-1              | Dissolved | Water  | 3005A  | 659126     |
| 280-193462-1 MSD   | BMW-1              | Dissolved | Water  | 3005A  | 659126     |
| 280-193462-1 MSD   | BMW-1              | Dissolved | Water  | 3005A  | 659126     |

### Filtration Batch: 659312

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method     | Prep Batch |
|--------------------|--------------------|-----------|--------|------------|------------|
| 280-193462-1       | BMW-1              | Dissolved | Water  | Filtration |            |
| 280-193462-2       | PZ-4               | Dissolved | Water  | Filtration |            |
| 280-193462-3       | MA1TMW-4           | Dissolved | Water  | Filtration |            |
| 280-193462-4       | LM-MW-3            | Dissolved | Water  | Filtration |            |
| 280-193462-5       | MW-13              | Dissolved | Water  | Filtration |            |
| 280-193462-6       | MW-13A             | Dissolved | Water  | Filtration |            |
| 280-193462-7       | MW-100             | Dissolved | Water  | Filtration |            |
| 280-193462-8       | LM-MW-2            | Dissolved | Water  | Filtration |            |
| MB 280-659312/1-B  | Method Blank       | Dissolved | Water  | FILTRATION |            |
| LCS 280-659312/2-B | Lab Control Sample | Dissolved | Water  | FILTRATION |            |
| 280-193462-2 MS    | PZ-4               | Dissolved | Water  | Filtration |            |
| 280-193462-2 MSD   | PZ-4               | Dissolved | Water  | Filtration |            |

### Analysis Batch: 659430

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|--------|------------|
| 280-193462-1  | BMW-1            | Dissolved | Water  | 6020B  | 659208     |
| 280-193462-1  | BMW-1            | Dissolved | Water  | 6020B  | 659208     |

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# QC Association Summary

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

Job ID: 280-193462-1

## Metals (Continued)

### Analysis Batch: 659430 (Continued)

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 280-193462-2       | PZ-4               | Dissolved | Water  | 6020B  | 659208     |
| 280-193462-2       | PZ-4               | Dissolved | Water  | 6020B  | 659208     |
| 280-193462-3       | MA1TMW-4           | Dissolved | Water  | 6020B  | 659208     |
| 280-193462-3       | MA1TMW-4           | Dissolved | Water  | 6020B  | 659208     |
| 280-193462-4       | LM-MW-3            | Dissolved | Water  | 6020B  | 659208     |
| 280-193462-4       | LM-MW-3            | Dissolved | Water  | 6020B  | 659208     |
| 280-193462-5       | MW-13              | Dissolved | Water  | 6020B  | 659208     |
| 280-193462-5       | MW-13              | Dissolved | Water  | 6020B  | 659208     |
| 280-193462-6       | MW-13A             | Dissolved | Water  | 6020B  | 659208     |
| 280-193462-6       | MW-13A             | Dissolved | Water  | 6020B  | 659208     |
| 280-193462-7       | MW-100             | Dissolved | Water  | 6020B  | 659208     |
| 280-193462-7       | MW-100             | Dissolved | Water  | 6020B  | 659208     |
| 280-193462-8       | LM-MW-2            | Dissolved | Water  | 6020B  | 659208     |
| 280-193462-8       | LM-MW-2            | Dissolved | Water  | 6020B  | 659208     |
| MB 280-659126/1-B  | Method Blank       | Dissolved | Water  | 6020B  | 659208     |
| MB 280-659126/1-B  | Method Blank       | Dissolved | Water  | 6020B  | 659208     |
| LCS 280-659126/2-D | Lab Control Sample | Dissolved | Water  | 6020B  | 659208     |
| LCS 280-659126/2-D | Lab Control Sample | Dissolved | Water  | 6020B  | 659208     |
| 280-193462-1 MS    | BMW-1              | Dissolved | Water  | 6020B  | 659208     |
| 280-193462-1 MS    | BMW-1              | Dissolved | Water  | 6020B  | 659208     |
| 280-193462-1 MSD   | BMW-1              | Dissolved | Water  | 6020B  | 659208     |
| 280-193462-1 MSD   | BMW-1              | Dissolved | Water  | 6020B  | 659208     |

### Prep Batch: 659482

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 280-193462-1       | BMW-1              | Dissolved | Water  | 7470A  | 659312     |
| 280-193462-2       | PZ-4               | Dissolved | Water  | 7470A  | 659312     |
| 280-193462-3       | MA1TMW-4           | Dissolved | Water  | 7470A  | 659312     |
| 280-193462-4       | LM-MW-3            | Dissolved | Water  | 7470A  | 659312     |
| 280-193462-5       | MW-13              | Dissolved | Water  | 7470A  | 659312     |
| 280-193462-6       | MW-13A             | Dissolved | Water  | 7470A  | 659312     |
| 280-193462-7       | MW-100             | Dissolved | Water  | 7470A  | 659312     |
| 280-193462-8       | LM-MW-2            | Dissolved | Water  | 7470A  | 659312     |
| MB 280-659312/1-B  | Method Blank       | Dissolved | Water  | 7470A  | 659312     |
| LCS 280-659312/2-B | Lab Control Sample | Dissolved | Water  | 7470A  | 659312     |
| 280-193462-2 MS    | PZ-4               | Dissolved | Water  | 7470A  | 659312     |
| 280-193462-2 MSD   | PZ-4               | Dissolved | Water  | 7470A  | 659312     |

### Analysis Batch: 659533

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 280-193462-1       | BMW-1              | Dissolved | Water  | 6010D  | 659208     |
| 280-193462-2       | PZ-4               | Dissolved | Water  | 6010D  | 659208     |
| 280-193462-3       | MA1TMW-4           | Dissolved | Water  | 6010D  | 659208     |
| 280-193462-4       | LM-MW-3            | Dissolved | Water  | 6010D  | 659208     |
| 280-193462-5       | MW-13              | Dissolved | Water  | 6010D  | 659208     |
| 280-193462-6       | MW-13A             | Dissolved | Water  | 6010D  | 659208     |
| 280-193462-7       | MW-100             | Dissolved | Water  | 6010D  | 659208     |
| 280-193462-8       | LM-MW-2            | Dissolved | Water  | 6010D  | 659208     |
| MB 280-659126/1-B  | Method Blank       | Dissolved | Water  | 6010D  | 659208     |
| LCS 280-659126/2-B | Lab Control Sample | Dissolved | Water  | 6010D  | 659208     |
| 280-193462-1 MS    | BMW-1              | Dissolved | Water  | 6010D  | 659208     |

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# QC Association Summary

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

Job ID: 280-193462-1

## Metals (Continued)

### Analysis Batch: 659533 (Continued)

| Lab Sample ID    | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|------------------|------------------|-----------|--------|--------|------------|
| 280-193462-1 MSD | BMW-1            | Dissolved | Water  | 6010D  | 659208     |

### Analysis Batch: 659602

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 280-193462-1       | BMW-1              | Dissolved | Water  | 7470A  | 659482     |
| 280-193462-2       | PZ-4               | Dissolved | Water  | 7470A  | 659482     |
| 280-193462-3       | MA1TMW-4           | Dissolved | Water  | 7470A  | 659482     |
| 280-193462-4       | LM-MW-3            | Dissolved | Water  | 7470A  | 659482     |
| 280-193462-5       | MW-13              | Dissolved | Water  | 7470A  | 659482     |
| 280-193462-6       | MW-13A             | Dissolved | Water  | 7470A  | 659482     |
| 280-193462-7       | MW-100             | Dissolved | Water  | 7470A  | 659482     |
| 280-193462-8       | LM-MW-2            | Dissolved | Water  | 7470A  | 659482     |
| MB 280-659312/1-B  | Method Blank       | Dissolved | Water  | 7470A  | 659482     |
| LCS 280-659312/2-B | Lab Control Sample | Dissolved | Water  | 7470A  | 659482     |
| 280-193462-2 MS    | PZ-4               | Dissolved | Water  | 7470A  | 659482     |
| 280-193462-2 MSD   | PZ-4               | Dissolved | Water  | 7470A  | 659482     |

### Analysis Batch: 659623

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|--------|------------|
| 280-193462-6  | MW-13A           | Dissolved | Water  | 6020B  | 659208     |
| 280-193462-7  | MW-100           | Dissolved | Water  | 6020B  | 659208     |

## General Chemistry

### Analysis Batch: 526709

| Lab Sample ID     | Client Sample ID   | Prep Type | Matrix | Method   | Prep Batch |
|-------------------|--------------------|-----------|--------|----------|------------|
| 280-193462-1      | BMW-1              | Total/NA  | Water  | OIA-1677 |            |
| 280-193462-2      | PZ-4               | Total/NA  | Water  | OIA-1677 |            |
| 280-193462-3      | MA1TMW-4           | Total/NA  | Water  | OIA-1677 |            |
| 280-193462-4      | LM-MW-3            | Total/NA  | Water  | OIA-1677 |            |
| 280-193462-5      | MW-13              | Total/NA  | Water  | OIA-1677 |            |
| 280-193462-6      | MW-13A             | Total/NA  | Water  | OIA-1677 |            |
| 280-193462-7      | MW-100             | Total/NA  | Water  | OIA-1677 |            |
| 280-193462-8      | LM-MW-2            | 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 |            |
| 280-193462-4 MS   | LM-MW-3            | Total/NA  | Water  | OIA-1677 |            |
| 280-193462-4 MSD  | LM-MW-3            | Total/NA  | Water  | OIA-1677 |            |

### Analysis Batch: 658867

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|--------|------------|
| 280-193462-1  | BMW-1            | Total/NA  | Water  | 300.0  |            |
| 280-193462-2  | PZ-4             | Total/NA  | Water  | 300.0  |            |
| 280-193462-3  | MA1TMW-4         | Total/NA  | Water  | 300.0  |            |
| 280-193462-4  | LM-MW-3          | Total/NA  | Water  | 300.0  |            |
| 280-193462-5  | MW-13            | Total/NA  | Water  | 300.0  |            |
| 280-193462-6  | MW-13A           | Total/NA  | Water  | 300.0  |            |
| 280-193462-7  | MW-100           | Total/NA  | Water  | 300.0  |            |
| 280-193462-8  | LM-MW-2          | Total/NA  | Water  | 300.0  |            |

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# QC Association Summary

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

Job ID: 280-193462-1

## General Chemistry (Continued)

### Analysis Batch: 658867 (Continued)

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|--------|------------|
| MB 280-658867/6   | Method Blank           | Total/NA  | Water  | 300.0  |            |
| LCS 280-658867/4  | Lab Control Sample     | 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  |            |
| 280-193462-5 MS   | MW-13                  | Total/NA  | Water  | 300.0  |            |
| 280-193462-5 MSD  | MW-13                  | Total/NA  | Water  | 300.0  |            |
| 280-193462-5 DU   | MW-13                  | Total/NA  | Water  | 300.0  |            |

### Analysis Batch: 659052

| Lab Sample ID    | Client Sample ID   | Prep Type | Matrix | Method   | Prep Batch |
|------------------|--------------------|-----------|--------|----------|------------|
| 280-193462-1     | BMW-1              | Total/NA  | Water  | SM 2540C |            |
| 280-193462-2     | PZ-4               | Total/NA  | Water  | SM 2540C |            |
| 280-193462-3     | MA1TMW-4           | Total/NA  | Water  | SM 2540C |            |
| 280-193462-4     | LM-MW-3            | Total/NA  | Water  | SM 2540C |            |
| 280-193462-5     | MW-13              | Total/NA  | Water  | SM 2540C |            |
| 280-193462-6     | MW-13A             | Total/NA  | Water  | SM 2540C |            |
| 280-193462-7     | MW-100             | Total/NA  | Water  | SM 2540C |            |
| 280-193462-8     | LM-MW-2            | 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 |            |

### Analysis Batch: 659091

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 280-193462-1        | BMW-1                  | Dissolved | Water  | 300.0  | 659121     |
| 280-193462-2        | PZ-4                   | Dissolved | Water  | 300.0  | 659121     |
| 280-193462-3        | MA1TMW-4               | Dissolved | Water  | 300.0  | 659121     |
| 280-193462-4        | LM-MW-3                | Dissolved | Water  | 300.0  | 659121     |
| 280-193462-4        | LM-MW-3                | Dissolved | Water  | 300.0  | 659121     |
| 280-193462-5        | MW-13                  | Dissolved | Water  | 300.0  | 659121     |
| 280-193462-5        | MW-13                  | Dissolved | Water  | 300.0  | 659121     |
| 280-193462-6        | MW-13A                 | Dissolved | Water  | 300.0  | 659121     |
| 280-193462-6        | MW-13A                 | Dissolved | Water  | 300.0  | 659121     |
| 280-193462-7        | MW-100                 | Dissolved | Water  | 300.0  | 659121     |
| 280-193462-7        | MW-100                 | Dissolved | Water  | 300.0  | 659121     |
| 280-193462-8        | LM-MW-2                | Dissolved | Water  | 300.0  | 659121     |
| 280-193462-8        | LM-MW-2                | Dissolved | Water  | 300.0  | 659121     |
| MB 280-659121/3-A   | Method Blank           | Dissolved | Water  | 300.0  | 659121     |
| LCS 280-659121/1-A  | Lab Control Sample     | Dissolved | Water  | 300.0  | 659121     |
| LCSD 280-659121/2-A | Lab Control Sample Dup | Dissolved | Water  | 300.0  | 659121     |
| MRL 280-659091/3    | Lab Control Sample     | Total/NA  | Water  | 300.0  |            |
| 280-193462-3 MS     | MA1TMW-4               | Dissolved | Water  | 300.0  | 659121     |
| 280-193462-3 MSD    | MA1TMW-4               | Dissolved | Water  | 300.0  | 659121     |
| 280-193462-3 DU     | MA1TMW-4               | Dissolved | Water  | 300.0  | 659121     |

### Filtration Batch: 659121

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method     | Prep Batch |
|---------------|------------------|-----------|--------|------------|------------|
| 280-193462-1  | BMW-1            | Dissolved | Water  | FILTRATION |            |
| 280-193462-2  | PZ-4             | Dissolved | Water  | FILTRATION |            |
| 280-193462-3  | MA1TMW-4         | Dissolved | Water  | FILTRATION |            |
| 280-193462-4  | LM-MW-3          | Dissolved | Water  | FILTRATION |            |
| 280-193462-5  | MW-13            | Dissolved | Water  | FILTRATION |            |

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# QC Association Summary

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

Job ID: 280-193462-1

## General Chemistry (Continued)

### Filtration Batch: 659121 (Continued)

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method     | Prep Batch |
|---------------------|------------------------|-----------|--------|------------|------------|
| 280-193462-6        | MW-13A                 | Dissolved | Water  | FILTRATION |            |
| 280-193462-7        | MW-100                 | Dissolved | Water  | FILTRATION |            |
| 280-193462-8        | LM-MW-2                | Dissolved | Water  | FILTRATION |            |
| MB 280-659121/3-A   | Method Blank           | Dissolved | Water  | FILTRATION |            |
| LCS 280-659121/1-A  | Lab Control Sample     | Dissolved | Water  | FILTRATION |            |
| LCSD 280-659121/2-A | Lab Control Sample Dup | Dissolved | Water  | FILTRATION |            |
| 280-193462-3 MS     | MA1TMW-4               | Dissolved | Water  | FILTRATION |            |
| 280-193462-3 MSD    | MA1TMW-4               | Dissolved | Water  | FILTRATION |            |
| 280-193462-3 DU     | MA1TMW-4               | Dissolved | Water  | FILTRATION |            |

### Analysis Batch: 659627

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 280-193462-1       | BMW-1                  | Total/NA  | Water  | 353.2  |            |
| 280-193462-2       | PZ-4                   | Total/NA  | Water  | 353.2  |            |
| 280-193462-3       | MA1TMW-4               | Total/NA  | Water  | 353.2  |            |
| 280-193462-5       | MW-13                  | Total/NA  | Water  | 353.2  |            |
| 280-193462-6       | MW-13A                 | Total/NA  | Water  | 353.2  |            |
| 280-193462-7       | MW-100                 | Total/NA  | Water  | 353.2  |            |
| 280-193462-8       | LM-MW-2                | Total/NA  | Water  | 353.2  |            |
| MB 280-659627/57   | Method Blank           | Total/NA  | Water  | 353.2  |            |
| LCS 280-659627/55  | Lab Control Sample     | Total/NA  | Water  | 353.2  |            |
| LCSD 280-659627/56 | Lab Control Sample Dup | Total/NA  | Water  | 353.2  |            |

### Analysis Batch: 659962

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 280-193462-4       | LM-MW-3                | Total/NA  | Water  | 353.2  |            |
| MB 280-659962/20   | Method Blank           | Total/NA  | Water  | 353.2  |            |
| LCS 280-659962/18  | Lab Control Sample     | Total/NA  | Water  | 353.2  |            |
| LCSD 280-659962/19 | Lab Control Sample Dup | Total/NA  | Water  | 353.2  |            |

## Rad

### Prep Batch: 669228

| Lab Sample ID       | Client Sample ID   | Prep Type | Matrix | Method      | Prep Batch |
|---------------------|--------------------|-----------|--------|-------------|------------|
| 280-193462-1        | BMW-1              | Total/NA  | Water  | Evaporation |            |
| 280-193462-2        | PZ-4               | Total/NA  | Water  | Evaporation |            |
| 280-193462-3        | MA1TMW-4           | Total/NA  | Water  | Evaporation |            |
| 280-193462-4        | LM-MW-3            | Total/NA  | Water  | Evaporation |            |
| 280-193462-5        | MW-13              | Total/NA  | Water  | Evaporation |            |
| 280-193462-6        | MW-13A             | Total/NA  | Water  | Evaporation |            |
| 280-193462-7        | MW-100             | Total/NA  | Water  | Evaporation |            |
| 280-193462-8        | LM-MW-2            | 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 |            |

# Lab Chronicle

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

Job ID: 280-193462-1

**Client Sample ID: BMW-1**

**Date Collected: 06/28/24 08:00**

**Date Received: 06/29/24 09:43**

**Lab Sample ID: 280-193462-1**

**Matrix: Water**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Dissolved | Filtration | Filtration   |     |            | 50 mL          | 50 mL        | 659126       | 07/02/24 13:35       | AES     | EET DEN |
| Dissolved | Prep       | 3005A        |     |            | 50 mL          | 50 mL        | 659208       | 07/03/24 18:46       | AES     | EET DEN |
| Dissolved | Analysis   | 6010D        |     | 1          |                |              | 659533       | 07/05/24 19:04       | ADL     | EET DEN |
| Dissolved | Filtration | Filtration   |     |            | 50 mL          | 50 mL        | 659126       | 07/02/24 13:35       | AES     | EET DEN |
| Dissolved | Prep       | 3005A        |     |            | 50 mL          | 50 mL        | 659208       | 07/03/24 18:46       | AES     | EET DEN |
| Dissolved | Analysis   | 6020B        |     | 1          |                |              | 659430       | 07/04/24 14:32       | LMT     | EET DEN |
| Dissolved | Filtration | Filtration   |     |            | 50 mL          | 50 mL        | 659126       | 07/02/24 13:35       | AES     | EET DEN |
| Dissolved | Prep       | 3005A        |     |            | 50 mL          | 50 mL        | 659208       | 07/03/24 18:46       | AES     | EET DEN |
| Dissolved | Analysis   | 6020B        |     | 1          |                |              | 659430       | 07/04/24 18:05       | LMT     | EET DEN |
| Dissolved | Filtration | Filtration   |     |            | 30 mL          | 30 mL        | 659312       | 07/03/24 17:39       | CAF     | EET DEN |
| Dissolved | Prep       | 7470A        |     |            | 30 mL          | 50 mL        | 659482       | 07/05/24 19:50       | CAF     | EET DEN |
| Dissolved | Analysis   | 7470A        |     | 1          |                |              | 659602       | 07/06/24 02:47       | CAF     | EET DEN |
| Dissolved | Filtration | FILTRATION   |     |            | 10 mL          | 10 mL        | 659121       | 07/02/24 14:51       | IRC     | EET DEN |
| Dissolved | Analysis   | 300.0        |     | 1          | 10 mL          | 10 mL        | 659091       | 07/03/24 04:02       | EJS     | EET DEN |
| Total/NA  | Analysis   | 300.0        |     | 1          | 10 mL          | 10 mL        | 658867       | 06/29/24 23:54       | IRC     | EET DEN |
| Total/NA  | Analysis   | 353.2        |     | 1          | 100 mL         | 100 mL       | 659627       | 07/08/24 16:31       | BCR     | EET DEN |
| Total/NA  | Analysis   | OIA-1677     |     | 1          |                |              | 526709       | 07/10/24 11:11       | UJE2    | ELLE    |
| Total/NA  | Analysis   | SM 2540C     |     | 1          | 100 mL         | 100 mL       | 659052       | 07/02/24 09:19       | BRD     | EET DEN |
| Total/NA  | Prep       | Evaporation  |     |            | 97.99 mL       | 1.0 g        | 669228       | 07/03/24 08:55       | KAC     | EET SL  |
| Total/NA  | Analysis   | 900.0        |     | 1          |                |              | 670170       | 07/11/24 15:05       | SWS     | EET SL  |

**Client Sample ID: PZ-4**

**Date Collected: 06/28/24 09:00**

**Date Received: 06/29/24 09:43**

**Lab Sample ID: 280-193462-2**

**Matrix: Water**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Dissolved | Filtration | Filtration   |     |            | 50 mL          | 50 mL        | 659126       | 07/02/24 13:35       | AES     | EET DEN |
| Dissolved | Prep       | 3005A        |     |            | 50 mL          | 50 mL        | 659208       | 07/03/24 18:46       | AES     | EET DEN |
| Dissolved | Analysis   | 6010D        |     | 1          |                |              | 659533       | 07/05/24 19:36       | ADL     | EET DEN |
| Dissolved | Filtration | Filtration   |     |            | 50 mL          | 50 mL        | 659126       | 07/02/24 13:35       | AES     | EET DEN |
| Dissolved | Prep       | 3005A        |     |            | 50 mL          | 50 mL        | 659208       | 07/03/24 18:46       | AES     | EET DEN |
| Dissolved | Analysis   | 6020B        |     | 1          |                |              | 659430       | 07/04/24 14:43       | LMT     | EET DEN |
| Dissolved | Filtration | Filtration   |     |            | 50 mL          | 50 mL        | 659126       | 07/02/24 13:35       | AES     | EET DEN |
| Dissolved | Prep       | 3005A        |     |            | 50 mL          | 50 mL        | 659208       | 07/03/24 18:46       | AES     | EET DEN |
| Dissolved | Analysis   | 6020B        |     | 1          |                |              | 659430       | 07/04/24 18:16       | LMT     | EET DEN |
| Dissolved | Filtration | Filtration   |     |            | 30 mL          | 30 mL        | 659312       | 07/03/24 17:39       | CAF     | EET DEN |
| Dissolved | Prep       | 7470A        |     |            | 30 mL          | 50 mL        | 659482       | 07/05/24 19:50       | CAF     | EET DEN |
| Dissolved | Analysis   | 7470A        |     | 1          |                |              | 659602       | 07/06/24 02:49       | CAF     | EET DEN |
| Dissolved | Filtration | FILTRATION   |     |            | 10 mL          | 10 mL        | 659121       | 07/02/24 14:51       | IRC     | EET DEN |
| Dissolved | Analysis   | 300.0        |     | 1          | 10 mL          | 10 mL        | 659091       | 07/03/24 04:12       | EJS     | EET DEN |
| Total/NA  | Analysis   | 300.0        |     | 1          | 10 mL          | 10 mL        | 658867       | 06/30/24 01:36       | IRC     | EET DEN |
| Total/NA  | Analysis   | 353.2        |     | 2          | 100 mL         | 100 mL       | 659627       | 07/08/24 16:33       | BCR     | EET DEN |
| Total/NA  | Analysis   | OIA-1677     |     | 1          |                |              | 526709       | 07/10/24 11:08       | UJE2    | ELLE    |
| Total/NA  | Analysis   | SM 2540C     |     | 1          | 100 mL         | 100 mL       | 659052       | 07/02/24 09:19       | BRD     | EET DEN |

Eurofins Denver

# Lab Chronicle

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

Job ID: 280-193462-1

**Client Sample ID: PZ-4**

**Lab Sample ID: 280-193462-2**

**Date Collected: 06/28/24 09:00**

**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    |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|--------|
| Total/NA  | Prep       | Evaporation  |     |            | 63.00 mL       | 1.0 g        | 669228       | 07/03/24 08:55       | KAC     | EET SL |
| Total/NA  | Analysis   | 900.0        |     | 1          |                |              | 670170       | 07/11/24 15:05       | SWS     | EET SL |

**Client Sample ID: MA1TMW-4**

**Lab Sample ID: 280-193462-3**

**Date Collected: 06/28/24 10:00**

**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        | 659126       | 07/02/24 13:35       | AES     | EET DEN |
| Dissolved | Prep       | 3005A        |     |            | 50 mL          | 50 mL        | 659208       | 07/03/24 18:46       | AES     | EET DEN |
| Dissolved | Analysis   | 6010D        |     | 1          |                |              | 659533       | 07/05/24 19:40       | ADL     | EET DEN |
| Dissolved | Filtration | Filtration   |     |            | 50 mL          | 50 mL        | 659126       | 07/02/24 13:35       | AES     | EET DEN |
| Dissolved | Prep       | 3005A        |     |            | 50 mL          | 50 mL        | 659208       | 07/03/24 18:46       | AES     | EET DEN |
| Dissolved | Analysis   | 6020B        |     | 1          |                |              | 659430       | 07/04/24 14:50       | LMT     | EET DEN |
| Dissolved | Filtration | Filtration   |     |            | 50 mL          | 50 mL        | 659126       | 07/02/24 13:35       | AES     | EET DEN |
| Dissolved | Prep       | 3005A        |     |            | 50 mL          | 50 mL        | 659208       | 07/03/24 18:46       | AES     | EET DEN |
| Dissolved | Analysis   | 6020B        |     | 1          |                |              | 659430       | 07/04/24 18:18       | LMT     | EET DEN |
| Dissolved | Filtration | Filtration   |     |            | 30 mL          | 30 mL        | 659312       | 07/03/24 17:39       | CAF     | EET DEN |
| Dissolved | Prep       | 7470A        |     |            | 30 mL          | 50 mL        | 659482       | 07/05/24 19:50       | CAF     | EET DEN |
| Dissolved | Analysis   | 7470A        |     | 1          |                |              | 659602       | 07/06/24 03:02       | CAF     | EET DEN |
| Dissolved | Filtration | FILTRATION   |     |            | 10 mL          | 10 mL        | 659121       | 07/02/24 14:51       | IRC     | EET DEN |
| Dissolved | Analysis   | 300.0        |     | 1          | 10 mL          | 10 mL        | 659091       | 07/03/24 04:23       | EJS     | EET DEN |
| Total/NA  | Analysis   | 300.0        |     | 1          | 10 mL          | 10 mL        | 658867       | 06/30/24 01:53       | IRC     | EET DEN |
| Total/NA  | Analysis   | 353.2        |     | 1          | 100 mL         | 100 mL       | 659627       | 07/08/24 16:35       | BCR     | EET DEN |
| Total/NA  | Analysis   | OIA-1677     |     | 1          |                |              | 526709       | 07/10/24 11:06       | UJE2    | ELLE    |
| Total/NA  | Analysis   | SM 2540C     |     | 1          | 100 mL         | 100 mL       | 659052       | 07/02/24 09:19       | BRD     | EET DEN |
| Total/NA  | Prep       | Evaporation  |     |            | 182.02 mL      | 1.0 g        | 669228       | 07/03/24 08:55       | KAC     | EET SL  |
| Total/NA  | Analysis   | 900.0        |     | 1          |                |              | 670170       | 07/11/24 15:05       | SWS     | EET SL  |

**Client Sample ID: LM-MW-3**

**Lab Sample ID: 280-193462-4**

**Date Collected: 06/28/24 11:00**

**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        | 659126       | 07/02/24 15:19       | AES     | EET DEN |
| Dissolved | Prep       | 3005A        |     |            | 50 mL          | 50 mL        | 659208       | 07/03/24 18:46       | AES     | EET DEN |
| Dissolved | Analysis   | 6010D        |     | 1          |                |              | 659533       | 07/05/24 19:44       | ADL     | EET DEN |
| Dissolved | Filtration | Filtration   |     |            | 50 mL          | 50 mL        | 659126       | 07/02/24 15:19       | AES     | EET DEN |
| Dissolved | Prep       | 3005A        |     |            | 50 mL          | 50 mL        | 659208       | 07/03/24 18:46       | AES     | EET DEN |
| Dissolved | Analysis   | 6020B        |     | 1          |                |              | 659430       | 07/04/24 14:52       | LMT     | EET DEN |
| Dissolved | Filtration | Filtration   |     |            | 50 mL          | 50 mL        | 659126       | 07/02/24 15:19       | AES     | EET DEN |
| Dissolved | Prep       | 3005A        |     |            | 50 mL          | 50 mL        | 659208       | 07/03/24 18:46       | AES     | EET DEN |
| Dissolved | Analysis   | 6020B        |     | 1          |                |              | 659430       | 07/04/24 18:21       | LMT     | EET DEN |

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# Lab Chronicle

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

Job ID: 280-193462-1

**Client Sample ID: LM-MW-3**

**Lab Sample ID: 280-193462-4**

**Date Collected: 06/28/24 11:00**

**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   |     |            | 30 mL          | 30 mL        | 659312       | 07/03/24 17:39       | CAF     | EET DEN |
| Dissolved | Prep       | 7470A        |     |            | 30 mL          | 50 mL        | 659482       | 07/05/24 19:50       | CAF     | EET DEN |
| Dissolved | Analysis   | 7470A        |     | 1          |                |              | 659602       | 07/06/24 03:05       | CAF     | EET DEN |
| Dissolved | Filtration | FILTRATION   |     |            | 10 mL          | 10 mL        | 659121       | 07/02/24 14:51       | IRC     | EET DEN |
| Dissolved | Analysis   | 300.0        |     | 1          | 10 mL          | 10 mL        | 659091       | 07/03/24 05:07       | EJS     | EET DEN |
| Dissolved | Filtration | FILTRATION   |     |            | 10 mL          | 10 mL        | 659121       | 07/02/24 14:51       | IRC     | EET DEN |
| Dissolved | Analysis   | 300.0        |     | 5          | 10 mL          | 10 mL        | 659091       | 07/03/24 05:18       | EJS     | EET DEN |
| Total/NA  | Analysis   | 300.0        |     | 1          | 10 mL          | 10 mL        | 658867       | 06/30/24 02:44       | IRC     | EET DEN |
| Total/NA  | Analysis   | 353.2        |     | 2          | 100 mL         | 100 mL       | 659962       | 07/10/24 12:40       | BCR     | EET DEN |
| Total/NA  | Analysis   | OIA-1677     |     | 1          |                |              | 526709       | 07/10/24 10:56       | UJE2    | ELLE    |
| Total/NA  | Analysis   | SM 2540C     |     | 1          | 100 mL         | 100 mL       | 659052       | 07/02/24 09:19       | BRD     | EET DEN |
| Total/NA  | Prep       | Evaporation  |     |            | 75.99 mL       | 1.0 g        | 669228       | 07/03/24 08:55       | KAC     | EET SL  |
| Total/NA  | Analysis   | 900.0        |     | 1          |                |              | 670170       | 07/11/24 15:05       | SWS     | EET SL  |

**Client Sample ID: MW-13**

**Lab Sample ID: 280-193462-5**

**Date Collected: 06/28/24 12:15**

**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        | 659126       | 07/02/24 15:19       | AES     | EET DEN |
| Dissolved | Prep       | 3005A        |     |            | 50 mL          | 50 mL        | 659208       | 07/03/24 18:46       | AES     | EET DEN |
| Dissolved | Analysis   | 6010D        |     | 1          |                |              | 659533       | 07/05/24 19:47       | ADL     | EET DEN |
| Dissolved | Filtration | Filtration   |     |            | 50 mL          | 50 mL        | 659126       | 07/02/24 15:19       | AES     | EET DEN |
| Dissolved | Prep       | 3005A        |     |            | 50 mL          | 50 mL        | 659208       | 07/03/24 18:46       | AES     | EET DEN |
| Dissolved | Analysis   | 6020B        |     | 1          |                |              | 659430       | 07/04/24 14:55       | LMT     | EET DEN |
| Dissolved | Filtration | Filtration   |     |            | 50 mL          | 50 mL        | 659126       | 07/02/24 15:19       | AES     | EET DEN |
| Dissolved | Prep       | 3005A        |     |            | 50 mL          | 50 mL        | 659208       | 07/03/24 18:46       | AES     | EET DEN |
| Dissolved | Analysis   | 6020B        |     | 1          |                |              | 659430       | 07/04/24 18:27       | LMT     | EET DEN |
| Dissolved | Filtration | Filtration   |     |            | 30 mL          | 30 mL        | 659312       | 07/03/24 17:39       | CAF     | EET DEN |
| Dissolved | Prep       | 7470A        |     |            | 30 mL          | 50 mL        | 659482       | 07/05/24 19:50       | CAF     | EET DEN |
| Dissolved | Analysis   | 7470A        |     | 1          |                |              | 659602       | 07/06/24 03:07       | CAF     | EET DEN |
| Dissolved | Filtration | FILTRATION   |     |            | 10 mL          | 10 mL        | 659121       | 07/02/24 14:51       | IRC     | EET DEN |
| Dissolved | Analysis   | 300.0        |     | 1          | 10 mL          | 10 mL        | 659091       | 07/03/24 05:29       | EJS     | EET DEN |
| Dissolved | Filtration | FILTRATION   |     |            | 10 mL          | 10 mL        | 659121       | 07/02/24 14:51       | IRC     | EET DEN |
| Dissolved | Analysis   | 300.0        |     | 5          | 10 mL          | 10 mL        | 659091       | 07/03/24 05:40       | EJS     | EET DEN |
| Total/NA  | Analysis   | 300.0        |     | 1          | 10 mL          | 10 mL        | 658867       | 06/30/24 04:27       | IRC     | EET DEN |
| Total/NA  | Analysis   | 353.2        |     | 2          | 100 mL         | 100 mL       | 659627       | 07/08/24 16:39       | BCR     | EET DEN |
| Total/NA  | Analysis   | OIA-1677     |     | 1          |                |              | 526709       | 07/10/24 11:13       | UJE2    | ELLE    |
| Total/NA  | Analysis   | SM 2540C     |     | 1          | 100 mL         | 100 mL       | 659052       | 07/02/24 09:19       | BRD     | EET DEN |
| Total/NA  | Prep       | Evaporation  |     |            | 87.99 mL       | 1.0 g        | 669228       | 07/03/24 08:55       | KAC     | EET SL  |
| Total/NA  | Analysis   | 900.0        |     | 1          |                |              | 670163       | 07/11/24 18:45       | SCB     | EET SL  |

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# Lab Chronicle

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

Job ID: 280-193462-1

**Client Sample ID: MW-13A**

**Lab Sample ID: 280-193462-6**

**Date Collected: 06/28/24 13:00**

**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        | 659126       | 07/02/24 15:19       | AES     | EET DEN |
| Dissolved | Prep       | 3005A        |     |            | 50 mL          | 50 mL        | 659208       | 07/03/24 18:46       | AES     | EET DEN |
| Dissolved | Analysis   | 6010D        |     | 1          |                |              | 659533       | 07/05/24 19:51       | ADL     | EET DEN |
| Dissolved | Filtration | Filtration   |     |            | 50 mL          | 50 mL        | 659126       | 07/02/24 15:19       | AES     | EET DEN |
| Dissolved | Prep       | 3005A        |     |            | 50 mL          | 50 mL        | 659208       | 07/03/24 18:46       | AES     | EET DEN |
| Dissolved | Analysis   | 6020B        |     | 1          |                |              | 659430       | 07/04/24 14:57       | LMT     | EET DEN |
| Dissolved | Filtration | Filtration   |     |            | 50 mL          | 50 mL        | 659126       | 07/02/24 15:19       | AES     | EET DEN |
| Dissolved | Prep       | 3005A        |     |            | 50 mL          | 50 mL        | 659208       | 07/03/24 18:46       | AES     | EET DEN |
| Dissolved | Analysis   | 6020B        |     | 1          |                |              | 659430       | 07/04/24 18:30       | LMT     | EET DEN |
| Dissolved | Filtration | Filtration   |     |            | 50 mL          | 50 mL        | 659126       | 07/02/24 15:19       | AES     | EET DEN |
| Dissolved | Prep       | 3005A        |     |            | 50 mL          | 50 mL        | 659208       | 07/03/24 18:46       | AES     | EET DEN |
| Dissolved | Analysis   | 6020B        |     | 50         |                |              | 659623       | 07/08/24 14:31       | LMT     | EET DEN |
| Dissolved | Filtration | Filtration   |     |            | 30 mL          | 30 mL        | 659312       | 07/03/24 17:39       | CAF     | EET DEN |
| Dissolved | Prep       | 7470A        |     |            | 30 mL          | 50 mL        | 659482       | 07/05/24 19:50       | CAF     | EET DEN |
| Dissolved | Analysis   | 7470A        |     | 1          |                |              | 659602       | 07/06/24 03:10       | CAF     | EET DEN |
| Dissolved | Filtration | FILTRATION   |     |            | 10 mL          | 10 mL        | 659121       | 07/02/24 14:51       | IRC     | EET DEN |
| Dissolved | Analysis   | 300.0        |     | 1          | 10 mL          | 10 mL        | 659091       | 07/03/24 05:51       | EJS     | EET DEN |
| Dissolved | Filtration | FILTRATION   |     |            | 10 mL          | 10 mL        | 659121       | 07/02/24 14:51       | IRC     | EET DEN |
| Dissolved | Analysis   | 300.0        |     | 5          | 10 mL          | 10 mL        | 659091       | 07/03/24 06:02       | EJS     | EET DEN |
| Total/NA  | Analysis   | 300.0        |     | 1          | 10 mL          | 10 mL        | 658867       | 06/30/24 05:52       | IRC     | EET DEN |
| Total/NA  | Analysis   | 353.2        |     | 2          | 100 mL         | 100 mL       | 659627       | 07/08/24 16:41       | BCR     | EET DEN |
| Total/NA  | Analysis   | OIA-1677     |     | 1          |                |              | 526709       | 07/10/24 11:23       | UJE2    | ELLE    |
| Total/NA  | Analysis   | SM 2540C     |     | 1          | 100 mL         | 100 mL       | 659052       | 07/02/24 09:19       | BRD     | EET DEN |
| Total/NA  | Prep       | Evaporation  |     |            | 60.02 mL       | 1.0 g        | 669228       | 07/03/24 08:55       | KAC     | EET SL  |
| Total/NA  | Analysis   | 900.0        |     | 1          |                |              | 670163       | 07/11/24 18:45       | SCB     | EET SL  |

**Client Sample ID: MW-100**

**Lab Sample ID: 280-193462-7**

**Date Collected: 06/28/24 13:15**

**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        | 659126       | 07/02/24 15:19       | AES     | EET DEN |
| Dissolved | Prep       | 3005A        |     |            | 50 mL          | 50 mL        | 659208       | 07/03/24 18:46       | AES     | EET DEN |
| Dissolved | Analysis   | 6010D        |     | 1          |                |              | 659533       | 07/05/24 19:56       | ADL     | EET DEN |
| Dissolved | Filtration | Filtration   |     |            | 50 mL          | 50 mL        | 659126       | 07/02/24 15:19       | AES     | EET DEN |
| Dissolved | Prep       | 3005A        |     |            | 50 mL          | 50 mL        | 659208       | 07/03/24 18:46       | AES     | EET DEN |
| Dissolved | Analysis   | 6020B        |     | 1          |                |              | 659430       | 07/04/24 14:59       | LMT     | EET DEN |
| Dissolved | Filtration | Filtration   |     |            | 50 mL          | 50 mL        | 659126       | 07/02/24 15:19       | AES     | EET DEN |
| Dissolved | Prep       | 3005A        |     |            | 50 mL          | 50 mL        | 659208       | 07/03/24 18:46       | AES     | EET DEN |
| Dissolved | Analysis   | 6020B        |     | 1          |                |              | 659430       | 07/04/24 18:32       | LMT     | EET DEN |
| Dissolved | Filtration | Filtration   |     |            | 50 mL          | 50 mL        | 659126       | 07/02/24 15:19       | AES     | EET DEN |
| Dissolved | Prep       | 3005A        |     |            | 50 mL          | 50 mL        | 659208       | 07/03/24 18:46       | AES     | EET DEN |
| Dissolved | Analysis   | 6020B        |     | 50         |                |              | 659623       | 07/08/24 14:33       | LMT     | EET DEN |

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# Lab Chronicle

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

Job ID: 280-193462-1

**Client Sample ID: MW-100**

**Date Collected: 06/28/24 13:15**

**Date Received: 06/29/24 09:43**

**Lab Sample ID: 280-193462-7**

**Matrix: Water**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Dissolved | Filtration | Filtration   |     |            | 30 mL          | 30 mL        | 659312       | 07/03/24 17:39       | CAF     | EET DEN |
| Dissolved | Prep       | 7470A        |     |            | 30 mL          | 50 mL        | 659482       | 07/05/24 19:50       | CAF     | EET DEN |
| Dissolved | Analysis   | 7470A        |     | 1          |                |              | 659602       | 07/06/24 03:12       | CAF     | EET DEN |
| Dissolved | Filtration | FILTRATION   |     |            | 10 mL          | 10 mL        | 659121       | 07/02/24 14:51       | IRC     | EET DEN |
| Dissolved | Analysis   | 300.0        |     | 1          | 10 mL          | 10 mL        | 659091       | 07/03/24 06:13       | EJS     | EET DEN |
| Dissolved | Filtration | FILTRATION   |     |            | 10 mL          | 10 mL        | 659121       | 07/02/24 14:51       | IRC     | EET DEN |
| Dissolved | Analysis   | 300.0        |     | 5          | 10 mL          | 10 mL        | 659091       | 07/03/24 06:46       | EJS     | EET DEN |
| Total/NA  | Analysis   | 300.0        |     | 1          | 10 mL          | 10 mL        | 658867       | 06/30/24 06:26       | IRC     | EET DEN |
| Total/NA  | Analysis   | 353.2        |     | 2          | 100 mL         | 100 mL       | 659627       | 07/08/24 16:43       | BCR     | EET DEN |
| Total/NA  | Analysis   | OIA-1677     |     | 1          |                |              | 526709       | 07/10/24 11:03       | UJE2    | ELLE    |
| Total/NA  | Analysis   | SM 2540C     |     | 1          | 100 mL         | 100 mL       | 659052       | 07/02/24 09:19       | BRD     | EET DEN |
| Total/NA  | Prep       | Evaporation  |     |            | 100.99 mL      | 1.0 g        | 669228       | 07/03/24 08:55       | KAC     | EET SL  |
| Total/NA  | Analysis   | 900.0        |     | 1          |                |              | 670163       | 07/11/24 18:45       | SCB     | EET SL  |

**Client Sample ID: LM-MW-2**

**Date Collected: 06/28/24 14:00**

**Date Received: 06/29/24 09:43**

**Lab Sample ID: 280-193462-8**

**Matrix: Water**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Dissolved | Filtration | Filtration   |     |            | 50 mL          | 50 mL        | 659126       | 07/02/24 15:19       | AES     | EET DEN |
| Dissolved | Prep       | 3005A        |     |            | 50 mL          | 50 mL        | 659208       | 07/03/24 18:46       | AES     | EET DEN |
| Dissolved | Analysis   | 6010D        |     | 1          |                |              | 659533       | 07/05/24 20:11       | ADL     | EET DEN |
| Dissolved | Filtration | Filtration   |     |            | 50 mL          | 50 mL        | 659126       | 07/02/24 15:19       | AES     | EET DEN |
| Dissolved | Prep       | 3005A        |     |            | 50 mL          | 50 mL        | 659208       | 07/03/24 18:46       | AES     | EET DEN |
| Dissolved | Analysis   | 6020B        |     | 1          |                |              | 659430       | 07/04/24 15:01       | LMT     | EET DEN |
| Dissolved | Filtration | Filtration   |     |            | 50 mL          | 50 mL        | 659126       | 07/02/24 15:19       | AES     | EET DEN |
| Dissolved | Prep       | 3005A        |     |            | 50 mL          | 50 mL        | 659208       | 07/03/24 18:46       | AES     | EET DEN |
| Dissolved | Analysis   | 6020B        |     | 1          |                |              | 659430       | 07/04/24 18:34       | LMT     | EET DEN |
| Dissolved | Filtration | Filtration   |     |            | 30 mL          | 30 mL        | 659312       | 07/03/24 17:39       | CAF     | EET DEN |
| Dissolved | Prep       | 7470A        |     |            | 30 mL          | 50 mL        | 659482       | 07/05/24 19:50       | CAF     | EET DEN |
| Dissolved | Analysis   | 7470A        |     | 1          |                |              | 659602       | 07/06/24 03:15       | CAF     | EET DEN |
| Dissolved | Filtration | FILTRATION   |     |            | 10 mL          | 10 mL        | 659121       | 07/02/24 14:51       | IRC     | EET DEN |
| Dissolved | Analysis   | 300.0        |     | 1          | 10 mL          | 10 mL        | 659091       | 07/03/24 06:57       | EJS     | EET DEN |
| Dissolved | Filtration | FILTRATION   |     |            | 10 mL          | 10 mL        | 659121       | 07/02/24 14:51       | IRC     | EET DEN |
| Dissolved | Analysis   | 300.0        |     | 5          | 10 mL          | 10 mL        | 659091       | 07/03/24 07:08       | EJS     | EET DEN |
| Total/NA  | Analysis   | 300.0        |     | 1          | 10 mL          | 10 mL        | 658867       | 06/30/24 07:17       | IRC     | EET DEN |
| Total/NA  | Analysis   | 353.2        |     | 1          | 100 mL         | 100 mL       | 659627       | 07/08/24 16:45       | BCR     | EET DEN |
| Total/NA  | Analysis   | OIA-1677     |     | 1          |                |              | 526709       | 07/10/24 11:53       | UJE2    | ELLE    |
| Total/NA  | Analysis   | SM 2540C     |     | 1          | 100 mL         | 100 mL       | 659052       | 07/02/24 09:19       | BRD     | EET DEN |
| Total/NA  | Prep       | Evaporation  |     |            | 51.02 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: 280-193462-1

**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

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# Accreditation/Certification Summary

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

Job ID: 280-193462-1

## 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                   | 07-31-24        |
| 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: 280-193462-1

## 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: 280-193462-1

## 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        |
| 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        |
| 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        |
| 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

**Eurofins Denver**  
4955 Yarrow Street  
Arvada, CO 80002  
Phone (303) 736-0100 Phone (303) 431-7171

## Chain of Custody Record

[illegible]



Eurofins Denver

4955 Yarrow Street

Arvada, CO 80002

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

## Chain of Custody Record



## Environment Testing

[illegible]



## Eurofins Denver

4955 Yarrow Street

Arvada, CO 80002

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

## Chain of Custody Record



Environment Testing

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |                                  |                    |                                                          |                                                                                 |                                                                                                                                      |                                   |                                 |                                   |                                   |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------|--------------------|----------------------------------------------------------|---------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|---------------------------------|-----------------------------------|-----------------------------------|--|
| <b>Client Information (Sub Contract Lab)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  | Sampler:                         |                    | Lab PM:<br>Ryan, Nicole C                                |                                                                                 | Carrier Tracking No(s):                                                                                                              |                                   | COC No:<br>280-708236.1         |                                   |                                   |  |
| Client Contact:<br>Shipping/Receiving                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  | Phone:                           |                    | E-Mail:<br>Nicole.Ryan@ET.eurofinsus.com                 |                                                                                 | State of Origin:<br>Colorado                                                                                                         |                                   | Page:<br>Page 1 of 1            |                                   |                                   |  |
| Company:<br>Eurofins Lancaster Laboratories Environm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |                                  |                    | Accreditations Required (See note):                      |                                                                                 |                                                                                                                                      |                                   | Job #:<br>280-193462-1          |                                   |                                   |  |
| Address:<br>2425 New Holland Pike,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  | Due Date Requested:<br>7/15/2024 |                    | <b>Analysis Requested</b>                                |                                                                                 |                                                                                                                                      |                                   |                                 |                                   | Preservation Codes:<br>-          |  |
| City:<br>Lancaster                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  | TAT Requested (days):            |                    |                                                          |                                                                                 |                                                                                                                                      |                                   |                                 |                                   |                                   |  |
| State, Zip:<br>PA, 17601                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |                                  |                    |                                                          |                                                                                 |                                                                                                                                      |                                   |                                 |                                   |                                   |  |
| Phone:<br>717-656-2300(Tel)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  | PO #                             |                    |                                                          |                                                                                 |                                                                                                                                      |                                   |                                 |                                   |                                   |  |
| Email:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  | WO #                             |                    |                                                          |                                                                                 |                                                                                                                                      |                                   |                                 |                                   |                                   |  |
| Project Name:<br>Leadville Mill, CO                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  | Project #:<br>28026884           |                    |                                                          |                                                                                 |                                                                                                                                      |                                   |                                 |                                   | Other:                            |  |
| Site:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  | SSOW#                            |                    |                                                          |                                                                                 |                                                                                                                                      |                                   |                                 |                                   |                                   |  |
| <b>Sample Identification - Client ID (Lab ID)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  | <b>Sample Date</b>               | <b>Sample Time</b> | <b>Sample Type<br/>(C=Comp,<br/>G=grab)</b>              | <b>Matrix<br/>(W=water,<br/>S=solid,<br/>O=waste/oil,<br/>BT=Tissue, A=Air)</b> | <b>Field Filtered Sample (Yes or No)</b>                                                                                             | <b>Perform MS/MSD (Yes or No)</b> | <b>1677_Freq</b>                | <b>Total Number of containers</b> | <b>Special Instructions/Note:</b> |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |                                  |                    |                                                          |                                                                                 |                                                                                                                                      |                                   |                                 |                                   |                                   |  |
| BMW-1 (280-193462-1)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  | 6/28/24                          | 08:00<br>Mountain  |                                                          | Water                                                                           |                                                                                                                                      | X                                 |                                 |                                   | 1                                 |  |
| PZ-4 (280-193462-2)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  | 6/28/24                          | 09:00<br>Mountain  |                                                          | Water                                                                           |                                                                                                                                      | X                                 |                                 |                                   | 1                                 |  |
| MA1TMW-4 (280-193462-3)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  | 6/28/24                          | 10:00<br>Mountain  |                                                          | Water                                                                           |                                                                                                                                      | X                                 |                                 |                                   | 1                                 |  |
| LM-MW-3 (280-193462-4)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  | 6/28/24                          | 11:00<br>Mountain  |                                                          | Water                                                                           |                                                                                                                                      | X                                 |                                 |                                   | 1                                 |  |
| MW-13 (280-193462-5)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  | 6/28/24                          | 12:15<br>Mountain  |                                                          | Water                                                                           |                                                                                                                                      | X                                 |                                 |                                   | 1                                 |  |
| MW-13A (280-193462-6)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  | 6/28/24                          | 13:00<br>Mountain  |                                                          | Water                                                                           |                                                                                                                                      | X                                 |                                 |                                   | 1                                 |  |
| MW-100 (280-193462-7)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  | 6/28/24                          | 13:15<br>Mountain  |                                                          | Water                                                                           |                                                                                                                                      | X                                 |                                 |                                   | 1                                 |  |
| LM-MW-2 (280-193462-8)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  | 6/28/24                          | 14:00<br>Mountain  |                                                          | Water                                                                           |                                                                                                                                      | X                                 |                                 |                                   | 1                                 |  |
| Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins TestAmerica. |  |                                  |                    |                                                          |                                                                                 |                                                                                                                                      |                                   |                                 |                                   |                                   |  |
| <b>Possible Hazard Identification</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |                                  |                    |                                                          |                                                                                 | <b>Sample Disposal ( A fee may be assessed if samples are retained longer than 1 month)</b>                                          |                                   |                                 |                                   |                                   |  |
| Unconfirmed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |                                  |                    |                                                          |                                                                                 | <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months |                                   |                                 |                                   |                                   |  |
| Deliverable Requested: I, II, III, IV, Other (specify)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |                                  |                    |                                                          |                                                                                 | Primary Deliverable Rank: 2                                                                                                          |                                   |                                 |                                   |                                   |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |                                  |                    |                                                          |                                                                                 | Special Instructions/QC Requirements:                                                                                                |                                   |                                 |                                   |                                   |  |
| Empty Kit Relinquished by:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |                                  |                    | Date:                                                    |                                                                                 | Time:                                                                                                                                |                                   | Method of Shipment:             |                                   |                                   |  |
| Relinquished by: <i>D. J. [Signature]</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |                                  |                    | Date/Time: 7/1/24 14:40                                  |                                                                                 | Company: EET DEN                                                                                                                     |                                   | Received by: <i>[Signature]</i> |                                   | Date/Time: 7/2/24 11:05           |  |
| Relinquished by:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |                                  |                    | Date/Time:                                               |                                                                                 | Company:                                                                                                                             |                                   | Received by:                    |                                   | Date/Time:                        |  |
| Relinquished by:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |                                  |                    | Date/Time:                                               |                                                                                 | Company:                                                                                                                             |                                   | Received by:                    |                                   | Date/Time:                        |  |
| Custody Seals Intact:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  | Custody Seal No.:                |                    | Cooler Temperature(s) °C and Other Remarks: 10:3.4 C:3.5 |                                                                                 |                                                                                                                                      |                                   |                                 |                                   |                                   |  |
| <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |                                  |                    |                                                          |                                                                                 |                                                                                                                                      |                                   |                                 |                                   |                                   |  |

## Login Sample Receipt Checklist

Client: Union Milling Company

Job Number: 280-193462-1

**Login Number: 193462**

**List Number: 1**

**Creator: Rystrom, Joshua R**

**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"). | True   |                                     |
| Multiphasic samples are not present.                                                     | True   |                                     |
| Samples do not require splitting or compositing.                                         | True   |                                     |
| Residual Chlorine Checked.                                                               | N/A    |                                     |



## Login Sample Receipt Checklist

Client: Union Milling Company

Job Number: 280-193462-1

Login Number: 193462

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

## Login Sample Receipt Checklist

Client: Union Milling Company

Job Number: 280-193462-1

**Login Number: 193462**

**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    |         |

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Ver: 04/02/2024  
5-7 26/08/24