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# ANALYTICAL REPORT

## PREPARED FOR

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Generated 8/8/2025 10:59:18 AM

## JOB DESCRIPTION

Lucky Strike Mine and Mill

## JOB NUMBER

280-211198-1

Eurofins Denver
4955 Yarrow Street
Arvada CO 80002

See page two for job notes and contact information.



myEOL

## Job Notes

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

## Authorization

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# Table of Contents

# Definitions/Glossary

Client: MineWater LLC
Job ID: 280-211198-1
Project/Site: Lucky Strike Mine and Mill

## Qualifiers

### Metals

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

### General Chemistry

| Qualifier | Qualifier Description |
|---|---|
| 4 | MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable. |
| F1 | MS and/or MSD recovery exceeds control limits. |
| HF | Parameter with a holding time of 15 minutes. Test performed by laboratory at client's request. Sample was analyzed outside of hold time. |

## Glossary

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

**Job Narrative**
**280-211198-1**

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

**Receipt**
The samples were received on 7/30/2025 9:30 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.9°C.

**Method 200.8 - Metals (ICP/MS) - Dissolved**
Samples LS-UG1 (280-211198-1) and LS-Spring (280-211198-2) were analyzed for Metals (ICP/MS) - Dissolved. The samples were prepared on 7/31/2025 and analyzed on 8/3/2025, 8/4/2025 and 8/7/2025.

**Method 245.1 - Mercury (CVAA)**
Samples LS-UG1 (280-211198-1) and LS-Spring (280-211198-2) were analyzed for Mercury (CVAA). The samples were prepared and analyzed on 7/31/2025.

**Method SM 2340B - Hardness, Calculation - Dissolved**
Samples LS-UG1 (280-211198-1) and LS-Spring (280-211198-2) were analyzed for Hardness, Calculation - Dissolved. The samples were analyzed on 8/7/2025.

**Method SM 2320B - Alkalinity**
Samples LS-UG1 (280-211198-1) and LS-Spring (280-211198-2) were analyzed for Alkalinity. The samples were analyzed on 8/5/2025.

**Method SM 2510B - Conductivity, Specific Conductance**
Samples LS-UG1 (280-211198-1) and LS-Spring (280-211198-2) were analyzed for Conductivity, Specific Conductance. The samples were analyzed on 8/4/2025.

**Method SM 2540C - Solids, Total Dissolved (TDS)**
Samples LS-UG1 (280-211198-1) and LS-Spring (280-211198-2) were analyzed for Solids, Total Dissolved (TDS). The samples were analyzed on 7/31/2025.

**Method 335.4 - Cyanide, Total**
Samples LS-UG1 (280-211198-1) and LS-Spring (280-211198-2) were analyzed for Cyanide, Total. The samples were analyzed on 8/5/2025.

**Method 353.2 - Nitrogen, Nitrate-Nitrite - Dissolved**
Samples LS-UG1 (280-211198-1) and LS-Spring (280-211198-2) were analyzed for Nitrogen, Nitrate-Nitrite - Dissolved. The samples were analyzed on 8/6/2025.

**Method Nitrate by calc - Nitrogen, Nitrate-Nitrite**
Samples LS-UG1 (280-211198-1) and LS-Spring (280-211198-2) were analyzed for Nitrogen, Nitrate-Nitrite. The samples were analyzed on 7/31/2025.

**Method SM 4500 Cl- E - Chloride, Total**
Samples LS-UG1 (280-211198-1) and LS-Spring (280-211198-2) were analyzed for Chloride, Total. The samples were analyzed on 7/31/2025.

The matrix spike duplicate (MSD) recoveries for analytical batch 280-707195 were outside control limits. Non-homogeneity is

suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

**Method SM 4500 H+ B - pH**
Samples LS-UG1 (280-211198-1) and LS-Spring (280-211198-2) were analyzed for pH. The samples were analyzed on 8/4/2025.

**Method SM 4500 NO2 B - Nitrogen, Nitrite - Dissolved**
Samples LS-UG1 (280-211198-1) and LS-Spring (280-211198-2) were analyzed for Nitrogen, Nitrite - Dissolved. The samples were analyzed on 7/30/2025.

**Method SM 4500 SO4 E - Sulfate, Total**
Samples LS-UG1 (280-211198-1) and LS-Spring (280-211198-2) were analyzed for Sulfate, Total. The samples were analyzed on 8/5/2025.

Samples LS-UG1 (280-211198-1)[5x] and LS-Spring (280-211198-2)[5x] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

# Detection Summary

Client: MineWater LLC
Project/Site: Lucky Strike Mine and Mill

Job ID: 280-211198-1

## Client Sample ID: LS-UG1 — Lab Sample ID: 280-211198-1

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Arsenic | 2.2 | | 2.0 | 0.50 | ug/L | 1 | | 200.8 | Dissolved |
| Barium | 83 | | 2.0 | 0.55 | ug/L | 1 | | 200.8 | Dissolved |
| Manganese | 38 | | 3.0 | 1.5 | ug/L | 1 | | 200.8 | Dissolved |
| Zinc | 7.6 | J | 10 | 5.0 | ug/L | 1 | | 200.8 | Dissolved |
| Calcium | 89000 | | 200 | 50 | ug/L | 1 | | 200.8 | Dissolved |
| Potassium | 2800 | | 500 | 150 | ug/L | 1 | | 200.8 | Dissolved |
| Magnesium | 11000 | | 200 | 50 | ug/L | 1 | | 200.8 | Dissolved |
| Sodium | 10000 | | 1000 | 250 | ug/L | 1 | | 200.8 | Dissolved |
| Mercury | 0.085 | J | 0.20 | 0.060 | ug/L | 1 | | 245.1 | Total/NA |
| Hardness as calcium carbonate | 270 | | 1.3 | 0.33 | mg/L | 1 | | SM 2340B | Dissolved |
| Calcium hardness as calcium carbonate | 220 | | 0.50 | 0.12 | mg/L | 1 | | SM 2340B | Dissolved |
| Magnesium hardness as calcium carbonate | 46 | | 0.82 | 0.21 | mg/L | 1 | | SM 2340B | Dissolved |
| Nitrate as N | 4.9 | | 0.015 | 0.0040 | mg/L | 1 | | Nitrate by calc | Total/NA |
| Total Alkalinity as CaCO3 | 120 | | 10 | 7.0 | mg/L | 1 | | SM 2320B | Total/NA |
| Bicarbonate Alkalinity as CaCO3 | 120 | | 10 | 7.0 | mg/L | 1 | | SM 2320B | Total/NA |
| Specific Conductance | 530 | | 2.0 | 2.0 | umhos/cm | 1 | | SM 2510B | Total/NA |
| Total Dissolved Solids (TDS) | 340 | | 10 | 6.0 | mg/L | 1 | | SM 2540C | Total/NA |
| Chloride | 8.2 | F1 | 2.0 | 0.50 | mg/L | 1 | | SM 4500 Cl- E | Total/NA |
| pH adj. to 25 deg C | 7.9 | HF | 0.1 | 0.1 | SU | 1 | | SM 4500 H+ B | Total/NA |
| Temperature | 21.9 | HF | 1.0 | 1.0 | Degrees C | 1 | | SM 4500 H+ B | Total/NA |
| Sulfate | 110 | | 15 | 5.0 | mg/L | 5 | | SM 4500 SO4 E | Total/NA |
| Nitrate Nitrite as N | 4.9 | | 0.20 | 0.060 | mg/L | 1 | | 353.2 | Dissolved |

## Client Sample ID: LS-Spring — Lab Sample ID: 280-211198-2

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Arsenic | 0.61 | J | 2.0 | 0.50 | ug/L | 1 | | 200.8 | Dissolved |
| Barium | 130 | | 2.0 | 0.55 | ug/L | 1 | | 200.8 | Dissolved |
| Zinc | 7.2 | J | 10 | 5.0 | ug/L | 1 | | 200.8 | Dissolved |
| Calcium | 71000 | | 200 | 50 | ug/L | 1 | | 200.8 | Dissolved |
| Potassium | 1600 | | 500 | 150 | ug/L | 1 | | 200.8 | Dissolved |
| Magnesium | 11000 | | 200 | 50 | ug/L | 1 | | 200.8 | Dissolved |
| Sodium | 9900 | | 1000 | 250 | ug/L | 1 | | 200.8 | Dissolved |
| Hardness as calcium carbonate | 220 | | 1.3 | 0.33 | mg/L | 1 | | SM 2340B | Dissolved |
| Calcium hardness as calcium carbonate | 180 | | 0.50 | 0.12 | mg/L | 1 | | SM 2340B | Dissolved |
| Magnesium hardness as calcium carbonate | 43 | | 0.82 | 0.21 | mg/L | 1 | | SM 2340B | Dissolved |
| Nitrate as N | 1.9 | | 0.015 | 0.0040 | mg/L | 1 | | Nitrate by calc | Total/NA |
| Total Alkalinity as CaCO3 | 110 | | 10 | 7.0 | mg/L | 1 | | SM 2320B | Total/NA |
| Bicarbonate Alkalinity as CaCO3 | 110 | | 10 | 7.0 | mg/L | 1 | | SM 2320B | Total/NA |
| Specific Conductance | 440 | | 2.0 | 2.0 | umhos/cm | 1 | | SM 2510B | Total/NA |
| Total Dissolved Solids (TDS) | 290 | | 10 | 6.0 | mg/L | 1 | | SM 2540C | Total/NA |
| Chloride | 5.5 | | 2.0 | 0.50 | mg/L | 1 | | SM 4500 Cl- E | Total/NA |
| pH adj. to 25 deg C | 7.5 | HF | 0.1 | 0.1 | SU | 1 | | SM 4500 H+ B | Total/NA |
| Temperature | 21.7 | HF | 1.0 | 1.0 | Degrees C | 1 | | SM 4500 H+ B | Total/NA |
| Sulfate | 94 | | 15 | 5.0 | mg/L | 5 | | SM 4500 SO4 E | Total/NA |
| Nitrate Nitrite as N | 1.9 | | 0.20 | 0.060 | mg/L | 1 | | 353.2 | Dissolved |

This Detection Summary does not include radiochemical test results.

# Method Summary

Client: MineWater LLC
Project/Site: Lucky Strike Mine and Mill

Job ID: 280-211198-1

| Method | Method Description | Protocol | Laboratory |
|---|---|---|---|
| 200.8 | Metals (ICP/MS) | EPA | EET DEN |
| 245.1 | Mercury (CVAA) | EPA | EET DEN |
| SM 2340B | Hardness, Calculation | SM | EET DEN |
| 335.4 | Cyanide, Total | EPA | EET DEN |
| 353.2 | Nitrogen, Nitrate-Nitrite | EPA | EET DEN |
| Nitrate by calc | Nitrogen, Nitrate-Nitrite | SM | EET DEN |
| SM 2320B | Alkalinity | SM | EET DEN |
| SM 2510B | Conductivity, Specific Conductance | SM | EET DEN |
| SM 2540C | Solids, Total Dissolved (TDS) | SM | EET DEN |
| SM 4500 Cl- E | Chloride, Total | SM | EET DEN |
| SM 4500 H+ B | pH | SM | EET DEN |
| SM 4500 NO2 B | Nitrogen, Nitrite | SM | EET DEN |
| SM 4500 SO4 E | Sulfate, Total | SM | EET DEN |
| 200.8 | Preparation, Total Recoverable Metals | EPA | EET DEN |
| 245.1 | Preparation, Mercury | EPA | EET DEN |
| FILTRATION | Sample Filtration | None | EET DEN |

**Protocol References:**

EPA = US Environmental Protection Agency

None = None

SM = "Standard Methods For The Examination Of Water And Wastewater"

**Laboratory References:**

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

# Sample Summary

Client: MineWater LLC
Project/Site: Lucky Strike Mine and Mill

Job ID: 280-211198-1

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received | Sample Origin |
|---|---|---|---|---|---|
| 280-211198-1 | LS-UG1 | Water | 07/29/25 09:15 | 07/30/25 09:30 | Colorado |
| 280-211198-2 | LS-Spring | Water | 07/29/25 09:45 | 07/30/25 09:30 | Colorado |

## Method: EPA 200.8 - Metals (ICP/MS) - Dissolved

**Client Sample ID: LS-UG1**
**Date Collected: 07/29/25 09:15**
**Date Received: 07/30/25 09:30**

**Lab Sample ID: 280-211198-1**
**Matrix: Water**

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Antimony | ND | | 2.0 | 0.50 | ug/L | | 07/31/25 00:00 | 08/03/25 21:28 | 1 |
| **Arsenic** | **2.2** | | 2.0 | 0.50 | ug/L | | 07/31/25 00:00 | 08/03/25 21:28 | 1 |
| **Barium** | **83** | | 2.0 | 0.55 | ug/L | | 07/31/25 00:00 | 08/03/25 21:28 | 1 |
| Beryllium | ND | | 1.0 | 0.25 | ug/L | | 07/31/25 00:00 | 08/04/25 12:51 | 1 |
| Cadmium | ND | | 1.0 | 0.25 | ug/L | | 07/31/25 00:00 | 08/03/25 21:28 | 1 |
| Chromium | ND | | 3.0 | 1.0 | ug/L | | 07/31/25 00:00 | 08/03/25 21:28 | 1 |
| Cobalt | ND | | 1.0 | 0.25 | ug/L | | 07/31/25 00:00 | 08/03/25 21:28 | 1 |
| Copper | ND | | 2.0 | 1.0 | ug/L | | 07/31/25 00:00 | 08/03/25 21:28 | 1 |
| Lead | ND | | 1.0 | 0.50 | ug/L | | 07/31/25 00:00 | 08/03/25 21:28 | 1 |
| **Manganese** | **38** | | 3.0 | 1.5 | ug/L | | 07/31/25 00:00 | 08/03/25 21:28 | 1 |
| Nickel | ND | | 3.0 | 1.0 | ug/L | | 07/31/25 00:00 | 08/03/25 21:28 | 1 |
| Vanadium | ND | | 5.0 | 1.5 | ug/L | | 07/31/25 00:00 | 08/03/25 21:28 | 1 |
| **Zinc** | **7.6** | **J** | 10 | 5.0 | ug/L | | 07/31/25 00:00 | 08/07/25 18:01 | 1 |
| Aluminum | ND | | 100 | 25 | ug/L | | 07/31/25 00:00 | 08/03/25 21:28 | 1 |
| Iron | ND | | 200 | 50 | ug/L | | 07/31/25 00:00 | 08/03/25 21:28 | 1 |
| **Calcium** | **89000** | | 200 | 50 | ug/L | | 07/31/25 00:00 | 08/03/25 21:28 | 1 |
| **Potassium** | **2800** | | 500 | 150 | ug/L | | 07/31/25 00:00 | 08/03/25 21:28 | 1 |
| **Magnesium** | **11000** | | 200 | 50 | ug/L | | 07/31/25 00:00 | 08/04/25 12:51 | 1 |
| **Sodium** | **10000** | | 1000 | 250 | ug/L | | 07/31/25 00:00 | 08/07/25 18:01 | 1 |

**Client Sample ID: LS-Spring**
**Date Collected: 07/29/25 09:45**
**Date Received: 07/30/25 09:30**

**Lab Sample ID: 280-211198-2**
**Matrix: Water**

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Antimony | ND | | 2.0 | 0.50 | ug/L | | 07/31/25 00:00 | 08/03/25 21:31 | 1 |
| **Arsenic** | **0.61** | **J** | 2.0 | 0.50 | ug/L | | 07/31/25 00:00 | 08/03/25 21:31 | 1 |
| **Barium** | **130** | | 2.0 | 0.55 | ug/L | | 07/31/25 00:00 | 08/03/25 21:31 | 1 |
| Beryllium | ND | | 1.0 | 0.25 | ug/L | | 07/31/25 00:00 | 08/04/25 12:55 | 1 |
| Cadmium | ND | | 1.0 | 0.25 | ug/L | | 07/31/25 00:00 | 08/03/25 21:31 | 1 |
| Chromium | ND | | 3.0 | 1.0 | ug/L | | 07/31/25 00:00 | 08/03/25 21:31 | 1 |
| Cobalt | ND | | 1.0 | 0.25 | ug/L | | 07/31/25 00:00 | 08/03/25 21:31 | 1 |
| Copper | ND | | 2.0 | 1.0 | ug/L | | 07/31/25 00:00 | 08/03/25 21:31 | 1 |
| Lead | ND | | 1.0 | 0.50 | ug/L | | 07/31/25 00:00 | 08/03/25 21:31 | 1 |
| Manganese | ND | | 3.0 | 1.5 | ug/L | | 07/31/25 00:00 | 08/03/25 21:31 | 1 |
| Nickel | ND | | 3.0 | 1.0 | ug/L | | 07/31/25 00:00 | 08/03/25 21:31 | 1 |
| Vanadium | ND | | 5.0 | 1.5 | ug/L | | 07/31/25 00:00 | 08/03/25 21:31 | 1 |
| **Zinc** | **7.2** | **J** | 10 | 5.0 | ug/L | | 07/31/25 00:00 | 08/07/25 18:10 | 1 |
| Aluminum | ND | | 100 | 25 | ug/L | | 07/31/25 00:00 | 08/03/25 21:31 | 1 |
| Iron | ND | | 200 | 50 | ug/L | | 07/31/25 00:00 | 08/03/25 21:31 | 1 |
| **Calcium** | **71000** | | 200 | 50 | ug/L | | 07/31/25 00:00 | 08/03/25 21:31 | 1 |
| **Potassium** | **1600** | | 500 | 150 | ug/L | | 07/31/25 00:00 | 08/03/25 21:31 | 1 |
| **Magnesium** | **11000** | | 200 | 50 | ug/L | | 07/31/25 00:00 | 08/04/25 12:55 | 1 |
| **Sodium** | **9900** | | 1000 | 250 | ug/L | | 07/31/25 00:00 | 08/07/25 18:10 | 1 |

## Method: EPA 245.1 - Mercury (CVAA)

**Client Sample ID: LS-UG1**
**Date Collected: 07/29/25 09:15**
**Date Received: 07/30/25 09:30**
**Lab Sample ID: 280-211198-1**
**Matrix: Water**

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Mercury** | **0.085** | **J** | 0.20 | 0.060 | ug/L | | 07/31/25 10:01 | 07/31/25 15:10 | 1 |

**Client Sample ID: LS-Spring**
**Date Collected: 07/29/25 09:45**
**Date Received: 07/30/25 09:30**
**Lab Sample ID: 280-211198-2**
**Matrix: Water**

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | ND | | 0.20 | 0.060 | ug/L | | 07/31/25 10:01 | 07/31/25 15:12 | 1 |

## Method: SM 2340B - Hardness, Calculation - Dissolved

**Client Sample ID: LS-UG1**
**Date Collected: 07/29/25 09:15**
**Date Received: 07/30/25 09:30**
**Lab Sample ID: 280-211198-1**
**Matrix: Water**

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Hardness as calcium carbonate** | **270** | | 1.3 | 0.33 | mg/L | | | 08/07/25 16:00 | 1 |
| **Calcium hardness as calcium carbonate** | **220** | | 0.50 | 0.12 | mg/L | | | 08/07/25 16:00 | 1 |
| **Magnesium hardness as calcium carbonate** | **46** | | 0.82 | 0.21 | mg/L | | | 08/07/25 16:00 | 1 |

**Client Sample ID: LS-Spring**
**Date Collected: 07/29/25 09:45**
**Date Received: 07/30/25 09:30**
**Lab Sample ID: 280-211198-2**
**Matrix: Water**

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Hardness as calcium carbonate** | **220** | | 1.3 | 0.33 | mg/L | | | 08/07/25 16:00 | 1 |
| **Calcium hardness as calcium carbonate** | **180** | | 0.50 | 0.12 | mg/L | | | 08/07/25 16:00 | 1 |
| **Magnesium hardness as calcium carbonate** | **43** | | 0.82 | 0.21 | mg/L | | | 08/07/25 16:00 | 1 |

## General Chemistry

**Client Sample ID: LS-UG1**
**Date Collected: 07/29/25 09:15**
**Date Received: 07/30/25 09:30**
**Lab Sample ID: 280-211198-1**
**Matrix: Water**

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Cyanide, Total (EPA 335.4) | ND | | 0.010 | 0.0050 | mg/L | | | 08/05/25 12:24 | 1 |
| **Nitrate as N (SM Nitrate by calc)** | **4.9** | | 0.015 | 0.0040 | mg/L | | | 07/31/25 00:02 | 1 |
| **Total Alkalinity as CaCO3 (SM 2320B)** | **120** | | 10 | 7.0 | mg/L | | | 08/05/25 02:35 | 1 |
| **Bicarbonate Alkalinity as CaCO3 (SM 2320B)** | **120** | | 10 | 7.0 | mg/L | | | 08/05/25 02:35 | 1 |
| Carbonate Alkalinity as CaCO3 (SM 2320B) | ND | | 10 | 7.0 | mg/L | | | 08/05/25 02:35 | 1 |
| Hydroxide Alkalinity as CaCO3 (SM 2320B) | ND | | 10 | 7.0 | mg/L | | | 08/05/25 02:35 | 1 |
| **Specific Conductance (SM 2510B)** | **530** | | 2.0 | 2.0 | umhos/cm | | | 08/04/25 14:51 | 1 |
| **Total Dissolved Solids (TDS) (SM 2540C)** | **340** | | 10 | 6.0 | mg/L | | | 07/31/25 09:02 | 1 |
| **Chloride (SM 4500 Cl- E)** | **8.2** | **F1** | 2.0 | 0.50 | mg/L | | | 07/31/25 17:36 | 1 |
| **pH adj. to 25 deg C (SM 4500 H+ B)** | **7.9** | **HF** | 0.1 | 0.1 | SU | | | 08/04/25 16:43 | 1 |
| **Temperature (SM 4500 H+ B)** | **21.9** | **HF** | 1.0 | 1.0 | Degrees C | | | 08/04/25 16:43 | 1 |
| **Sulfate (SM 4500 SO4 E)** | **110** | | 15 | 5.0 | mg/L | | | 08/05/25 15:00 | 5 |

## General Chemistry

**Client Sample ID: LS-Spring**
**Date Collected: 07/29/25 09:45**
**Date Received: 07/30/25 09:30**

**Lab Sample ID: 280-211198-2**
**Matrix: Water**

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Cyanide, Total (EPA 335.4) | ND | | 0.010 | 0.0050 | mg/L | | | 08/05/25 12:32 | 1 |
| **Nitrate as N (SM Nitrate by calc)** | **1.9** | | 0.015 | 0.0040 | mg/L | | | 07/31/25 00:02 | 1 |
| **Total Alkalinity as CaCO3 (SM 2320B)** | **110** | | 10 | 7.0 | mg/L | | | 08/05/25 02:40 | 1 |
| **Bicarbonate Alkalinity as CaCO3 (SM 2320B)** | **110** | | 10 | 7.0 | mg/L | | | 08/05/25 02:40 | 1 |
| Carbonate Alkalinity as CaCO3 (SM 2320B) | ND | | 10 | 7.0 | mg/L | | | 08/05/25 02:40 | 1 |
| Hydroxide Alkalinity as CaCO3 (SM 2320B) | ND | | 10 | 7.0 | mg/L | | | 08/05/25 02:40 | 1 |
| **Specific Conductance (SM 2510B)** | **440** | | 2.0 | 2.0 | umhos/cm | | | 08/04/25 14:51 | 1 |
| **Total Dissolved Solids (TDS) (SM 2540C)** | **290** | | 10 | 6.0 | mg/L | | | 07/31/25 09:02 | 1 |
| **Chloride (SM 4500 Cl- E)** | **5.5** | | 2.0 | 0.50 | mg/L | | | 07/31/25 17:36 | 1 |
| **pH adj. to 25 deg C (SM 4500 H+ B** | **7.5** | **HF** | 0.1 | 0.1 | SU | | | 08/04/25 16:47 | 1 |
| **Temperature (SM 4500 H+ B)** | **21.7** | **HF** | 1.0 | 1.0 | Degrees C | | | 08/04/25 16:47 | 1 |
| **Sulfate (SM 4500 SO4 E)** | **94** | | 15 | 5.0 | mg/L | | | 08/05/25 15:02 | 5 |

## General Chemistry - Dissolved

**Client Sample ID: LS-UG1**
**Date Collected: 07/29/25 09:15**
**Date Received: 07/30/25 09:30**

**Lab Sample ID: 280-211198-1**
**Matrix: Water**

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Nitrate Nitrite as N (EPA 353.2)** | **4.9** | | 0.20 | 0.060 | mg/L | | | 08/06/25 15:08 | 1 |
| Nitrite as N (SM 4500 NO2 B) | ND | | 0.015 | 0.0040 | mg/L | | | 07/30/25 15:40 | 1 |

**Client Sample ID: LS-Spring**
**Date Collected: 07/29/25 09:45**
**Date Received: 07/30/25 09:30**

**Lab Sample ID: 280-211198-2**
**Matrix: Water**

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Nitrate Nitrite as N (EPA 353.2)** | **1.9** | | 0.20 | 0.060 | mg/L | | | 08/06/25 15:12 | 1 |
| Nitrite as N (SM 4500 NO2 B) | ND | | 0.015 | 0.0040 | mg/L | | | 07/30/25 15:40 | 1 |

## Method: 200.8 - Metals (ICP/MS)

**Lab Sample ID: MB 280-707007/1-A**
**Matrix: Water**
**Analysis Batch: 707463**

**Client Sample ID: Method Blank**
**Prep Type: Total Recoverable**
**Prep Batch: 707007**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Antimony | ND | | 2.0 | 0.50 | ug/L | | 07/31/25 00:00 | 08/03/25 20:40 | 1 |
| Arsenic | ND | | 2.0 | 0.50 | ug/L | | 07/31/25 00:00 | 08/03/25 20:40 | 1 |
| Barium | ND | | 2.0 | 0.55 | ug/L | | 07/31/25 00:00 | 08/03/25 20:40 | 1 |
| Cadmium | ND | | 1.0 | 0.25 | ug/L | | 07/31/25 00:00 | 08/03/25 20:40 | 1 |
| Chromium | ND | | 3.0 | 1.0 | ug/L | | 07/31/25 00:00 | 08/03/25 20:40 | 1 |
| Cobalt | ND | | 1.0 | 0.25 | ug/L | | 07/31/25 00:00 | 08/03/25 20:40 | 1 |
| Copper | ND | | 2.0 | 1.0 | ug/L | | 07/31/25 00:00 | 08/03/25 20:40 | 1 |
| Lead | ND | | 1.0 | 0.50 | ug/L | | 07/31/25 00:00 | 08/03/25 20:40 | 1 |
| Manganese | ND | | 3.0 | 1.5 | ug/L | | 07/31/25 00:00 | 08/03/25 20:40 | 1 |
| Nickel | ND | | 3.0 | 1.0 | ug/L | | 07/31/25 00:00 | 08/03/25 20:40 | 1 |
| Vanadium | ND | | 5.0 | 1.5 | ug/L | | 07/31/25 00:00 | 08/03/25 20:40 | 1 |
| Aluminum | ND | | 100 | 25 | ug/L | | 07/31/25 00:00 | 08/03/25 20:40 | 1 |
| Iron | ND | | 200 | 50 | ug/L | | 07/31/25 00:00 | 08/03/25 20:40 | 1 |
| Calcium | ND | | 200 | 50 | ug/L | | 07/31/25 00:00 | 08/03/25 20:40 | 1 |
| Potassium | ND | | 500 | 150 | ug/L | | 07/31/25 00:00 | 08/03/25 20:40 | 1 |

**Lab Sample ID: MB 280-707007/1-A**
**Matrix: Water**
**Analysis Batch: 707636**

**Client Sample ID: Method Blank**
**Prep Type: Total Recoverable**
**Prep Batch: 707007**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Beryllium | ND | | 1.0 | 0.25 | ug/L | | 07/31/25 00:00 | 08/04/25 12:13 | 1 |
| Magnesium | ND | | 200 | 50 | ug/L | | 07/31/25 00:00 | 08/04/25 12:13 | 1 |

**Lab Sample ID: LCS 280-706987/17-B**
**Matrix: Water**
**Analysis Batch: 707463**

**Client Sample ID: Lab Control Sample**
**Prep Type: Dissolved**
**Prep Batch: 707007**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Antimony | 40.0 | 39.7 | | ug/L | | 99 | 85 - 115 |
| Arsenic | 40.0 | 37.4 | | ug/L | | 94 | 89 - 111 |
| Barium | 40.0 | 41.5 | | ug/L | | 104 | 89 - 115 |
| Cadmium | 40.0 | 39.7 | | ug/L | | 99 | 89 - 111 |
| Chromium | 40.0 | 41.9 | | ug/L | | 105 | 86 - 115 |
| Cobalt | 40.0 | 40.4 | | ug/L | | 101 | 92 - 115 |
| Copper | 40.0 | 40.8 | | ug/L | | 102 | 90 - 115 |
| Lead | 40.0 | 43.7 | | ug/L | | 109 | 88 - 115 |
| Manganese | 40.0 | 40.6 | | ug/L | | 102 | 87 - 115 |
| Nickel | 40.0 | 40.7 | | ug/L | | 102 | 86 - 115 |
| Vanadium | 40.0 | 41.8 | | ug/L | | 105 | 90 - 115 |
| Aluminum | 800 | 882 | | ug/L | | 110 | 85 - 115 |
| Iron | 800 | 856 | | ug/L | | 107 | 85 - 115 |
| Calcium | 1200 | 1360 | | ug/L | | 113 | 85 - 115 |
| Potassium | 1200 | 1380 | | ug/L | | 115 | 85 - 115 |

## Method: 200.8 - Metals (ICP/MS) (Continued)

**Lab Sample ID: LCS 280-706987/17-B**
**Matrix: Water**
**Analysis Batch: 707636**

**Client Sample ID: Lab Control Sample**
**Prep Type: Dissolved**
**Prep Batch: 707007**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Beryllium | 40.0 | 38.1 | | ug/L | | 95 | 85 - 115 |
| Magnesium | 1200 | 1290 | | ug/L | | 107 | 85 - 115 |

## Method: 245.1 - Mercury (CVAA)

**Lab Sample ID: MB 280-707060/1-A**
**Matrix: Water**
**Analysis Batch: 707153**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 707060**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | ND | | 0.20 | 0.060 | ug/L | | 07/31/25 10:01 | 07/31/25 14:35 | 1 |

**Lab Sample ID: LCS 280-707060/2-A**
**Matrix: Water**
**Analysis Batch: 707153**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 707060**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Mercury | 5.00 | 5.18 | | ug/L | | 104 | 85 - 115 |

## Method: 335.4 - Cyanide, Total

**Lab Sample ID: MB 280-707744/18**
**Matrix: Water**
**Analysis Batch: 707744**

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

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Cyanide, Total | ND | | 0.010 | 0.0050 | mg/L | | | 08/05/25 12:16 | 1 |

**Lab Sample ID: LCS 280-707744/19**
**Matrix: Water**
**Analysis Batch: 707744**

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

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Cyanide, Total | 0.0999 | 0.104 | | mg/L | | 104 | 90 - 110 |

**Lab Sample ID: 280-211198-1 MS**
**Matrix: Water**
**Analysis Batch: 707744**

**Client Sample ID: LS-UG1**
**Prep Type: Total/NA**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|---|---|
| Cyanide, Total | ND | | 0.0999 | 0.0943 | | mg/L | | 94 | 90 - 110 |

**Lab Sample ID: 280-211198-1 MSD**
**Matrix: Water**
**Analysis Batch: 707744**

**Client Sample ID: LS-UG1**
**Prep Type: Total/NA**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Cyanide, Total | ND | | 0.0999 | 0.0997 | | mg/L | | 100 | 90 - 110 | 6 | 20 |

## Method: 353.2 - Nitrogen, Nitrate-Nitrite

**Lab Sample ID: MB 280-707936/1-A**
**Matrix: Water**
**Analysis Batch: 708023**

**Client Sample ID: Method Blank**
**Prep Type: Dissolved**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Nitrate Nitrite as N | ND | | 0.20 | 0.060 | mg/L | | | 08/06/25 15:06 | 1 |

**Lab Sample ID: LCS 280-707936/2-A**
**Matrix: Water**
**Analysis Batch: 708023**

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

| Analyte | | | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Nitrate Nitrite as N | | | 1.00 | 0.996 | | mg/L | | 100 | 90 - 110 | | |

**Lab Sample ID: 280-211198-1 MS**
**Matrix: Water**
**Analysis Batch: 708023**

**Client Sample ID: LS-UG1**
**Prep Type: Dissolved**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Nitrate Nitrite as N | 4.9 | | 2.00 | 6.70 | | mg/L | | 92 | 90 - 110 | | |

**Lab Sample ID: 280-211198-1 MSD**
**Matrix: Water**
**Analysis Batch: 708023**

**Client Sample ID: LS-UG1**
**Prep Type: Dissolved**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Nitrate Nitrite as N | 4.9 | | 2.00 | 6.73 | | mg/L | | 93 | 90 - 110 | 0 | 10 |

## Method: SM 2320B - Alkalinity

**Lab Sample ID: MB 280-707740/6**
**Matrix: Water**
**Analysis Batch: 707740**

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

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total Alkalinity as CaCO3 | ND | | 10 | 7.0 | mg/L | | | 08/05/25 00:50 | 1 |
| Bicarbonate Alkalinity as CaCO3 | ND | | 10 | 7.0 | mg/L | | | 08/05/25 00:50 | 1 |
| Carbonate Alkalinity as CaCO3 | ND | | 10 | 7.0 | mg/L | | | 08/05/25 00:50 | 1 |
| Hydroxide Alkalinity as CaCO3 | ND | | 10 | 7.0 | mg/L | | | 08/05/25 00:50 | 1 |

**Lab Sample ID: LCS 280-707740/4**
**Matrix: Water**
**Analysis Batch: 707740**

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

| Analyte | | | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Total Alkalinity as CaCO3 | | | 200 | 183 | | mg/L | | 92 | 89 - 110 | | |

**Lab Sample ID: LCSD 280-707740/5**
**Matrix: Water**
**Analysis Batch: 707740**

**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 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Total Alkalinity as CaCO3 | | | 200 | 185 | | mg/L | | 92 | 89 - 110 | 1 | 10 |

## Method: SM 2510B - Conductivity, Specific Conductance

**Lab Sample ID: MB 280-707576/4**
**Matrix: Water**
**Analysis Batch: 707576**

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

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Specific Conductance | ND | | 2.0 | 2.0 | umhos/cm | | | 08/04/25 14:51 | 1 |

**Lab Sample ID: LCS 280-707576/3**
**Matrix: Water**
**Analysis Batch: 707576**

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

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Specific Conductance | 1410 | 1410 | | umhos/cm | | 100 | 90 - 110 |

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

**Lab Sample ID: MB 280-707041/1**
**Matrix: Water**
**Analysis Batch: 707041**

**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 | 6.0 | mg/L | | | 07/31/25 09:02 | 1 |

**Lab Sample ID: LCS 280-707041/2**
**Matrix: Water**
**Analysis Batch: 707041**

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

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Total Dissolved Solids (TDS) | 501 | 491 | | mg/L | | 98 | 88 - 114 |

## Method: SM 4500 Cl- E - Chloride, Total

**Lab Sample ID: MB 280-707195/15**
**Matrix: Water**
**Analysis Batch: 707195**

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

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | ND | | 2.0 | 0.50 | mg/L | | | 07/31/25 17:36 | 1 |

**Lab Sample ID: LCS 280-707195/13**
**Matrix: Water**
**Analysis Batch: 707195**

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

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Chloride | 20.0 | 19.8 | | mg/L | | 99 | 90 - 110 |

**Lab Sample ID: LCSD 280-707195/14**
**Matrix: Water**
**Analysis Batch: 707195**

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

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | 20.0 | 19.1 | | mg/L | | 95 | 90 - 110 | 4 | 10 |

## Method: SM 4500 Cl- E - Chloride, Total (Continued)

**Lab Sample ID: 280-211198-1 MS**
**Matrix: Water**
**Analysis Batch: 707195**

**Client Sample ID: LS-UG1**
**Prep Type: Total/NA**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | 8.2 | F1 | 20.0 | 26.3 | | mg/L | | 91 | 90 - 110 |

**Lab Sample ID: 280-211198-1 MSD**
**Matrix: Water**
**Analysis Batch: 707195**

**Client Sample ID: LS-UG1**
**Prep Type: Total/NA**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 8.2 | F1 | 20.0 | 26.0 | F1 | mg/L | | 89 | 90 - 110 | 1 | 10 |

## Method: SM 4500 H+ B - pH

**Lab Sample ID: LCS 280-707614/10**
**Matrix: Water**
**Analysis Batch: 707614**

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

| Analyte | | | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|---|---|
| pH adj. to 25 deg C | | | 7.00 | 7.0 | | SU | | 100 | 99 - 101 |

## Method: SM 4500 NO2 B - Nitrogen, Nitrite

**Lab Sample ID: MB 280-706961/3-A**
**Matrix: Water**
**Analysis Batch: 706989**

**Client Sample ID: Method Blank**
**Prep Type: Dissolved**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Nitrite as N | ND | | 0.015 | 0.0040 | mg/L | | | 07/30/25 15:40 | 1 |

**Lab Sample ID: LCS 280-706961/1-A**
**Matrix: Water**
**Analysis Batch: 706989**

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

| Analyte | | | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|---|---|
| Nitrite as N | | | 0.0500 | 0.0513 | | mg/L | | 103 | 84 - 113 |

**Lab Sample ID: LCSD 280-706961/2-A**
**Matrix: Water**
**Analysis Batch: 706989**

**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 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Nitrite as N | | | 0.0500 | 0.0510 | | mg/L | | 102 | 84 - 113 | 1 | 10 |

**Lab Sample ID: 280-211198-1 MS**
**Matrix: Water**
**Analysis Batch: 706989**

**Client Sample ID: LS-UG1**
**Prep Type: Dissolved**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|---|---|
| Nitrite as N | ND | | 0.0500 | 0.0529 | | mg/L | | 106 | 57 - 115 |

## Method: SM 4500 NO2 B - Nitrogen, Nitrite (Continued)

**Lab Sample ID: 280-211198-1 MSD**
**Matrix: Water**
**Analysis Batch: 706989**

**Client Sample ID: LS-UG1**
**Prep Type: Dissolved**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Nitrite as N | ND | | 0.0500 | 0.0533 | | mg/L | | 107 | 57 - 115 | 1 | 13 |

## Method: SM 4500 SO4 E - Sulfate, Total

**Lab Sample ID: MB 280-707785/14**
**Matrix: Water**
**Analysis Batch: 707785**

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

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Sulfate | ND | | 3.0 | 1.0 | mg/L | | | 08/05/25 14:53 | 1 |

**Lab Sample ID: 280-211198-1 MS**
**Matrix: Water**
**Analysis Batch: 707785**

**Client Sample ID: LS-UG1**
**Prep Type: Total/NA**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|---|---|
| Sulfate | 110 | | 20.0 | 138 | 4 | mg/L | | 118 | 90 - 110 |

**Lab Sample ID: 280-211198-1 MSD**
**Matrix: Water**
**Analysis Batch: 707785**

**Client Sample ID: LS-UG1**
**Prep Type: Total/NA**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Sulfate | 110 | | 20.0 | 136 | 4 | mg/L | | 109 | 90 - 110 | 1 | 10 |

## Metals

### Filtration Batch: 706987

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 280-211198-1 | LS-UG1 | Dissolved | Water | FILTRATION | |
| 280-211198-2 | LS-Spring | Dissolved | Water | FILTRATION | |
| LCS 280-706987/17-B | Lab Control Sample | Dissolved | Water | FILTRATION | |

### Prep Batch: 707007

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 280-211198-1 | LS-UG1 | Dissolved | Water | 200.8 | 706987 |
| 280-211198-2 | LS-Spring | Dissolved | Water | 200.8 | 706987 |
| MB 280-707007/1-A | Method Blank | Total Recoverable | Water | 200.8 | |
| LCS 280-706987/17-B | Lab Control Sample | Dissolved | Water | 200.8 | 706987 |

### Prep Batch: 707060

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 280-211198-1 | LS-UG1 | Total/NA | Water | 245.1 | |
| 280-211198-2 | LS-Spring | Total/NA | Water | 245.1 | |
| MB 280-707060/1-A | Method Blank | Total/NA | Water | 245.1 | |
| LCS 280-707060/2-A | Lab Control Sample | Total/NA | Water | 245.1 | |

### Analysis Batch: 707153

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 280-211198-1 | LS-UG1 | Total/NA | Water | 245.1 | 707060 |
| 280-211198-2 | LS-Spring | Total/NA | Water | 245.1 | 707060 |
| MB 280-707060/1-A | Method Blank | Total/NA | Water | 245.1 | 707060 |
| LCS 280-707060/2-A | Lab Control Sample | Total/NA | Water | 245.1 | 707060 |

### Analysis Batch: 707463

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 280-211198-1 | LS-UG1 | Dissolved | Water | 200.8 | 707007 |
| 280-211198-2 | LS-Spring | Dissolved | Water | 200.8 | 707007 |
| MB 280-707007/1-A | Method Blank | Total Recoverable | Water | 200.8 | 707007 |
| LCS 280-706987/17-B | Lab Control Sample | Dissolved | Water | 200.8 | 707007 |

### Analysis Batch: 707636

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 280-211198-1 | LS-UG1 | Dissolved | Water | 200.8 | 707007 |
| 280-211198-2 | LS-Spring | Dissolved | Water | 200.8 | 707007 |
| MB 280-707007/1-A | Method Blank | Total Recoverable | Water | 200.8 | 707007 |
| LCS 280-706987/17-B | Lab Control Sample | Dissolved | Water | 200.8 | 707007 |

### Analysis Batch: 708210

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 280-211198-1 | LS-UG1 | Dissolved | Water | SM 2340B | 706987 |
| 280-211198-2 | LS-Spring | Dissolved | Water | SM 2340B | 706987 |

### Analysis Batch: 708236

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 280-211198-1 | LS-UG1 | Dissolved | Water | 200.8 | 707007 |
| 280-211198-2 | LS-Spring | Dissolved | Water | 200.8 | 707007 |

## General Chemistry

### Filtration Batch: 706961

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 280-211198-1 | LS-UG1 | Dissolved | Water | FILTRATION | |
| 280-211198-2 | LS-Spring | Dissolved | Water | FILTRATION | |
| MB 280-706961/3-A | Method Blank | Dissolved | Water | FILTRATION | |
| LCS 280-706961/1-A | Lab Control Sample | Dissolved | Water | FILTRATION | |
| LCSD 280-706961/2-A | Lab Control Sample Dup | Dissolved | Water | FILTRATION | |
| 280-211198-1 MS | LS-UG1 | Dissolved | Water | FILTRATION | |
| 280-211198-1 MSD | LS-UG1 | Dissolved | Water | FILTRATION | |

### Analysis Batch: 706989

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 280-211198-1 | LS-UG1 | Dissolved | Water | SM 4500 NO2 B | 706961 |
| 280-211198-2 | LS-Spring | Dissolved | Water | SM 4500 NO2 B | 706961 |
| MB 280-706961/3-A | Method Blank | Dissolved | Water | SM 4500 NO2 B | 706961 |
| LCS 280-706961/1-A | Lab Control Sample | Dissolved | Water | SM 4500 NO2 B | 706961 |
| LCSD 280-706961/2-A | Lab Control Sample Dup | Dissolved | Water | SM 4500 NO2 B | 706961 |
| 280-211198-1 MS | LS-UG1 | Dissolved | Water | SM 4500 NO2 B | 706961 |
| 280-211198-1 MSD | LS-UG1 | Dissolved | Water | SM 4500 NO2 B | 706961 |

### Analysis Batch: 707008

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 280-211198-1 | LS-UG1 | Total/NA | Water | Nitrate by calc | |
| 280-211198-2 | LS-Spring | Total/NA | Water | Nitrate by calc | |

### Analysis Batch: 707041

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 280-211198-1 | LS-UG1 | Total/NA | Water | SM 2540C | |
| 280-211198-2 | LS-Spring | Total/NA | Water | SM 2540C | |
| MB 280-707041/1 | Method Blank | Total/NA | Water | SM 2540C | |
| LCS 280-707041/2 | Lab Control Sample | Total/NA | Water | SM 2540C | |

### Analysis Batch: 707195

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 280-211198-1 | LS-UG1 | Total/NA | Water | SM 4500 Cl- E | |
| 280-211198-2 | LS-Spring | Total/NA | Water | SM 4500 Cl- E | |
| MB 280-707195/15 | Method Blank | Total/NA | Water | SM 4500 Cl- E | |
| LCS 280-707195/13 | Lab Control Sample | Total/NA | Water | SM 4500 Cl- E | |
| LCSD 280-707195/14 | Lab Control Sample Dup | Total/NA | Water | SM 4500 Cl- E | |
| 280-211198-1 MS | LS-UG1 | Total/NA | Water | SM 4500 Cl- E | |
| 280-211198-1 MSD | LS-UG1 | Total/NA | Water | SM 4500 Cl- E | |

### Analysis Batch: 707576

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 280-211198-1 | LS-UG1 | Total/NA | Water | SM 2510B | |
| 280-211198-2 | LS-Spring | Total/NA | Water | SM 2510B | |
| MB 280-707576/4 | Method Blank | Total/NA | Water | SM 2510B | |
| LCS 280-707576/3 | Lab Control Sample | Total/NA | Water | SM 2510B | |

### Analysis Batch: 707614

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 280-211198-1 | LS-UG1 | Total/NA | Water | SM 4500 H+ B | |
| 280-211198-2 | LS-Spring | Total/NA | Water | SM 4500 H+ B | |

## General Chemistry (Continued)

### Analysis Batch: 707614 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| LCS 280-707614/10 | Lab Control Sample | Total/NA | Water | SM 4500 H+ B | |

### Analysis Batch: 707740

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 280-211198-1 | LS-UG1 | Total/NA | Water | SM 2320B | |
| 280-211198-2 | LS-Spring | Total/NA | Water | SM 2320B | |
| MB 280-707740/6 | Method Blank | Total/NA | Water | SM 2320B | |
| LCS 280-707740/4 | Lab Control Sample | Total/NA | Water | SM 2320B | |
| LCSD 280-707740/5 | Lab Control Sample Dup | Total/NA | Water | SM 2320B | |

### Analysis Batch: 707744

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 280-211198-1 | LS-UG1 | Total/NA | Water | 335.4 | |
| 280-211198-2 | LS-Spring | Total/NA | Water | 335.4 | |
| MB 280-707744/18 | Method Blank | Total/NA | Water | 335.4 | |
| LCS 280-707744/19 | Lab Control Sample | Total/NA | Water | 335.4 | |
| 280-211198-1 MS | LS-UG1 | Total/NA | Water | 335.4 | |
| 280-211198-1 MSD | LS-UG1 | Total/NA | Water | 335.4 | |

### Analysis Batch: 707785

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 280-211198-1 | LS-UG1 | Total/NA | Water | SM 4500 SO4 E | |
| 280-211198-2 | LS-Spring | Total/NA | Water | SM 4500 SO4 E | |
| MB 280-707785/14 | Method Blank | Total/NA | Water | SM 4500 SO4 E | |
| 280-211198-1 MS | LS-UG1 | Total/NA | Water | SM 4500 SO4 E | |
| 280-211198-1 MSD | LS-UG1 | Total/NA | Water | SM 4500 SO4 E | |

### Filtration Batch: 707936

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 280-211198-1 | LS-UG1 | Dissolved | Water | FILTRATION | |
| 280-211198-2 | LS-Spring | Dissolved | Water | FILTRATION | |
| MB 280-707936/1-A | Method Blank | Dissolved | Water | FILTRATION | |
| LCS 280-707936/2-A | Lab Control Sample | Dissolved | Water | FILTRATION | |
| 280-211198-1 MS | LS-UG1 | Dissolved | Water | FILTRATION | |
| 280-211198-1 MSD | LS-UG1 | Dissolved | Water | FILTRATION | |

### Analysis Batch: 708023

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 280-211198-1 | LS-UG1 | Dissolved | Water | 353.2 | 707936 |
| 280-211198-2 | LS-Spring | Dissolved | Water | 353.2 | 707936 |
| MB 280-707936/1-A | Method Blank | Dissolved | Water | 353.2 | 707936 |
| LCS 280-707936/2-A | Lab Control Sample | Dissolved | Water | 353.2 | 707936 |
| 280-211198-1 MS | LS-UG1 | Dissolved | Water | 353.2 | 707936 |
| 280-211198-1 MSD | LS-UG1 | Dissolved | Water | 353.2 | 707936 |

# Lab Chronicle

Client: MineWater LLC
Project/Site: Lucky Strike Mine and Mill

Job ID: 280-211198-1

## Client Sample ID: LS-UG1

**Date Collected: 07/29/25 09:15**
**Date Received: 07/30/25 09:30**

## Lab Sample ID: 280-211198-1

**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 | 706987 | 07/30/25 17:12 | SMK | EET DEN |
| Dissolved | Prep | 200.8 | | | 50 mL | 50 mL | 707007 | 07/31/25 00:00 | SMK | EET DEN |
| Dissolved | Analysis | 200.8 | | 1 | | | 707463 | 08/03/25 21:28 | LMT | EET DEN |
| Dissolved | Filtration | FILTRATION | | | 50 mL | 50 mL | 706987 | 07/30/25 17:12 | SMK | EET DEN |
| Dissolved | Prep | 200.8 | | | 50 mL | 50 mL | 707007 | 07/31/25 00:00 | SMK | EET DEN |
| Dissolved | Analysis | 200.8 | | 1 | | | 707636 | 08/04/25 12:51 | LMT | EET DEN |
| Dissolved | Filtration | FILTRATION | | | 50 mL | 50 mL | 706987 | 07/30/25 17:12 | SMK | EET DEN |
| Dissolved | Prep | 200.8 | | | 50 mL | 50 mL | 707007 | 07/31/25 00:00 | SMK | EET DEN |
| Dissolved | Analysis | 200.8 | | 1 | | | 708236 | 08/07/25 18:01 | LMT | EET DEN |
| Total/NA | Prep | 245.1 | | | 30 mL | 50 mL | 707060 | 07/31/25 10:01 | AES | EET DEN |
| Total/NA | Analysis | 245.1 | | 1 | | | 707153 | 07/31/25 15:10 | AES | EET DEN |
| Dissolved | Filtration | FILTRATION | | | 50 mL | 50 mL | 706987 | 07/30/25 17:12 | SMK | EET DEN |
| Dissolved | Analysis | SM 2340B | | 1 | | | 708210 | 08/07/25 16:00 | CAF | EET DEN |
| Total/NA | Analysis | 335.4 | | 1 | 10 mL | 10 mL | 707744 | 08/05/25 12:24 | LBR | EET DEN |
| Dissolved | Filtration | FILTRATION | | | 100 mL | 100 mL | 707936 | 08/06/25 12:25 | BCR | EET DEN |
| Dissolved | Analysis | 353.2 | | 1 | 100 mL | 100 mL | 708023 | 08/06/25 15:08 | BCR | EET DEN |
| Total/NA | Analysis | Nitrate by calc | | 1 | | | 707008 | 07/31/25 00:02 | PS1 | EET DEN |
| Total/NA | Analysis | SM 2320B | | 1 | | | 707740 | 08/05/25 02:35 | EL | EET DEN |
| Total/NA | Analysis | SM 2510B | | 1 | | | 707576 | 08/04/25 14:51 | EL | EET DEN |
| Total/NA | Analysis | SM 2540C | | 1 | 100 mL | 100 mL | 707041 | 07/31/25 09:02 | BRD | EET DEN |
| Total/NA | Analysis | SM 4500 Cl- E | | 1 | 2 mL | 2 mL | 707195 | 07/31/25 17:36 | AKF | EET DEN |
| Total/NA | Analysis | SM 4500 H+ B | | 1 | | | 707614 | 08/04/25 16:43 | EL | EET DEN |
| Dissolved | Filtration | FILTRATION | | | 2 mL | 2 mL | 706961 | 07/30/25 15:15 | BCR | EET DEN |
| Dissolved | Analysis | SM 4500 NO2 B | | 1 | 2 mL | 2 mL | 706989 | 07/30/25 15:40 | BCR | EET DEN |
| Total/NA | Analysis | SM 4500 SO4 E | | 5 | 2 mL | 2 mL | 707785 | 08/05/25 15:00 | LBR | EET DEN |

## Client Sample ID: LS-Spring

**Date Collected: 07/29/25 09:45**
**Date Received: 07/30/25 09:30**

## Lab Sample ID: 280-211198-2

**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 | 706987 | 07/30/25 17:12 | SMK | EET DEN |
| Dissolved | Prep | 200.8 | | | 50 mL | 50 mL | 707007 | 07/31/25 00:00 | SMK | EET DEN |
| Dissolved | Analysis | 200.8 | | 1 | | | 707463 | 08/03/25 21:31 | LMT | EET DEN |
| Dissolved | Filtration | FILTRATION | | | 50 mL | 50 mL | 706987 | 07/30/25 17:12 | SMK | EET DEN |
| Dissolved | Prep | 200.8 | | | 50 mL | 50 mL | 707007 | 07/31/25 00:00 | SMK | EET DEN |
| Dissolved | Analysis | 200.8 | | 1 | | | 707636 | 08/04/25 12:55 | LMT | EET DEN |
| Dissolved | Filtration | FILTRATION | | | 50 mL | 50 mL | 706987 | 07/30/25 17:12 | SMK | EET DEN |
| Dissolved | Prep | 200.8 | | | 50 mL | 50 mL | 707007 | 07/31/25 00:00 | SMK | EET DEN |
| Dissolved | Analysis | 200.8 | | 1 | | | 708236 | 08/07/25 18:10 | LMT | EET DEN |
| Total/NA | Prep | 245.1 | | | 30 mL | 50 mL | 707060 | 07/31/25 10:01 | AES | EET DEN |
| Total/NA | Analysis | 245.1 | | 1 | | | 707153 | 07/31/25 15:12 | AES | EET DEN |
| Dissolved | Filtration | FILTRATION | | | 50 mL | 50 mL | 706987 | 07/30/25 17:12 | SMK | EET DEN |
| Dissolved | Analysis | SM 2340B | | 1 | | | 708210 | 08/07/25 16:00 | CAF | EET DEN |

# Lab Chronicle

Client: MineWater LLC
Job ID: 280-211198-1
Project/Site: Lucky Strike Mine and Mill

## Client Sample ID: LS-Spring
**Date Collected: 07/29/25 09:45**
**Date Received: 07/30/25 09:30**

## Lab Sample ID: 280-211198-2
**Matrix: Water**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 335.4 | | 1 | 10 mL | 10 mL | 707744 | 08/05/25 12:32 | LBR | EET DEN |
| Dissolved | Filtration | FILTRATION | | | 100 mL | 100 mL | 707936 | 08/06/25 12:25 | BCR | EET DEN |
| Dissolved | Analysis | 353.2 | | 1 | 100 mL | 100 mL | 708023 | 08/06/25 15:12 | BCR | EET DEN |
| Total/NA | Analysis | Nitrate by calc | | 1 | | | 707008 | 07/31/25 00:02 | PS1 | EET DEN |
| Total/NA | Analysis | SM 2320B | | 1 | | | 707740 | 08/05/25 02:40 | EL | EET DEN |
| Total/NA | Analysis | SM 2510B | | 1 | | | 707576 | 08/04/25 14:51 | EL | EET DEN |
| Total/NA | Analysis | SM 2540C | | 1 | 100 mL | 100 mL | 707041 | 07/31/25 09:02 | BRD | EET DEN |
| Total/NA | Analysis | SM 4500 Cl- E | | 1 | 2 mL | 2 mL | 707195 | 07/31/25 17:36 | AKF | EET DEN |
| Total/NA | Analysis | SM 4500 H+ B | | 1 | | | 707614 | 08/04/25 16:47 | EL | EET DEN |
| Dissolved | Filtration | FILTRATION | | | 2 mL | 2 mL | 706961 | 07/30/25 15:15 | BCR | EET DEN |
| Dissolved | Analysis | SM 4500 NO2 B | | 1 | 2 mL | 2 mL | 706989 | 07/30/25 15:40 | BCR | EET DEN |
| Total/NA | Analysis | SM 4500 SO4 E | | 5 | 2 mL | 2 mL | 707785 | 08/05/25 15:02 | LBR | EET DEN |

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

# Accreditation/Certification Summary

Client: MineWater LLC
Job ID: 280-211198-1
Project/Site: Lucky Strike Mine and Mill

## Laboratory: Eurofins Denver

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

| Authority | Program | Identification Number | Expiration Date |
|---|---|---|---|
| Oregon | NELAP | 4025 | 01-08-26 |

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

| Analysis Method | Prep Method | Matrix | Analyte |
|---|---|---|---|
| Nitrate by calc | | Water | Nitrate as N |
| SM 2340B | | Water | Calcium hardness as calcium carbonate |
| SM 2340B | | Water | Hardness as calcium carbonate |
| SM 2340B | | Water | Magnesium hardness as calcium carbonate |
| SM 4500 H+ B | | Water | Temperature |

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

# Chain of Custody Record

eurofins | Environment Testing

| Client Information | Sampler: Jake Wilkinson | Lab PM: Ryan, Nicole C | Carrier Tracking No(s): | COC No: 280-152642-41656.1 |
|---|---|---|---|---|
| Client Contact: Jake Wilkinson | Phone: 970-417-3311 | E-Mail: Nicole.Ryan@ET.eurofinsus.com | State of Origin: | Page: Page 1 of 1 |
| Company: MineWater LLC | PWSID: | Analysis Requested | | Job #: |
| Address: 8200 S Quebec St Suite A3-187 | Due Date Requested: | | | Preservation Codes: B - NaOH, N - None, D - HNO3 |
| City: Centennial | TAT Requested (days): | | | |
| State, Zip: CO, 80112 | Compliance Project: Δ Yes Δ No | | | |
| Phone: 970 417-3311 | PO #: Purchase Order Requested | | | |
| Email: jwilkinson@crgmining.com | WO #: | | | Other: |
| Project Name: Lucky Strike Mine and Mill | Project #: 28029254 | | | |
| Site: | SSOW#: | | | |

| Sample Identification | Sample Date | Sample Time | Sample Type (C=comp, G=grab) | Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air, DW=Drinking Water) | Field Filtered Sample (Yes or No) | Perform MS/MSD (Yes or No) | 335.4_NP - Total Cyanide | 200.8 - Dissolved Metals (Lab Filtered) | 245.1 -Total Hg | HARD - Dissolved Hardness | 2320B, 2510B, SM4500_H+: Alkalinity, pH, Conductivity | Nitrate_Calc, SM4500_Cl_E, SM4500_NO2_B, SM4500_SO4_E | 2540C_Calcd - TDS | Total Number of containers | Special Instructions/Note: |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Preservation Code: | | | | B | N | D | N | N | N | N | | |
| ~~DUP-01~~ LS-UG1 | 7 29-25 | 09 15 | G | W | N | N | | | | | | | | | |
| LS-SPRING | 7 29-25 | 09:45 | G | W | N | N | | | | | | | | | |

280-211198 Chain of Custody

| Possible Hazard Identification | Sample Disposal ( A fee may be assessed if samples are retained longer than 1 month) |
|---|---|
| ☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological | ☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months |
| Deliverable Requested: I, II, III, IV, Other (specify) | Special Instructions/QC Requirements: |

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

| Relinquished by: | Date/Time: | Company | Received by: | Date/Time: | Company |
|---|---|---|---|---|---|
| [signature] | 7-29-25 10 CCAM | MW | [signature] | 7/30/25 9:30 | EETDEN |
| Relinquished by: | Date/Time: | Company | Received by: | Date/Time: | Company |
| Relinquished by: | Date/Time: | Company | Received by: | Date/Time: | Company |

| Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: 2775423 | Cooler Temperature(s) °C and Other Remarks: T:3.7 CF:0.2 FL.DABU |
|---|---|---|

# Login Sample Receipt Checklist

Client: MineWater LLC

Job Number: 280-211198-1

**Login Number: 211198**
**List Number: 1**
**Creator: Roehsner, Karen P**

**List Source: Eurofins Denver**

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